# at&t digital*life*™

## **Installation and Operations Manual**

## Version 2.1



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## SAFETY REGULATIONS

#### **Notice to Installers**

The servicing instructions in this notice are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions, unless you are qualified to do so.



#### Notice à l'attention des installateurs de réseaux câblés

Les instructions relatives aux interventions d'entretien, fournies dans la présente notice, s'adressent exclusivement au personnel technique qualifié. Pour réduire les risques de chocs électriques, n'effectuer aucune intervention autre que celles décrites dans le mode d'emploi et les instructions relatives au fonctionnement, à moins que vous ne soyez qualifié pour ce faire.







#### Mitteilung für CATV-Techniker

Die in dieser Mitteilung aufgeführten Wartungsanweisungen sind ausschließlich für qualifiziertes Fachpersonal bestimmt. Um die Gefahr eines elektrischen Schlags zu reduzieren, sollten Sie keine Wartungsarbeiten durchführen, die nicht ausdrücklich in der Bedienungsanleitung aufgeführt sind, außer Sie sind zur Durchführung solcher Arbeiten qualifiziert.



#### Aviso a los instaladores de sistemas CATV

Las instrucciones de reparación contenidas en el presente aviso son para uso exclusivo por parte de personal de mantenimiento cualificado. Con el fin de reducir el riesgo de descarga eléctrica, no realice ninguna otra operación de reparación distinta a las contenidas en las instrucciones de funcionamiento, a menos que posea la cualificación necesaria para hacerlo.





## **IMPORTANT SAFETY INSTRUCTIONS**

- 1. Read these instructions.
- 2. Keep these instructions.
- 3. Heed all warnings.
- 4. Follow all instructions.
- 5. Do not use this apparatus near water.
- 6. Clean only with dry cloth.
- 7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11. Only use attachments/accessories specified by the manufacturer.



Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

- 13. Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as a power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

#### **Power Source Warning**

A label on this product indicates the correct power source for this product. Operate this product only from an electrical outlet with the voltage and frequency indicated on the



product label. If you are uncertain of the type of power supply to your home or business, consult your service provider or your local power company.

The AC inlet on the unit must remain accessible and operable at all times.

#### Ground the Product

4

14

## WARNING: Avoid electric shock and fire hazard! If this product connects to coaxial cable wiring, be sure the cable system is grounded (earthed). Grounding provides some protection against voltage surges and built-up static charges.

#### Protect the Product from Lightning

In addition to disconnecting the AC power from the wall outlet, disconnect the signal inputs.

#### Verify the Power Source from the On/Off Power Light

When the on/off power light is not illuminated, the apparatus may still be connected to the power source. The light may go out when the apparatus is turned off, regardless of whether it is still plugged into an AC power source.

#### Eliminate AC Mains Overloads

#### WARNING: Avoid electric shock and fire hazard! Do not overload AC mains, outlets, extension cords, or integral convenience receptacles. For products that require battery power or other power sources to operate them, refer to the operating instructions for those products.

#### **Provide Ventilation and Select a Location**

- Remove all packaging material before applying power to the product.
- Do not place this apparatus on a bed, sofa, rug, or similar surface.
- Do not place this apparatus on an unstable surface.
- Do not install this apparatus in an enclosure, such as a bookcase or rack, unless the installation provides proper ventilation.
- Do not place items such as lamps, books, vases with liquids, or other objects on top of this product.
- Do not block ventilation openings.



Protect from Exposure to Moisture and Foreign Objects

WARNING: Avoid electric shock and fire hazard! Do not expose this product to dripping or splashing liquids, rain, or moisture. Objects filled with liquids, such as vases, should not be placed on this apparatus.



WARNING: Avoid electric shock and fire hazard! Unplug this product before cleaning. Do not use a liquid cleaner or an aerosol cleaner. Do not use a magnetic/static cleaning device (dust remover) to clean this product.



WARNING: Avoid electric shock and fire hazard! Never push objects through the openings in this product. Foreign objects can cause electrical shorts that can result in electric shock or fire.

#### **Service Warnings**

WARNING: Avoid electric shock! Do not open the cover of this product. Opening or removing the cover may expose you to dangerous voltages. If you open the cover, your warranty will be void. This product contains no user-serviceable parts.

#### **Check Product Safety**

Upon completion of any service or repairs to this product, the service technician must perform safety checks to determine that this product is in proper operating condition.

#### **Protect the Product When Moving It**

Always disconnect the power source when moving the apparatus or connecting or disconnecting cables.

20090915\_Modem No Battery\_Safety



## 1 Introduction

The AT&T Digital Life System (DLS) is a service delivery platform that AT&T will be commercially deploying. The DLS includes a Network Platform and a Premises Platform wherein the primary communication path between the platforms is provided via AT&T Cellular Data Service. The DLS includes AT&T Digital Life Data Centers and AT&T Digital Life Central Monitoring Centers. AT&T will be utilizing the DLS in delivering services to consumer and business customers.

The purpose of this document is to provide an overview of the DLS and instructions concerning the installation and operations of the DLS.



## 2 Digital Life System Overview

### 2.1 System Architecture

The AT&T Digital Life System (DLS) provides an Internet Protocol (IP) based end-to-end services delivery platform that AT&T will utilize in providing services to customers. The DLS includes a Network Platform and a Premises Platform. AT&T Cellular Data Service provides the primary communication between the Network Platform and the Premises Platform. Optionally, a secondary communication path between the Network Platform and the Premises can be established via a Bring-Your-Own-Broadband service, which could be based on an ADSL, VDSL, FiOS, cable modem or some other wireline broadband service.

The initial commercial deployment of DLS will be utilized to offer consumer customers Professionally Monitored Home Security and Home Automation & Control services. Figure 1 is a representation of the AT&T DLS Architecture. Within the system architecture the Network Platform includes AT&T Digital Life Data Centers.



#### Figure 1: AT&T Digital Life System Architecture



The architecture also features AT&T Central Monitoring Centers, which will be UL certified. There are AT&T high speed wireline data facilities that interconnect all of the data centers and the monitoring centers. DMP IP Alarm Receivers are located in the AT&T Digital Life Data Centers. When an alarm is received by a DMP Alarm Receiver, it is automatically sent to the AT&T Digital Life Central Monitoring Centers.

### 2.2 Digital Life Controller Cabinet

In the customer's home the AT&T Digital Life Controller (DLC) Cabinet houses the Digital Life Controller Board, which is the central device in the Premises Platform. The DLC Cabinet will be wall mounted in a closet, utility room or basement similar to a traditional home security cabinet and adjacent to an AC power outlet. The cabinet is made out of plastic and features a main cabinet door and a secondary battery backup door (See Figure 2.) The cabinet is equipped with three tamper switches, which when activated will automatically send alarms to an AT&T Digital Life Central Monitoring Center:

- A tamper switch is located on the backside of cabinet and is triggered if cabinet is removed from the wall.
- A tamper switch associated with main cabinet door is triggered when the main cabinet door is opened.
- A tamper switch associated with the battery compartment door is triggered when the battery compartment is opened.





Figure 2: AT&T Digital Life Controller Cabinet

- 1. Antenna provides AT&T Cellular Data Service communications.
- 2. Antenna provides one-way communications using a 433MHz receiver.
- 3. Antenna provides two-way communications using a 915MHz transceiver.
- 4. Antenna provides one-way communications using a 433MHz receiver.
- 5. Five System LEDs provide the following at-a-glance status:
  - AC POWER—flashes green when powering up and solid green when DLC is operational (when DLC starts communicating over AT&T Cellular Data Service and/or customer provided wireline broadband service)
  - BATTERY—green when the battery is fully charged; red when the battery needs to be replaced; and, off when the battery is discharged or there is no battery connected to the DLC.
  - SYSTEM—green when system is good, red when there is a system problem and yellow when the system is in Maintenance Mode. The DLC is in Maintenance Mode when software is being downloaded and installed.





- WIRELESS BROADBAND—green when signal strength is good, red when no or low cellular data signal strength.
- WIRELINE BROADBAND—green when a connection has been made, and off when no connection.
- 6. Battery compartment for the rechargeable battery.

**NOTE:** Under local power failure, the battery system and wireless broadband LEDs will flash simultaneously.

The cabinet houses the Digital Life Controller Board which is accessed by opening the main cabinet door. Figure 3 contains a labeled photograph of the inside of the cabinet.

433 MHz 915 MHz 433 MHz Cellular Data Antenna Antenna Antenna Antenna Wi-Fi Antenna 616 4 LAN Ports Z-wave Antenna WAN Port Wi-Fi Antenna -> 24-Hour Battery Backup Cellular Data Antenna T15409 **Digital Life** 5 System LEDs Controller Board

Figure 3: Inside View of AT&T Digital Life Controller Cabinet

The Digital Life Controller Board is equipped with the following:

- Microprocessor
- RAM
- Ethernet Switch with a single WAN port and four LAN ports



- AT&T Cellular Data Modem with Integrated Antenna
- Dual Frequency Wireless Transceiver Module (Proprietary one-way 433MHz and two-way 915MHz)
- 24 Hour Battery Backup
- Wi-Fi Module

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• Z-Wave Module (908MHz)

#### 2.3 Digital Life Premises Devices

#### 2.3.1 Wireless Premises Devices

Figure 4 depicts the Digital Life Premises Devices



#### Figure 4: Digital Life Wireless Premises Devices

Within the Premises Platform a proprietary one-way 433MHz radio technology is utilized with wireless intrusion and smoke/CO detection devices and a key fob. (See Figure 4.) A proprietary two-way 915MHz radio technology is utilized with wireless keypads and sirens, (See Figure 5.). When they are needed to extend the transmission range of the 433MHz and/or 915MHz devices, a 433MHz and a 915MHz signal repeater are available. The standard installation includes 433MHz and 915MHz devices (See Section 6 for detailed information concerning the devices).

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Figure 5: Dual Frequency Wireless Transceiver Module – Proprietary 433/915MHz



#### 2.3.2 Optional Takeover Module

When Digital Life installations are done in homes with existing wired security systems, a Takeover Module can be utilized to re-use the existing wired window/door contacts and re-use the existing wiring to keypads for powering (up to two) two-way 915MHz wireless keypads. (See Figure 6.)

#### Figure 6: Optional Takeover Module—Wired Window/Door Contacts and Wireless Keypad Power



#### 2.3.3 Optional Z-Wave Devices (Not Evaluated by UL)

Within Digital Life Z-Wave 908MHz two-way technology can be utilized to support optional home automation and control devices and associated services. (See Figure 7.)

**NOTE:** The Z-Wave devices are only evaluated by UL as it relates to the operation of the DLS.





Figure 7: Z-Wave Wireless Transceiver Module—908MHz Two-Way

### 2.4 Digital Life System Installation and Configuration

Unlike traditional security systems wherein a keypad is utilized to perform system installation and configuration, the DLS installation and configuration is completed using a Web tool, such as Digital Life Direct, on a PC or tablet device, such as an iPad. The Web tool enables an installation technician to place the Digital Life Controller into the "Discovery" mode. While the Digital Life Controller is in the "Discovery" mode, the technician places devices in the "Discoverable" mode. The devices are discovered and registered with the Digital Life Controller (See the "Digital Life Direct Overview" Section for more details). After devices have been discovered, the technician utilizes the Web tool to selectively place intrusion and fire devices into the "Armed-Stay" and "Armed-Away" categories and establish Exit Delay and Entry Delay times. The technician also uses the Web tool to label the devices.

### 2.5 Digital Life System Operation

The Digital Life System can be operated by utilizing the 915MHz two-way keypad, the 433MHz one-way four button key fob and through a Web appliance, such as a personal computer (PC).



Within the home the 915MHz two-way keypad provides access to system operation, including the following functions:

- Arm-Stay
- Arm-Away
- Bypass
- Disarm
- Duress Code
- Fire Emergency
- Aux Emergency
- Police Emergency

The customer must enter a four (4) digit Security Code into the keypad in order to disarm the system. The customer creates their four (4) digit Security Code using a Web tool. The customer uses the same Web tool to create their optional four (4) digit Duress Code. The Security Code and Duress Code must be different. The keypad is depicted in Figure 8.



Figure 8: 915MHz Two-Way Wireless Keypad

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The following messages can appear in the display:

- Arming Exit Now
- Armed STAY
- Armed AWAY
- Press BYPASS to proceed
- Contact <Device ID> (Identity of device that has triggered an alarm)
- Alarm Enter Code to Cancel
- Alarm Canceled
- Fire Emergency Sent
- Aux Emergency Sent
- Police Emergency Sent

Within the home a 433MHz one-way four button key fob also can be used to operate the system, including the following three functions:

- Arm-STAY
- Arm-AWAY
- Disarm

The key fob is depicted in Figure 9.



#### Figure 9: 433MHz One-Way Key Fob



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Within the Digital Life Premises Platform the Digital Life Controller is equipped with an Alarm Manager application which receives alarm messages from intrusion devices, fire devices, the 915MHz two-way keypad and the 433MHz one-way four button key fob. The Alarm Manager application sends alarm messages over the AT&T Cellular Data Network to a DMP IP Alarm Receiver located in an AT&T Digital Life Data Center. The alarms are then automatically passed to the AT&T Digital Life Central Monitoring Center for handling.

The following are the primary alarm messages that can be communicated from the Alarm Manager application executing on the Digital Life Controller in a customer's home to the AT&T Digital Life Monitoring Center via the DMP IP Alarm Receiver:

- Fire with device identification
- Intrusion with device identification
- Fire Emergency from fixed function button on keypad
- Aux Emergency from fixed function button on keypad
- Police Emergency from fixed function button on keypad
- Duress based on keypad entry
- Low battery with device identification
- Tamper alarms from the Digital Life Controller Cabinet and other devices

#### 2.7 Event Notification Service (Not Evaluated by UL)

Optionally within their Digital Life Service, customers will be able to be automatically notified when specified events occur in their home. There are a wide range of possible events that could trigger a notification, including:

- Fire alarm
- Intrusion alarm
- Motion detected
- Window opened
- Door opened

Customers will have the option of being notified via text messaging or email.





### 2.8 Remote Video Monitoring (Not Evaluated by UL)

Optionally, Digital Life customers will be able to purchase IP cameras for use with their Digital Life Service.

IP cameras can be installed in the home network utilizing HomePlug AV or Wi-Fi technologies.

### 2.9 Home Automation & Control (Not Evaluated by UL)

Optionally customers will be able to purchase home automation & control devices equipped with Z-Wave technology for use in their homes in conjunction with their Digital Life Service. Some of the potential products include:

- Door locks
- Lighting control
- Thermostats
- Water shut-off

### 2.10 Digital Life System Operation Under a Local Power Failure Condition

The Digital Life System is equipped with a 24 hour battery backup capability and will continue to operate under local power failure conditions for 24 hours. When operating under a power failure condition the following sub-systems within the DLC Cabinet will be powered off:

- Wi-Fi Transceiver Module
- Z-Wave Transceiver Module
- Ethernet Switch Module

When operating under a local power failure condition, the AC POWER LED on the DLC Cabinet will be OFF. In addition, the battery system and wireless broadband LEDs will flash simultaneously.

When operating under a local power failure condition, all of the Proprietary 433MHz One-Way sensor/detector devices will continue to operate as designed and are not impacted by a local power failure condition. Under normal operating conditions the Proprietary 433MHz Repeater and Takeover Module receive power from AC-to-DC



power conversion, but they are equipped with 24 hour battery backup and will continue to operate for 24 hours under a local power failure condition. They are equipped with customer replaceable batteries.

Under normal operating conditions the Proprietary 915MHz Two-Way devices, including the Keypad, Siren and Repeater, receive power from AC-to-DC power conversion, but they are equipped with 24 hour battery backup and will continue to operate for 24 hours under a local power failure condition. All three devices are equipped with customer replaceable batteries.



## 3 Digital Life Direct Overview

Digital Life Direct (DLD) is a Web tool that can be used by a Digital Life Technician (DLT) to enable and configure Digital Life Service in a customer's home. It enables the DLT to remotely activate subscriptions, access account information, program system features and discover and label devices. In addition the tool enables the DLT to monitor and test the operation of the system. The DLT can access the DLD Web tool using a laptop or wireless tablet device, such as an iPad.

Before the DLT arrives at the customer's home to do the Digital Life Service installation, an account will already have been established in the Digital Life Network Platform for the customer. During the installation process the DLT will utilize DLD to register the customer's Digital Life Controller (DLC) with the Digital Life Network Platform.

#### 3.1 Access Customer's DLC

The DLT accesses a specific internet Website (URL) to access the DLD Web Tool. When the DLT accesses the Web tool, they are prompted to enter a Username and Password. Here is an example of the login process in Figure 10.

| ogin: Please enter your Customer Support User login details below.  ennanie: |                  |                            |                        |          |  |  |
|--|------------------|----------------------------|------------------------|----------|--|--|
| ernami:  | Login: Please er | ater your Oustomer Support | User lonin defails he  | inu.     |  |  |
| ternanis:  | rodur viedse in  | the your costaine support  | Given rogen Geralia De | interve. |  |  |
| assword!   | Username:        |                            |                        |          |  |  |
| Submit. Reset.   | Password         |                            |                        |          |  |  |
| Submit   |                  |                            |                        |          |  |  |
|  |                  | Submit Reset               |                        |          |  |  |
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#### Figure 10: DLD Login Screen

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After completing the login process, the DLT will see the Account Search screen. The DLT will enter the customer's Username, Account ID or Billing Account Number (BAN) to access the customer's account. (See Figure 11.)

|                            | OMER SUPPORT INTERFACE                               |               | Login Level: 1<br>Domain: DL |
|----------------------------|--|---------------|------------------------------|
| ACCOUNTS                   | DEVICES  | SUBSCRIPTIONS | LOGOUT                       |
| No matching account record | Enter Username:<br>51039<br>By<br>Username<br>found. | Find View All | BAN (CRM Id)                 |

#### Figure 11: DLD—Enter Account Number

The DLT will then see the customer's account displayed on the Information tab. (See Figure 12.)

#### Figure 12: DLD—Account Information

|                             | OMER SUPPORT INTERFACE      |                                  | Login Level: 1<br>Domain: DL |
|-----------------------------|-----------------------------|----------------------------------|------------------------------|
| ACCOUNTS                    | DEVICES                     | SUBSCRIPTIONS                    | LOGOUT                       |
| Accounts: 51039             | > Information               |                                  |                              |
| Information Devices Quotas  | Users Notification Profiles |                                  |                              |
|                             |                             |                                  |                              |
| Account Status              | Active                      |                                  |                              |
| Customer BAN (CRM Id)       | 404499                      | 7224001                          |                              |
| Domain                      | DL                          |                                  |                              |
| In-box Count                | 10975                       |                                  |                              |
| Trash Count (if applicable) | 0                           |                                  |                              |
| Date Created                | 2011-11                     | I-29 14:49:08 [GMT]              |                              |
| Current Gateway Installatio | on Token DL@9B7             | F-4F358C-C5BB0B-2ABE-7E5B        |                              |
| Getting Started Status      | Custom                      | er has not started "Getting Star | ted″                         |
|                             |                             |                                  |                              |

After the device has been installed and powered up, the Digital Life Controller (DLC) will automatically register with the Digital Life Network Platform. When the DLTs select the



Devices tab, they will see the list of Devices that are registered, including the DLC (Gateway). (See Figure 13.)

| XANBOO                             | CUSTOMER SUPPOR          | T INTERFACE     |                                 | Login Level: 1<br>Domain: DL |        |
|------------------------------------|--------------------------|-----------------|---------------------------------|------------------------------|--------|
| ACCOUNTS                           | DEV                      | /ICES           | SUBSCRIPTIONS                   | LOGOUT                       |        |
| Accounts: 51                       | 1039> Devices            |                 |                                 | ●ONLINE ●OFFLINE●UNK         | NOWN   |
| Information Devices Qu             | uotas Users Notifica     | tion Profiles   |                                 |                              |        |
| Name                               | Device Class             | Subscription ID | Last Contact/Event Time         | Date Registered [GMT]        | Delete |
|                                    |                          | citity -        | [owe]                           |                              |        |
| Gateway 2B:E9                      | Appliance/Gateway4       | 1044997224      | 2012-07-06 14:52:13             | 2012-03-09 02:51:28          |        |
| Contact A000103                    | Contact Sensor           |                 |                                 | 2012-07-05 17:25:29          | Delete |
| Contact A00012C                    | Contact Sensor           |                 |                                 | 2012-07-05 17:25:29          | Delete |
| •Virtual Device 00                 | Contact Sensor           |                 |                                 | 2012-05-29 16:37:33          | Delete |
| •Virtual Device 01                 | Contact Sensor           |                 |                                 | 2012-07-05 17:25:29          | Delete |
| <ul> <li>Motion 4FFFFE4</li> </ul> | Motion Sensor            |                 |                                 | 2012-07-06 00:41:11          | Delete |
| Smoke detector<br>2000043          | Smoke Sensor             |                 |                                 | 2012-07-05 17:28:05          | Delete |
| Glass break sens<br>9000037        | Glass Breakage<br>Sensor |                 |                                 | 2012-07-05 20:42:21          | Delete |
| •CO detector B000049               | CO Sensor                |                 |                                 | 2012-07-05 17:31:54          | Delete |
| •Siren 300000F                     | Siren                    |                 |                                 | 2012-07-05 18:35:46          | Delete |
| •AlarmKeypad 2000003               | Alarm Keypad             |                 |                                 | 2012-07-06 01:55:28          | Delete |
| •AlarmKeypad 3039                  | Alarm Keypad             |                 |                                 | 2012-07-04 16:49:35          | Delete |
| •Alarm Manager                     | Xanboo Alarm<br>Panel    |                 |                                 | 2012-04-17 21:50:33          | Delete |
|                                    |                          |                 |                                 |                              |        |
|                                    | Copyright @              | 02012 AT&T Digi | tal Life - All Rights Reserved. |                              | l i    |

#### Figure 13: DLD—Devices Screen

**NOTE:** The DLT can delete a device by selecting the device and clicking the **Delete** link.



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In order to place the DLC into the Discovery mode, so that devices can be discovered and registered, the DLT will select the DLC (Gateway) and then the screen depicted in Figure 14 will display.

| Name: Name: Status: Catalog ID: Gateway GUID: Device GUID: Hardware Serial Number: Firmware Version: Software Version: Time Zone: Last Contact: Date Registered: Registered By: Location Code: Battery Level: Power Source: Start Discovery View Test/Maintenance Mode: Off 3G Status: Up Broadband Status: Up   | Gateway 28:E9       Edit         •ONLINE       00001000010004         C6895ACBF52E454E802F690635CE488D       0         0       00:24:E8:0E:CD:DD         JVM: 1.6.0_26; OS: Windows 7 6.1; FW: lprf: 01.02.0C       1.0.02         GMT       2012-07-06 14:55:13 [GMT]         2012-03-09 02:51:28 [GMT]       ah0062         Floar: N/A       Edit         Room: N/A       Edit         Egress:N/A       90%         AC       AC                                      |
|--|--|
| Status:<br>Status:<br>Status:<br>Catalog ID:<br>Gateway GUID:<br>Device GUID:<br>Hardware Serial Number:<br>Firmware Version:<br>Software Version:<br>Time Zone:<br>Last Contact:<br>Date Registered:<br>Registered By:<br>Location Code:<br>Battery Level:<br>Power Source:<br>Start Discovery<br>View<br>Test/Maintenance Mode: Off<br>3G Status:<br>Up<br>Broadband Status:<br>Up | Gateway 28:E9         Edit           •ONLINE         000010000010004           C6895ACBF52E454E802F690635CE488D         0           0         00:24:E8:0E:CD:DD           JVM: 1.6.0_26; OS: Windows 7 6.1; FW: lprf: 01.02.0C         1.0.02           GMT         2012-07-06 14:55:13 [GMT]           2012-03-09 02:51:28 [GMT]         ah0062           Floar: N/A         Edit           Room: N/A         Edit           Start Test Mode         Factory Defaults |
| Catalog ID:<br>Gateway GUID:<br>Device GUID:<br>Hardware Serial Number:<br>Firmware Version:<br>Software Version:<br>Time Zone:<br>Last Contact:<br>Date Registered:<br>Registered By:<br>Location Code:<br>Battery Level:<br>Power Source:<br>Start Discovery<br>View<br>Test/Maintenance Mode: Off<br>3G Status:<br>Up<br>Broadband Status:<br>Up                                  | 000010000010004           C6B95ACBF52E454E802F690635CE488D           0           00:24:E8:0E:CD:DD           JVM: 1.6.0_26; OS: Windows 7 6.1; FW: lprf: 01.02.0C           1.0.02           GMT           2012-07-06 14:55:13 [GMT]           2012-03-09 02:51:28 [GMT]           ah0062           Floor: N/A           Egress:N/A           90%           AC   |
| Gateway GUID: Gateway GUID: Hardware Serial Number: Firmware Version: Software Version: Time Zone: Last Contact: Date Registered: Registered By: Location Code: Battery Level: Power Source: Gateway Specific Details: Start Discovery View Test/Maintenance Mode: Off 3G Status: Up Broadband Status: Up  | C6B95ACBF52E454E802F690635CE488D           0           0           00:24:E8:0E:CD:DD           JVM: 1.6.0_26; OS: Windows 7 6.1; FW: lprf: 01.02.0C           1.0.02           GMT           2012-07-06 14:55:13 [GMT]           2012-03-09 02:51:28 [GMT]           ah0062           Floor: N/A           Edit           Room: N/A           Egress:N/A           90%           AC  |
| Gateway Specific Details:<br>Start Discovery View<br>Gateway Specific Details:<br>Start Discovery View<br>Test/Maintenance Mode: Off<br>3G Status: Up  | C0895ACEF32E45F2845F900355E44880           0           00:24:E8:0E:CD:DD           JVM: 1.6.0_26; OS: Windows 7 6.1; FW: lprf: 01.02.0C           1.0.02           GMT           2012-07-06 14:55:13 [GMT]           2012-03-09 02:51:28 [GMT]           ah0062           Floor: N/A           Edit           Room: N/A           Egress:N/A           90%           AC  |
| Hardware Serial Number:<br>Hardware Serial Number:<br>Firmware Version:<br>Software Version:<br>Time Zone:<br>Last Contact:<br>Date Registered:<br>Registered By:<br>Location Code:<br>Battery Level:<br>Power Source:<br>Gateway Specific Details:<br>Start Discovery<br>View<br>Test/Maintenance Mode: Off<br>3G Status:<br>Up<br>Broadband Status:<br>Up                          | v         Log           00:24:E8:0E:CD:DD           JJM: 1.6.0_26; OS: Windows 7 6.1; FW: lprf: 01.02.0C           1.0.02           GMT           2012-07-06 14:55:13 [GMT]           2012-03-09 02:51:28 [GMT]           ah0062           Floor: N/A           Edit           Room: N/A           Egress:N/A           90%           AC   |
| Firmware Version:<br>Software Version:<br>Software Version:<br>Time Zone:<br>Last Contact:<br>Date Registered:<br>Registered By:<br>Location Code:<br>Battery Level:<br>Power Source:<br>Gateway Specific Details:<br>Start Discovery<br>View<br>Test/Maintenance Mode: Off<br>3G Status:<br>Up<br>Broadband Status:<br>Up   | JVM: 1.6.0_26; OS: Windows 7 6.1; FW: lprf: 01.02.0C           1.0.02           GMT           2012-07-06 14:55:13 [GMT]           2012-03-09 02:51:28 [GMT]           ah0062           Floor: N/A           Edit           Room: N/A           Egress:N/A           90%           AC   |
| Software Version:<br>Time Zone:<br>Last Contact:<br>Date Registered:<br>Registered By:<br>Location Code:<br>Battery Level:<br>Power Source:<br>Gateway Specific Details:<br>Start Discovery<br>View<br>Test/Maintenance Mode: Off<br>3G Status:<br>Up  | 1.0.02         GMT         2012-07-06 14:55:13 [GMT]         2012-03-09 02:51:28 [GMT]         ah0062         Floor: N/A         Egress:N/A         90%         AC   |
| Time Zone:         Last Contact:         Date Registered:         Registered By:         Location Code:         Battery Level:         Power Source:         Gateway Specific Details:         Start Discovery         View         Test/Maintenance Mode: Off         3G Status:       Up         Broadband Status:       Up  | GMT<br>2012-07-06 14:55:13 [GMT]<br>2012-03-09 02:51:28 [GMT]<br>ah0062<br>Floor: N/A Edit<br>Room: N/A<br>Egress:N/A<br>90%<br>AC<br>v Log Upload Log Reboot Factory Defaults<br>Start Test Mode  |
| Last Contact: Date Registered: Registered By: Location Code: Battery Level: Power Source: Gateway Specific Details: [Start Discovery] View Test/Maintenance Mode: Off 3G Status: Up Broadband Status: Up   | 2012-07-06 14:55:13 [GMT]<br>2012-07-06 14:55:13 [GMT]<br>2012-03-09 02:51:28 [GMT]<br>ah0062<br>Floor: N/A Edit<br>Room: N/A<br>Egress:N/A<br>90%<br>AC<br>v Log Upload Log Reboot Factory Defaults<br>Start Test Mode  |
| Date Registered:<br>Registered By:<br>Location Code:<br>Battery Level:<br>Power Source:<br>Gateway Specific Details:<br>Start Discovery View<br>Test/Maintenance Mode: Off<br>3G Status: Up<br>Broadband Status: Up  | 2012-03-09 02:51:28 [GMT]<br>ah0062<br>Floar: N/A Edit<br>Room: N/A<br>Egress:N/A<br>90%<br>AC<br>v Log Upload Log Reboot Factory Defaults<br>Start Test Mode  |
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| Location Code:<br>Battery Level:<br>Power Source:<br>Gateway Specific Details:<br>Start Discovery View<br>Test/Maintenance Mode: Off<br>3G Status: Up<br>Broadband Status: Up  | Floor: N/A Edit<br>Room: N/A<br>Egress:N/A<br>90%<br>AC<br>v Log Upload Log Reboot Factory Defaults<br>Start Test Mode   |
| Location Code:<br>Battery Level:<br>Power Source:<br>Gateway Specific Details:<br>Start Discovery View<br>Test/Maintenance Mode: Off<br>3G Status: Up<br>Broadband Status: Up  | Floor: N/A Edit <br>Room: N/A<br>Egress:N/A<br>90%<br>AC<br>v Log Upload Log Reboot Factory Defaults<br>Start Test Mode  |
| Battery Level:<br>Power Source:<br>Gateway Specific Details:<br>Start Discovery View<br>Test/Maintenance Mode: Off<br>3G Status: Up<br>Broadband Status: Up  | koom: n/A<br>Egress:N/A<br>90%<br>AC<br>v Log Upload Log Reboot Factory Defaults<br>Start Test Mode  |
| Battery Level:<br>Power Source:<br>Gateway Specific Details:<br>Start Discovery View<br>Test/Maintenance Mode: Off<br>3G Status: Up<br>Broadband Status: Up  | 90%<br>AC<br>v Log Upload Log Reboot Factory Defaults<br>Start Test Mode   |
| Battery Level:<br>Power Source:<br>Gateway Specific Details:<br>Start Discovery View<br>Test/Maintenance Mode: Off<br>3G Status: Up<br>Broadband Status: Up  | 90%<br>AC<br>v Log Upload Log Reboot Factory Defaults<br>Start Test Mode   |
| Power Source:<br>Gateway Specific Details:<br>Start Discovery View<br>Test/Maintenance Mode: Off<br>3G Status: Up<br>Broadband Status: Up  | AC<br>v Log   Upload Log   Reboot   Factory Defaults  <br>Start Test Mode  |
| Gateway Specific Details:       Start Discovery     View       Test/Maintenance Mode: Off       3G Status:     Up       Broadband Status:     Up   | v Log Upload Log Reboot Factory Defaults<br>Start Test Mode  |
| Test/Maintenance Mode: Off<br>3G Status: Up<br>Broadband Status: Up  | Start Test Mode  |
| Broadband Status: Up   |  |
| Broadband Status: Up   |  |
| 3.0 10 10 10 10  |  |
| 3G IP: 10.1.1  | 1./2   |
| Direct Path: YES -   | · Via Source Header IP   |
| Header IP: 10.1.1  | 1.51   |
| Appliance IP 1: 10.10.   | 3.13.15  |
| Appliance IP 2: 22000  | 0  |
| Appliance Port: 32000  | 0  |
| Slow poli period: 00   |  |
| Lecation: 10   | 0001   |
| Locabon: 05_10   | 0001   |
| Service/Subscription:  |  |
| Subscription Status:   | Active/Live Service  |
| Subscription ID (CTN): 4   | 4044997224   |
|  |  |
| Subscription IMEI: 0   | 004044997224002  |
| Subscription IMEI: C<br>Traffic Profile: 3   | 004044997224002<br>3G+8B Profile   |

#### Figure 14: DLD—DLC Specific Details Screen

**IMPORTANT!** The discovery method is basically the same for all of the devices that the DLT will install and register with the customer's DLC (Gateway). While the DLC is in the Discovery mode, the DLT will install each device and make it discoverable, and then the device will automatically be discovered and registered with the DLC.


In order to discover devices, the DLT will select **Start Discovery** in order to place the DLC in the Discovery mode. The DLT will see the screens depicted in Figure 15 and Figure 16.

| ACCOUNTS   |                             | DEVICES  | SUBSCRIPTIONS  | LOGOUT   |
|--|-----------------------------|--|--|--|
| Accounts: 5  | 5 <b>1039</b> > Devic       | e Details  |  | ONLINE      OFFLINE     UNKNOWN  |
| Information Devices (  | Quotas Users                | Notification Profile   | es   |  |
| Device Information   |                             |  |  |  |
| Name:  |                             | Gateway 28:E9  | Edit   |  |
| Status:  |                             | ONLINE   |  |  |
| Catalog ID:  |                             | 0000100000100  | 104  |  |
| Gateway GUID:  |                             | C6B95ACBF52E4  | 454E802F690635CE488D   |  |
| Device GUID:   |                             | 0  |  |  |
| Hardware Serial Num  | ber:                        | 00:24:E8:0E:CD   | D:DD   |  |
| Firmware Version:  |                             | JVM: 1.6.0 26:   | OS: Windows 7 6.1; FW: lprf:   | 01.02.0C   |
| Software Version:  |                             | 1.0.02   |  |  |
| Time Zone:   |                             | GMT  |  |  |
| Last Contact:  |                             | 2012-07-06 15:   | 13:26 [GMT]  |  |
| Date Registered:   |                             | 2012-03-09 02:   | 51:28 [GMT]  |  |
| Registered By:   |                             | ah0062   |  |  |
| Location Code:   |                             | Floor: N/A E<br>Room: N/A<br>Egress:N/A  | Edit   |  |
| Battery Level:   |                             | 90%  |  |  |
| Power Source:  |                             | AC   |  |  |
| Details:<br>Stop Discovery   | Initializing. P             | Please wait  | Date Desidential Folgers   | Productional Pro-  |
| Contact A000103  |                             | 0102   | 2012-07-05 17:25:29  | ah0062   |
| Contact A00012C<br>Virtual Device 00<br>Virtual Device 01<br>Motion 4FFFFE4<br>Smoke detector 200<br>Glass break sens 90<br>CO detector B0000F<br>AlarmKeypad 20000<br>AlarmKeypad 3039<br>Alarm Manager | 00043<br>100037<br>19<br>03 | 0102<br>0102<br>0103<br>0106<br>0108<br>0106<br>0601<br>0608<br>0608<br>0701   | 2012-07-05 17:25:29<br>2012-07-05 17:25:29<br>2012-07-05 17:25:29<br>2012-07-06 00:41:11<br>2012-07-05 17:28:05<br>2012-07-05 20:42:21<br>2012-07-05 18:35:46<br>2012-07-06 01:55:28<br>2012-07-06 16:49:35<br>2012-07-04 16:49:35 | ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062 |
| Test/Maintenance<br>Mode:  | Off                         | and the second sec | ALL THE R  |  |
| 3G Status:   | Up                          |  |  |  |
| Broadband Status:  | Up                          |  |  |  |
| 3G IP:   | 10.1.1.72                   |  |  |  |
| Direct Path:   | YES - via Sou               | Irce Header IP   |  |  |
| Header IP:   | 10.1.1.51                   |  |  |  |
| Appliance IP 1:  | 10.10.13.15                 |  |  |  |
| Appliance IP 2:  | *                           |  |  |  |
| Appliance Port:  | 32000                       |  |  |  |
| Slow poll period:  | 60                          |  |  |  |
| Fast poll period:  | 10                          |  |  |  |
| Location:  | US 10001                    |  |  |  |
|  |                             |  |  |  |

#### Figure 15: DLD—Start Discovery – Initializing Please Wait



#### Figure 16: DLD—Start Discovery – Discovery In Progress

|  |   | DEVICES  |   | SUBSCRIPTIC  | DNS                     |  | LOGOUT                  |
|--|---|--|---|--|-------------------------|--|-------------------------|
| Accounts: 5  | 1039> Device I  | Details  |   |  |                         |  | OFFLINE UNKNOW          |
| formation Devices O  | untas Users N   | tification Pro   | files   |  |                         |  |                         |
| Device Information   | 00000 00000 10  |  | 143   |  |                         |  |                         |
| Name   | -   |  | a later   |  |                         |  |                         |
| Name:  |   | Gateway 28:E   | 9 Edit  |  |                         |  |                         |
| Status:  |   | ONLINE   |   |  |                         |  |                         |
| Catalog ID:  |   | 00001000001  | 0004  | Subclass of the  |                         |  |                         |
| Gateway GUID:  |   | C6B95ACBF52  | E454E802F69   | 0635CE488D   |                         |  |                         |
| Device GUID:   |   | 0  |   |  |                         |  |                         |
| Hardware Senal Numb  | per:  | 00:24:E8:0E:0  | CD:DD   |  |                         |  |                         |
| Firmware Version:  |   | JVM: 1.6.0_20  | ; OS: Windo   | ws 7 6.1; FW: I  | orf: 01.02              | .0C  |                         |
| Software Version:  |   | 1.0.02   |   |  |                         |  |                         |
| Time Zone:   |   | GMT  |   |  |                         |  |                         |
| Last Contact:  |   | 2012-07-06 1   | 5:00:24 [GM   | r]   |                         |  |                         |
| Date Registered:   | -   | 2012-03-09 0   | 2:51:28 [GM   | r]   |                         |  |                         |
| Registered By:   | 10  | Customer/Sell  | Install   |  |                         |  |                         |
| Location Code:   |   | Floor: N/A<br>Room: N/A<br>Egress:N/A  | Edit  |  |                         |  |                         |
| Battery Level:   |   | 90%  |   |  |                         |  |                         |
| The second  |   |  |   |  |                         |  |                         |
| Power Source:<br>Gateway Specific<br>Details:  |   | AC   |   |  |                         |  |                         |
| Power Source:<br>Gateway Specific<br>Details:<br>Stop Discovery<br>Press 'discovery' butt<br>Click on 'Stop Discovery'   | Discovery in pr<br>on on all wireles<br>ery' button when  | ogress<br>s devices one<br>done or gate  | at a time to<br>way will stop   | register with th<br>discovery autor  | e gateway<br>matically, | /,<br>15 minutes   | after discovery         |
| Power Source:<br>Gateway Specific<br>Details:<br>Stop Discovery<br>Press 'discovery' butt<br>Click on 'Stop Discovery'<br>started.<br>Name   | Discovery in pr<br>on on all wireles<br>ery' button when  | ogress<br>s devices one<br>done or gate  | at a time to<br>way will stop   | register with th<br>discovery autor  | e gateway<br>matically, | /,<br>15 minutes<br>Registere  | after discovery         |
| Power Source:<br>Gateway Specific<br>Details:<br>Stop Discovery<br>Press 'discovery' butt<br>Click on 'Stop Discovery'<br>started.<br>Name<br>Contact A000103  | Discovery in pr<br>on on all wireles<br>ery' button when  | ogress<br>s devices one<br>done or gate<br>Device Class<br>0102  | at a time to<br>way will stop<br>Date F<br>2012-(   | register with th<br>discovery auto<br>Registered [GMT<br>17-05 17:25:29  | e gateway<br>matically, | ,<br>15 minutes<br>Registere<br>ah0062   | after discovery         |
| Contact A000103<br>Contact A000103<br>Contact A000103<br>Contact A00012C<br>Virtual Device 00  | Discovery in pr<br>on on all wireles<br>ery' button when  | ogress<br>s devices one<br>done or gate<br>Device Class<br>0102<br>0102  | at a time to<br>way will stop<br>2012-(<br>2012-(<br>2012-(   | register with the<br>discovery autor<br>Registered [GMT<br>07-05 17:25:29<br>07-05 17:25:29<br>07-05 17:25:29  | e gateway<br>matically, | /,<br>15 minutes<br>ah0062<br>ah0062<br>ah0062   | after discovery<br>d By |
| Power Source:<br>Gateway Specific<br>Details:<br>Stop Discovery<br>Press 'discovery' butt<br>Click on 'Stop Discovery'<br>started.<br>Name<br>Contact A000103<br>Contact A00012C<br>Virtual Device 00<br>Virtual Device 01   | Discovery in pr<br>on on all wireles<br>ery' button when  | ogress<br>s devices one<br>done or gate<br>Device Class<br>0102<br>0102<br>0102<br>0102  | at a time to<br>way will stop<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0   | register with the<br>discovery autor<br>(construction)<br>17-05 17:25:29<br>17-05 17:25:29<br>17-05 17:25:29<br>17-05 17:25:29   | e gatewa<br>matically,  | /,<br>15 minutes<br>ah0062<br>ah0062<br>ah0062<br>ah0062   | after discovery<br>1 By |
| Power Source:<br>Gateway Specific<br>Details:<br>Stop Discovery<br>Press 'discovery' butt<br>Click on 'Stop Discovery'<br>started.<br>Name<br>Contact A000103<br>Contact A00012C<br>Virtual Device 01<br>Wotion 4FFFFE4<br>Smoke detector 2000   | Discovery in pr<br>on on all wireles<br>ery' button when  | AC<br>ogress<br>s devices one<br>done or gate<br>Device Class<br>0102<br>0102<br>0102<br>0102<br>0103<br>0106  | at a time to<br>way will stop<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0   | register with the<br>discovery autor<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(c | e gateway<br>matically, | 7.<br>15 minutes<br>Registerer<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062   | after discovery<br>d By |
| Power Source:<br>Gateway Specific<br>Details:<br>Stop Discovery<br>Press 'discovery' butt<br>Click on 'Stop Discovery'<br>started.<br>Name<br>Contact A000103<br>Contact A00012C<br>Virtual Device 00<br>Virtual Device 01<br>Motion 4FFFFE4<br>Smoke detector 2000<br>Glass break sens 900  | Discovery in pr<br>on on all wireles<br>ery' button when<br>button when<br>043<br>0037  | AC<br>ogress<br>s devices one<br>done or gate<br>Device Class<br>0102<br>0102<br>0102<br>0102<br>0102<br>0103<br>0106<br>0108  | at a time to<br>way will stop<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0   | register with the<br>discovery autor<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(c | e gateway<br>matically, | A<br>15 minutes<br>Registere<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062   | after discovery<br>d By |
| Power Source:<br>Gateway Specific<br>Details:<br>Stop Discovery<br>Press 'discovery' butt<br>Click on 'Stop Discove<br>started.<br>Name<br>Contact A000103<br>Contact A00012C<br>Virtual Device 00<br>Virtual Device 01<br>Motion 4FFFFE4<br>Smoke detector 20000<br>Glass break sens 90049<br>Stren 300000F   | Discovery in pr<br>on on all wireles<br>ery' button when<br>button when<br>0043<br>0037   | AC<br>ogress<br>s devices one<br>done or gate<br>Device Class<br>0102<br>0102<br>0102<br>0102<br>0102<br>0103<br>0106<br>0106<br>0106<br>0601  | at a time to<br>way will stop<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0   | register with the<br>discovery autor<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(c | e gateway<br>matically, | 7.<br>15 minutes<br>Registerer<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062   | after discovery<br>d By |
| Power Source:<br>Gateway Specific<br>Details:<br>Stop Discovery<br>Press 'discovery' butt<br>Click on 'Stop Discovery'<br>started.<br>Name<br>Contact A000103<br>Contact A00012C<br>Virtual Device 00<br>Virtual Device 01<br>Motion 4FFFFE4<br>Smoke detector 2000<br>Glass break sens 900<br>CO detector B000049<br>Siren 300000F<br>AlarmKeypad 2000000   | Discovery in pr<br>on on all wireles<br>ery' button when<br>0043<br>0037  | AC<br>ogress<br>s devices one<br>done or gate<br>Device Class<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0102<br>0106<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0006<br>0 | at a time to<br>way will stop<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0           | register with the<br>discovery autor<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(c 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| Power Source:<br>Gateway Specific<br>Details:<br>Stop Discovery<br>Press 'discovery' butt<br>Click on 'Stop Discovery'<br>tarted.<br>Name<br>Contact A000103<br>Contact A00012C<br>Virtual Device 00<br>Virtual Device 01<br>Motion 4FFFFE4<br>Smoke detector 2000<br>Glass break sens 900<br>Glass break sens 900<br>Co detector B000049<br>Siren 300000F<br>AlarmKeypad 2000000<br>AlarmKeypad 3039<br>Alarm Manager   | Discovery in pr<br>on on all wireles<br>ery' button when<br>button when<br>0043<br>0037   | AC<br>ogress<br>s devices one<br>done or gate<br>Device Class<br>0102<br>0102<br>0102<br>0102<br>0103<br>0106<br>0108<br>0106<br>0608<br>0608<br>0701  | at a time to<br>way will stop<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0<br>2012-0 | register with the<br>discovery autor<br>(construction)<br>registered [GMT<br>registered [G                            | e gatewa<br>matically,  | 7.<br>15 minutes<br>Registere<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062                      | after discovery<br>d By |
| Power Source:<br>Gateway Specific<br>Details:<br>Stop Discovery<br>Press 'discovery' butt<br>Click on 'Stop Discovery'<br>started.<br>Name<br>Contact A000103<br>Contact A00012C<br>Virtual Device 00<br>Virtual Device 01<br>Motion 4FFFFE4<br>Smoke detector 2000<br>Glass break sens 900<br>CO detector B000049<br>Siren 300000F<br>AlarmKeypad 2000000<br>AlarmKeypad 2039<br>Alarm Manager<br>Test/Maintenance<br>Moder   | Discovery in pr<br>on on all wireles<br>ery' button when<br>0043<br>0037  | AC<br>ogress<br>s devices one<br>done or gate<br>Device Class<br>0102<br>0102<br>0102<br>0102<br>0102<br>0103<br>0106<br>0106<br>0106<br>0106<br>0106<br>0601<br>0608<br>0701  | at a time to<br>way will stop<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(                     | register with the<br>discovery autor<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(construction)<br>(c | e gateway<br>matically, | 7.<br>15 minutes<br>Registere<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062            | after discovery<br>d By |
| Power Source:<br>Gateway Specific<br>Details:<br>Stop Discovery<br>Press 'discovery' butt<br>Click on 'Stop Discovery'<br>started.<br>Name<br>Contact A000103<br>Contact A000103<br>Contact A000103<br>Virtual Device 00<br>Virtual Device 01<br>Motion 4FFFFE4<br>Smoke detector 2000<br>Glass break sens 900<br>CO detector B000049<br>Siren 300000F<br>AlarmKeypad 2000000<br>AlarmKeypad 2000000<br>AlarmKeypad 3039<br>Alarm Manager<br>Test/Maintenance<br>Mode:<br>Si Status:   | Discovery in pr<br>on on all wireles<br>ery' button when<br>0043<br>0037<br>3<br>Off  | AC<br>ogress<br>s devices one<br>done or gate<br>Device Class<br>0102<br>0102<br>0102<br>0102<br>0102<br>0103<br>0106<br>0108<br>0106<br>0108<br>0106<br>0608<br>0608<br>0701  | at a time to<br>way will stop<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(                               | register with the<br>discovery autor<br>(construction)<br>r-05 17:25:29<br>r-05 17:25:29<br>r-05 17:25:29<br>r-05 17:25:29<br>r-05 17:25:29<br>r-05 0:41:11<br>r-05 17:28:05<br>r-05 17:31:54<br>r-05 18:35:46<br>r-06 01:55:28<br>r-04 16:49:35<br>r-04 16:49:35  | e gateway<br>maticalty, | 7.<br>15 minutes<br>Registere<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062                      | after discovery<br>d By |
| Power Source:<br>Gateway Specific<br>Details:<br>Stop Discovery<br>Press 'discovery' butt<br>Click on 'Stop Discovery'<br>started.<br>Name<br>Contact A000103<br>Contact A000103<br>Contact A000103<br>Contact A000103<br>Contact A000103<br>Contact A000103<br>Contact A000103<br>Contact A000103<br>Siren 300000<br>Glass break sens 900<br>CO detector B000049<br>Siren 300000F<br>AlarmKeypad 2000000<br>AlarmKeypad 3039<br>Alarm Manager<br>Test/Maintenance<br>Mode:<br>Si Status:<br>Boadband Status:  | Discovery in pr<br>on on all wireless<br>ery' button when<br>0043<br>0037<br>3<br>Off<br>Up   | AC<br>ogress<br>s devices one<br>done or gate<br>Device Class<br>0102<br>0102<br>0102<br>0102<br>0103<br>0106<br>0108<br>0106<br>0108<br>0106<br>0608<br>0608<br>0701  | at a time to<br>way will stop<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(                     | register with the<br>discovery autor<br>(construction)<br>r-05 17:25:29<br>r-05 17:25:29<br>r-05 17:25:29<br>r-05 17:25:29<br>r-05 00:41:11<br>r-05 17:28:05<br>r-05 17:28:05<br>r-05 17:31:54<br>r-05 18:35:46<br>r-06 01:55:28<br>r-04 16:49:35<br>r-04 16:49:35   | e gateway<br>maticalty, | 7.<br>15 minutes<br>Registere<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062                      | after discovery<br>d By |
| Power Source:<br>Gateway Specific<br>Details:<br>Stop Discovery<br>Press 'discovery' butt<br>Click on 'Stop Discovery'<br>started.<br>Name<br>Contact A000103<br>Contact A000103<br>Contact A000102<br>Virtual Device 00<br>Virtual Device 01<br>Wotion 4FFFFE4<br>Smoke detector 2000<br>Glass break sens 900<br>CO detector B000049<br>Siren 300000F<br>AlarmKeypad 2000000<br>AlarmKeypad 2000000<br>AlarmKeypad 3039<br>Alarm Manager<br>Test/Maintenance<br>Mode:<br>So Status:<br>Broadband Status:<br>26 IP:  | Discovery in pr<br>con on all wireless<br>ery' button when<br>2043<br>2037<br>3<br>Off<br>Up<br>Up<br>10.1.1.72   | AC<br>ogress<br>s devices one<br>done or gate<br>Device Class<br>0102<br>0102<br>0102<br>0102<br>0102<br>0103<br>0106<br>0108<br>0106<br>0608<br>0608<br>0701  | at a time to<br>way will stop<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(   | register with thi<br>discovery auto<br>77-05 17:25:29<br>97-05 17:25:29<br>97-05 17:25:29<br>97-05 17:25:29<br>97-05 17:28:05<br>97-05 00:41:11<br>97-05 17:31:54<br>97-05 18:35:46<br>97-06 01:55:28<br>94-17 21:50:33  | e gateway<br>maticalty, | 7,<br>15 minutes<br>Registere<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062            | after discovery         |
| Power Source:<br>Gateway Specific<br>Details:<br>Stop Discovery<br>Press 'discovery' butt<br>Click on 'Stop Discovery'<br>Started.<br>Name<br>Contact A000103<br>Contact A000103<br>Contact A000102<br>Virtual Device 00<br>Virtual Device 01<br>Wotion 4FFFE4<br>Smoke detector 2000<br>Glass break sens 900<br>CO detector B000049<br>Siren 300000F<br>AlarmKeypad 2000000<br>AlarmKeypad 2000000<br>AlarmKeypad 3039<br>Alarm Manager<br>Test/Maintenance<br>Mode:<br>S Status:<br>toadband Status:<br>26 IP:<br>Direct Path:   | Discovery in pr<br>con on all wireless<br>ery' button when<br>2043<br>0037<br>3<br>00ff<br>Up<br>Up<br>Up<br>10.1.1.72<br>YES - via Source  | AC<br>ogress<br>s devices one<br>done or gate<br>Device Class<br>0102<br>0102<br>0102<br>0102<br>0102<br>0103<br>0106<br>0108<br>0106<br>0608<br>0608<br>0701<br>Header IP   | at a time to<br>way will stop<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(   | register with the<br>discovery auto<br>(discovery auto)<br>(7-05 17:25:29<br>07-05 17:25:29<br>07-05 17:25:29<br>07-05 17:25:29<br>07-05 00:41:11<br>07-05 17:31:54<br>07-05 18:35:46<br>07-06 01:55:28<br>07-04 16:49:35<br>04-17 21:50:33  | e gateway<br>maticalty, | 7,<br>15 minutes<br>Registere<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062            | after discovery         |
| Power Source:<br>Gateway Specific<br>Details:<br>Stop Discovery<br>Press 'discovery' butt<br>Click on 'Stop Discovery'<br>started.<br>Name<br>Contact A000103<br>Contact A000103<br>Contact A000102C<br>Virtual Device 01<br>Virtual Device 01<br>Virtual Device 01<br>Virtual Device 01<br>Virtual Device 01<br>Wotion 4FFFFE4<br>Smoke detector 2000<br>Glass break sens 900<br>CO detector B000049<br>Siren 300000F<br>AlarmKeypad 2000000<br>AlarmKeypad 2000000<br>AlarmKeypad 2000000<br>AlarmKeypad 3039<br>Alarm Manager<br>Test/Maintenance<br>Mode:<br>S Status:<br>Broadband Status:<br>36 IP:<br>Direct Path:<br>Header IP:  | Discovery in pr<br>con on all wireless<br>ery' button when<br>0043<br>0037<br>3<br>00ff<br>Up<br>Up<br>10.1.1.72<br>YES - via Source<br>10.1.1.51   | AC Ogress done or gate Oli02 Oli02 Oli02 Oli02 Oli03 Oli06 Oli08 Oli06 Oli08 O   | at a time to<br>way will stop<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(   | register with the<br>discovery auto<br>(registered [GMT<br>77-05 17:25:29<br>97-05 17:25:29<br>97-05 17:25:29<br>97-06 00:41:11<br>97-05 17:28:40<br>97-05 17:31:54<br>97-05 18:35:46<br>97-04 16:49:35<br>14-17 21:50:33  | e gateway<br>matically, | 7.<br>15 minutes<br>Registered<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062 | after discovery         |
| Power Source:<br>Gateway Specific<br>Details:<br>Stop Discovery<br>Press 'discovery' butt<br>Click on 'Stop Discovery'<br>started.<br>Name<br>Contact A000103<br>Contact A000103<br>Contact A000102C<br>Virtual Device 01<br>Virtual Device 01<br>Virtual Device 01<br>Virtual Device 01<br>Wotion 4FFFFE4<br>Smoke detector 2000<br>Glass break sens 900<br>CO detector B000049<br>Siren 300000F<br>AlarmKeypad 2000000<br>AlarmKeypad 2000000<br>AlarmKeypad 3039<br>AlarmKeypad 3039<br>AlarmKeypad 3039<br>AlarmKeypad 3039<br>Co detector B000049<br>Siren 300000F<br>AlarmKeypad 2000000<br>AlarmKeypad 3039<br>Alarm Manager<br>Test/Maintonance<br>Mode:<br>36 Status:<br>Broadband Status:<br>36 IP:<br>Direct Path:<br>Header IP:<br>Appliance IP 1:   | Discovery in pr<br>con on all wireless<br>ery' button when<br>0043<br>0037<br>3<br>006<br>0037<br>3<br>006<br>0037<br>3<br>006<br>0037<br>10<br>10.1.1.72<br>YES - via Source<br>10.1.1.51<br>10.10.13 15 | AC Ogress s devices one done or gate Device Class 0102 0102 0102 0102 0103 0106 0108 010E 0601 0608 0608 0701 Header IP  | at a time to<br>way will stop<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(   | register with the<br>discovery autol<br>(registered [GMT<br>7-05 17:25:29<br>07-05 17:25:29<br>07-05 17:25:29<br>07-06 00:41:11<br>07-05 17:28:15<br>07-05 17:31:54<br>07-05 18:35:46<br>07-04 16:49:35<br>14-17 21:50:33  | e gateway<br>matically, | 7.<br>15 minutes<br>Registered<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062           | after discovery         |
| Power Source:<br>Gateway Specific<br>Details:<br>Stop Discovery<br>Press 'discovery' butt<br>Click on 'Stop Discovery'<br>started.<br>Name<br>Contact A000103<br>Contact A000103<br>Contact A000102C<br>Virtual Device 00<br>Virtual Device 01<br>Wotion 4FFFFE4<br>Smoke detector 2000<br>Glass break sens 900<br>CO detector B000049<br>Siren 300000F<br>AlarmKeypad 2000000<br>AlarmKeypad 2000000<br>AlarmKeypad 2000000<br>AlarmKeypad 3039<br>AlarmKeypad 3039<br>AlarmKeypad 3039<br>AlarmKeypad 3039<br>Co detector B000049<br>Siren 300000F<br>AlarmKeypad 2000000<br>AlarmKeypad 2000000<br>AlarmKeypad 3039<br>Alarm Manager<br>Test/Maintenance<br>Mode:<br>36 Status:<br>Broadband Status:<br>36 IP:<br>Direct Path:<br>Header IP:<br>Appliance IP 1:<br>Appliance IP 2:  | Discovery in pr<br>con on all wireless<br>ery' button when<br>0043<br>0037<br>3<br>Off<br>Up<br>Up<br>10.1.1.72<br>YES - via Source<br>10.1.1.51<br>10.10.13.15   | AC Ogress done or gate Device Class 0102 0102 0102 0102 0103 0106 0108 010E 0608 0608 0701 Header IP   | at a time to<br>way will stop<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(   | register with thi<br>discovery autol<br>(r)7-05 17:25:29<br>(7)-05 17:25:29<br>(7)-05 17:25:29<br>(7)-05 17:25:29<br>(7)-05 17:25:29<br>(7)-05 17:25:29<br>(7)-05 17:31:54<br>(7)-05 18:35:46<br>(7)-05 18:35:46<br>(7)-04 16:49:35<br>(4)-17 21:50:33   | e gateway<br>matically, | 7.<br>15 minutes<br>Registered<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062           | after discovery         |
| Power Source:<br>Gateway Specific<br>Details:<br>Stop Discovery<br>Press 'discovery' butt<br>Click on 'Stop Discovery'<br>started.<br>Name<br>Contact A000103<br>Contact A000103<br>Contact A000102C<br>Virtual Device 00<br>Virtual Device 00<br>Virtual Device 01<br>Motion 4FFFFE4<br>Smoke detector 2000<br>Glass break sens 900<br>CO detector B000049<br>Siren 300000F<br>AlarmKeypad 2000000<br>AlarmKeypad 2000000<br>AlarmKeypad 3039<br>AlarmKeypad 3039<br>AlarmKeypad 3039<br>AlarmKeypad 3039<br>AlarmKeypad 3039<br>AlarmKeypad 3039<br>Co detector B000049<br>Siren 300000F<br>AlarmKeypad 3039<br>AlarmKeypad 2000000<br>Co detector B000049<br>Siren 300000F<br>AlarmKeypad 2000000<br>AlarmKeypad 2000000<br>AlarmKeypad 2000000<br>AlarmKeypad 2000000<br>AlarmKeypad 2000000<br>AlarmKeypad 2000000<br>AlarmKeypad 2000000<br>AlarmKeypad 2000000<br>AlarmKeypad 200000<br>AlarmKeypad 2000000<br>AlarmKeypad 2000000<br>AlarmKeypad 2000000<br>AlarmKeypad 200000<br>AlarmKeypad 200000<br>AlarmKeypad 2000000<br>AlarmKeypad 200000<br>AlarmKeypad 200000<br>AlarmKeypad 2000000<br>AlarmKeypad 2000000<br>AlarmKeypad 200000<br>AlarmKeypad 2000000<br>AlarmKeypad 2000000<br>AlarmKeypad 200000<br>AlarmKeypad 2000000<br>AlarmKeypad 2000000<br>AlarmKeypad 200000<br>AlarmKeypad 2000000<br>AlarmKeypad 2000               | Discovery in pr<br>con on all wireless<br>ery' button when<br>0043<br>0037<br>3<br>Off<br>Up<br>Up<br>10.1.1.72<br>YES - via Source<br>10.1.1.51<br>10.10.13.15   | AC Ogress devices one done or gate Device Class 0102 0102 0102 0102 0103 0106 0108 010E 0601 0608 0608 0701 Header IP Header IP  | at a time to<br>way will stop<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(   | register with thi<br>discovery autol<br>(agistered [GMT<br>77-05 17:25:29<br>17:05 17:25:29<br>17-05 17:25:29<br>17-06 00:41:11<br>17-05 17:25:29<br>17-05 17:31:54<br>17-05 18:35:46<br>17-05 18:35:46<br>17-04 16:49:35<br>14-17 21:50:33  | e gateway               | 7.<br>15 minutes<br>Registered<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062           | after discovery         |
| Power Source:<br>Gateway Specific<br>Details:<br>Stop Discovery<br>Press 'discovery' butt<br>Click on 'Stop Discove<br>started.<br>Name<br>Contact A000103<br>Contact A000103<br>Contact A000102<br>Virtual Device 00<br>Virtual Device 01<br>Motion 4FFFE4<br>Smoke detector 2000<br>Glass break sens 900<br>CO detector B000049<br>Siren 300000F<br>AlarmKeypad 2000007<br>AlarmKeypad 2000000<br>AlarmKeypad 2000007<br>AlarmKeypad 200007<br>AlarmKeypad 20007<br>AlarmKeypad 200007<br>AlarmKeypad 200007<br>AlarmKeypad 200007<br>AlarmKeypad 200007<br>AlarmKeypad 200007<br>AlarmKeypad 200007<br>AlarmKeypad 200007<br>AlarmKeypad 200007<br>AlarmKeypad 200007<br>AlarmKeypad 20000                 | Discovery in pr<br>on on all wireless<br>ery' button when<br>0043<br>0037<br>3<br>0ff<br>Up<br>Up<br>10.1.1.72<br>YES - via Source<br>10.1.1.51<br>10.10.13.15<br>-<br>32000<br>60                        | AC Ogress s devices one done or gate Device Class 0102 0102 0102 0102 0103 0106 0108 0106 0608 0608 0701 Header IP Header IP   | at a time to<br>way will stop<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(                               | register with thi<br>discovery autol<br>(agistered [GMT<br>77-05 17:25:29<br>77-05 17:25:29<br>77-05 17:25:29<br>77-06 00:41:11<br>77-05 17:28:05<br>77-05 17:31:54<br>77-05 18:35:46<br>77-06 11:55:28<br>77-04 16:49:35<br>94-17 21:50:33  | e gateway               | 7.<br>15 minutes<br>Registered<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062           | after discovery         |
| Power Source:<br>Gateway Specific<br>Details:<br>Stop Discovery<br>Press 'discovery' butt<br>Click on 'Stop Discovery'<br>started.<br>Name<br>Contact A000103<br>Contact A000006<br>AlarmKeypad 2000007<br>AlarmKeypad 200007<br>AlarmKeypad 2000007<br>AlarmKeypad 200007<br>AlarmKeypad 2000007<br>AlarmKeypad 200007<br>AlarmKeypad 200007<br>AlarmKeyp | Discovery in pr<br>on on all wireless<br>ery' button when<br>0043<br>0037<br>3<br>0ff<br>Up<br>Up<br>10.1.1.72<br>YES - via Source<br>10.1.1.51<br>10.10.13.15<br>-<br>32000<br>60<br>10                  | AC Ogress s devices one done or gate Device Class 0102 0102 0102 0102 0103 0106 0106 0106 0608 0701 Header IP Header IP  | at a time to<br>way will stop<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(<br>2012-(                     | register with the<br>discovery autol<br>(agistered [GMT<br>17-05 17:25:29<br>17-05 17:25:29<br>17-05 17:25:29<br>17-06 00:41:11<br>17-05 17:28:05<br>17-05 17:31:54<br>17-05 18:35:46<br>17-05 18:35:46<br>17-04 16:49:35<br>14-17 21:50:33  | e gateway               | 7.<br>15 minutes<br>Registered<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062<br>ah0062           | after discovery         |



When the DLC is in the Discovery mode, the DLT can then proceed with installing and discovering devices. As devices are discovered and registered, they will appear on the screen. The DLT can take the DLC out of the Discovery mode by selecting Stop Discovery.

If the DLT wants to label or change the label on a specific device, the DLT can select the Devices tab, which will return to the Devices screen as depicted in Figure 17.

| ACCOUNTS                                |                         | DEVICES               | SUBSCRIPTIONS                 | LOGOUT                |         |
|---|-------------------------|-----------------------|-------------------------------|-----------------------|---------|
| Accounts: 51039> De                     | vices                   |                       |                               | •ONLINE •OFFLINE•     | UNKNOWN |
| Information Devices Quotas User         | s Notification Profiles |                       |                               |                       |         |
| Name                                    | Device Class            | Subscription ID (CTN) | Last Contact/Event Time [GMT] | Date Registered [GMT] | Delete  |
| • Gateway 2B:E9                         | Appliance/Gateway       | 4044997224            | 2012-07-03 22:42:50           | 2012-03-09 02:51:28   |         |
| Contact A000103                         | Contact Sensor          |                       |                               | 2012-06-25 19:21:49   | Delete  |
| Contact A00012C                         | Contact Sensor          |                       |                               | 2012-06-28 16:18:28   | Delete  |
| Virtual Device 00                       | Contact Sensor          |                       |                               | 2012-05-29 16:37:33   | Delete  |
| Virtual Device 01                       | Contact Sensor          |                       |                               | 2012-05-31 15:32:42   | Delete  |
| <ul> <li>AlarmKeypad 2000007</li> </ul> | Alarm Keypad            |                       |                               | 2012-07-03 15:10:57   | Delete  |
| Alarm Manager                           | Xanboo Alarm Panel      |                       |                               | 2012-04-17 21:50:33   | Delete  |
|   |                         |                       |                               |                       |         |
|   |                         |                       |                               |                       |         |
|   |                         |                       |                               |                       |         |
|   |                         |                       |                               |                       |         |

Figure 17: DLD—Devices Screen

The DLT can select the specific device that he wants to re-label as depicted in Figure 18 by selecting the "Edit" button.

#### Figure 18: DLD—Specific Device Screen

| ACCOUNTS                            | DEVICES                                    | SUBSCRIPTIONS | LOGOUT                   |
|-------------------------------------|--|---------------|--------------------------|
| Accounts: 51039> Device             | Details                                    |               | •ONLINE •OFFLINE•UNKNOWN |
| Information Devices Quotas Users No | tification Profiles                        |               |                          |
| Device Information                  |  |               |                          |
| Name:                               | AlarmKeypad 2000007 Edit                   |               |                          |
| Catalog ID: (                       | D100E0608000004                            |               |                          |
| Gateway GUID: (                     | C6B95ACBF52E454E802F690635CE488D           |               |                          |
| Device GUID:                        | KP02000007                                 |               |                          |
| Hardware Serial Number: 0           | 02000007                                   |               |                          |
| Firmware Version: 2                 | 2.3.26/3.0.10                              |               |                          |
| Software Version:                   |  |               |                          |
| Last Event: 2                       | 2012-07-03 22:38:48 [GMT]                  |               |                          |
| Date Registered: 2                  | 2012-07-03 15:10:57 [GMT]                  |               |                          |
| Registered By: L                    | _ocalUI                                    |               |                          |
| F<br>Location Code: F               | Floor: N/A Edit<br>Room: N/A<br>Egress:N/A |               |                          |
| Battery Level:                      | 10%  |               |                          |
| Power Source:                       | AC Powered                                 |               |                          |
| Signal Strength: [                  | Disabled/NA Enable                         |               |                          |
|                                     |  |               |                          |



#### 3.3 Administer DLC Features

The administration of DLC features is accomplished by accessing the "Alarm Manager Information" on the "Devices" tab in DLD, as shown in Figure 19.

|                                | R SUPPORT INTERFACE  |  |  | Login Level: 1<br>Domain: DL  |
|--------------------------------|--|--|--|---|
| ACCOUNTS                       | DEVICES  | SUBSCRIPTI   | ONS  | LOGOUT  |
| Accounts: 51039> De            | vice Details   |  | • ONLII  | NE • OFFLINE• UNKNOWN   |
| Information Devices Quotas Use | rs Notification Profiles   |  |  |   |
| Device Information             |  |  |  |   |
| Name:                          | Alarm Manager E  | dit  |  |   |
| Catalog ID:                    | 000010701000004  |  |  |   |
| Gateway GUID:                  | C6B95ACBF52E454E80   | 2F690635CE488D   |  |   |
| Device GUID:                   | AM0000004  |  |  |   |
| Hardware Serial Number:        | 0000004  |  |  |   |
| Firmware Version:              | fw: ?  |  |  |   |
| Software Version:              | sw: ?  |  |  |   |
| Last Event:                    | 2012-07-06 14:42:13  | [GMT]  |  |   |
| Date Registered:               | 2012-04-17 21:50:33  | [GMT]  |  |   |
| Registered By:                 | Customer/Self Install  |  |  |   |
|                                |  |  |  |   |
| Alarm Management Information   |  |  |  |   |
| System Status:                 | Disarmed/HOME Ar   |  | av   |   |
| Bypass Device List:            | None   |  |  |   |
| Security/Duress Code:          | ****/**** Edit   |  |  |   |
| Entry Delay:                   | 30 secs Edit   |  |  |   |
| Exit Delay:                    | 45 secs  |  |  |   |
| Abort Delay:                   | 15 secs  |  |  |   |
| Alarm Timeout:                 | 5 Min Edit   |  |  |   |
| Cross Zoning Delay:            | 5 secs   |  |  |   |
| Swinger Shutdown:              | 4 Edit   |  |  |   |
| AM Flags:                      | Exit time restart en<br>Abort sound on/off<br>Chirp on entry/exit<br>Enable cross zone 2<br>device<br>Enable Swinger Shu | able<br>door/open close<br>2nd trigger by same<br>tdown                                    | Auto Stay on<br>enable<br>Cancel sound<br>V Chirp on non-<br>Enable Fire A<br>Change | Unvacated Premise<br>on/off<br>entry/exit open close<br>larm Verification |
| Armed Away Device List:        | <ul> <li>Contact A000103</li> <li>Virtual Device 00</li> <li>Motion 4FFFFE4</li> </ul>                                   | <ul> <li>✓ Contact</li> <li>○ Virtual D</li> <li>✓ Glass bre</li> <li>Change</li> </ul>    | A00012C<br>evice 01<br>eak sens 900003   | 7   |
| Armed Stay Device List:        | Contact A000103     Virtual Device 00     Motion 4FFFFE4   | <ul> <li>✓ Contact</li> <li>⊂ Virtual D</li> <li>✓ Glass breact</li> <li>Change</li> </ul> | A00012C<br>evice 01<br>eak sens 900003   | 7   |
| Entry Device List:             | Contact A000103  | Contact Virtual D Change   | A00012C<br>evice 01  |   |
| Camera Exclusion List:         | None   |  |  |   |

#### Figure 19: DLD— Alarm Manager Information



Table 1 contains a mapping of UL required features to DLD administration features.

**NOTE:** Table 1 mapping reference is SIA CP-01 2010.

|           | Digital Life<br>Direct  |                  |            |  |
|-----------|---|------------------|------------|--|
| Paragraph | Feature   | Settings         | Default    | Feature  |
| 4.2.2.1   | Exit Time   | 45-120 seconds   | 60 seconds | Exit Delay   |
| 4.2.2.2   | Progress Annunciation/<br>Disable for Silent Exit                   | Enabled/Disabled | Enabled    | Not supported  |
| 4.2.2.3   | Exit Time Restart   | Enabled/Disabled | Enabled    | Exit time restart enable                               |
| 4.2.2.5   | Auto Stay Arm on<br>Unvacated Premises                              | Enabled/Disabled | Enabled    | Auto Stay on<br>Unvacated<br>Premises enable           |
| 4.2.4.4   | Exit Time and Progress<br>Annunciation/ Disable -<br>for Remote Arm | Enabled/Disabled | Enabled    | Not<br>Supported                                       |
| 4.2.3.1   | Entry Delay   | 30-240 seconds   | 30 seconds | Entry Delay  |
| 4.2.5.1   | Abort Window – for Non-<br>Fire Zones (Windows)                     | Enabled/Disabled | Enabled    | Set Abort Delay<br>feature to zero (0)<br>setting      |
| 4.2.5.1   | Abort Window Time – for<br>Non-Fire Zones<br>(Windows)              | 0-45 seconds     | 30 seconds | Abort Delay  |
| 4.2.5.1.2 | Abort Annunciation  | Enabled/Disabled | Enabled    | Abort Sound<br>On/Off                                  |
| 4.2.5.4   | Cancel Window   | Enabled/Disabled | Enabled    | Alarm Timeout, 3-<br>60 min settings,<br>default 5 min |
| 4.2.5.4.1 | Cancel Annunciation   | Enabled/Disabled | Enabled    | Cancel Sound<br>On/Off                                 |

#### Table 1: UL to DLD Features Mapping

# digital*life*

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|                      |                                   | Digital Life<br>Direct |   |  |
|----------------------|-----------------------------------|------------------------|---|--|
| Paragraph            | Feature                           | Settings               | Default                                   | Feature  |
| 4.2.6.1 &<br>4.2.6.2 | Duress Feature                    | Enabled/Disabled       | Disabled                                  | Duress Code<br>Located Under<br>Alarm Manager<br>Information |
| 4.3.1                | Cross Zoning                      | Enabled/Disabled       | Disabled                                  | Set per device<br>and disabled by<br>default                 |
| 4.3.1                | Programmable Cross<br>Zoning Time | 1-30 seconds           | Per walk path<br>in protected<br>premises | System Level<br>Cross Zoning<br>Delay                        |
| 4.3.2                | Swinger Shutdown                  | 1-6 trips              | 2 trips                                   | Swinger<br>Shutdown  |
| 4.3.2                | Swinger Shutdown<br>Disable       | Enabled/Disabled       | Enabled                                   | Enable Swinger<br>Shutdown                                   |
| 4.3.3                | Fire Alarm Verification           | Enabled/Disabled       | Disabled                                  | Enable Fire Alarm<br>Verification                            |

The Alarm Manager administrative features are listed below:

#### 3.3.1 Security/Duress Code

- 1. In order to enter a Security Code and/or a Duress Code, click the "Edit" button.
- 2. Enter a four (4) digit Security Code in the Security field and/or enter a four (4) digit Duress Code in the Duress Code field.
- 3. Click the "Set Code" button.
- 4. Verify that the desired change(s) has been made

#### 3.3.2 Entry Delay

- 1. In order to change the Entry Delay Time, click the "Edit" button on the Entry Delay line.
- 2. Use the drop-down menu to select the desired Entry Delay Time.



- 3. Click the "Change" button.
- 4. Verify that the desired change has been made.

#### 3.3.3 Exit Delay

- 1. In order to change the Exit Delay Time, click the "Edit" button on the Exit Delay line.
- 2. Use the drop-down menu to select the desired Exit Delay Time.
- 3. Click the "Change" button.
- 4. Verify that the desired change has been made.

#### 3.3.4 Abort Delay

- 1. In order to change the Abort Delay Time, click the "Edit" button on the Abort Delay line.
- 2. Use the drop-down menu to select the desired Abort Delay Time.
- 3. Click the "Change" button.
- 4. Verify that the desired change has been made.

#### 3.3.5 Alarm Timeout

- 1. In order to change the Alarm Timeout Time, click on the "Edit" button on the Alarm Timeout line.
- 2. Use the drop-down menu to select the desired Alarm Timeout Time.
- 3. Click the "Change" button.
- 4. Verify that the desired change has been made.

#### 3.3.6 Cross Zoning Delay

- 1. In order to change the Cross Zoning Delay, click the "Edit" button on the Cross Zoning Delay line.
- 2. Use the drop-down menu to select the desired Cross Zoning Delay.
- 3. Click the "Change" button.
- 4. Verify that the desired change has been made.



#### 3.3.7 Swinger Shutdown

- 1. In order to change the Swinger Shutdown Trips, click the "Edit" button on the Swinger Shutdown line.
- 2. Use the drop-down menu to select the desired Swinger Shutdown Trips.
- 3. Click the "Change" button.
- 4. Verify that the desired change has been made.

#### 3.3.8 Exit Time Restart Enable

- 1. In order to activate Exit Time Restart, in the AM (Alarm Manager) Flags section, select the "Exit time restart enable" box and a checkmark will appear in the box.
- 2. Click the "Change" button.
- 3. Verify that the desired change has been made.

#### 3.3.9 Abort Sound On/Off

- 1. In order to Abort Sound, in the AM Flags section, click the "Abort sound on/off" box and a checkmark will appear in the box.
- 2. Click the "Change" button.
- 3. Verify that the desired change has been made.

#### 3.3.10 Chirp on Entry/Exit Door/Open Close

- In order to activate Chirp on Entry/Exit Door/Open Close, in the AM Flags section, click the "Chirp on entry/exit open close" box and a checkmark will appear in the box.
- 2. Click the "Change" button.
- 3. Verify that the desired change has been made.

#### **3.3.11 Enable Cross Zone 2<sup>nd</sup> Trigger by Same Device**

- 1. In order to Enable Cross Zone 2<sup>nd</sup> Trigger by Same Device, in the AM Flags section, click the "Enable Cross Zone 2<sup>nd</sup> Trigger by Same Device" box and a checkmark will appear in the box.
- 2. Click the "Change" button.





3. Verify that the desired change has been made.

#### 3.3.12 Enable Swinger Shutdown

- 1. In order to Enable Swinger Shutdown, in the AM Flags section, click the "Enable Swinger Shutdown" box and a checkmark will appear in the box.
- 2. Click the "Change" button.
- 3. Verify that the desired change has been made.

#### 3.3.13 Auto Stay on Unvacated Premises Enable

- 1. In order to activate Auto Stay on Unvacated Premises, in the AM Flags section, click the "Auto Stay on Unvacated Premises enable" box and a checkmark will appear in the box.
- 2. Click the "Change" button.
- 3. Verify that the desired change has been made.

#### 3.3.14 Cancel Sound On/Off

- 1. In order to Cancel Sound, in the AM Flags section, click the "Cancel sound on/off" box and a checkmark will appear in the box.
- 2. Click the "Change" button.
- 3. Verify that the desired change has been made.

#### 3.3.15 Chirp on Non-Entry/Exit Open Close

- 1. In order to Chirp on Non-Entry/Exit Open Close in the AM Flags section, click the "Chirp on non-entry/exit open close" box and a checkmark will appear in the box.
- 2. Click the "Change" button.
- 3. Verify that the desired change has been made.

#### 3.3.16 Enable Fire Alarm Verification

- 1. In order to Enable Fire Alarm Verification, in the AM Flags section, click the "Enable Fire Alarm Verification" box and a checkmark will appear in the box.
- 2. Click the "Change" button.

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3. Verify that the desired change has been made.

#### WARNING!

The DLS supports Fire Alarm Verification for use with smoke detectors which can be utilized to delay the transmission of a smoke alarm to the AT&T Digital Life Central Monitoring Center. When smoke is detected, the alarm sounds a loud temporal 3 local alarm. Twenty (20) seconds after the local alarm sounds, the built-in transmitter sends a digitally coded wireless signal to the DLC. The wireless signal will be repeated every 20 seconds as long as smoke is still present. In order to reduce the likelihood of reporting false smoke alarms, the Fire Alarm Verification feature can be used. If the Fire Alarm Verification feature is enabled, the DLC waits for two smoke detector signals within 25 seconds before a smoke alarm is reported to the AT&T Digital Life Central Monitoring Center.

In addition to the photoelectric detector, the unit contains an integrated fixed 135° temperature and rate-of-rise heat sensor that will send an alarm signal based on temperature detected.

#### 3.4 Troubleshooting Wireless Devices

DLD can be utilized the by a DLT to assist in troubleshooting issues that may arise during the installation of a wireless device or devices, such as window/door sensors and keypads. Within DLD the DLT can enable the monitoring of received wireless signal strength in the DLC for selected wireless device or devices. The possible values are presented from highest signal strength to lowest signal strength:

- Unacceptable (Too Hot)
- Best
- Good
- Acceptable
- Low
- Weak

These values apply to both 433MHz and 915MHz devices. In general, if a DLT observes a Signal Strength of "Low", the DLT will install a repeater.

As depicted in Figure 20, Figure 21 and Figure 22 under the Devices tab the DLT will select the Device Information screen for the specific wireless device that they want to troubleshoot and enable Signal Strength monitoring on the DLC. The DLT can repeat the steps for other devices.



Figure 20: Enabling Signal Strength Monitoring

| Execute:::::::::::::::::::::::::::::::::::   |                                | DEVICES                          | SUBSCRIPTIONS | SYSTEM USERS | LOGOUT         |
|--|--------------------------------|----------------------------------|---------------|--------------|----------------|
| SetUre | Accounts: 51039> De            | avice Details                    |               |              |                |
| Softwards ( versel ( versel ( versel ) versel )         Versel ( versel )         Versel ( versel )         Versel )           Name:         Certext 4000000   Edit           Edit           Certext 4000000           Certext 400000           Certext 4000000           Certext 4000000           Certe   | -                              |                                  |               |              | ONLINE OFFLINE |
| Device information           Name:         Cottact 4000103         Edit           Catalog ID         01005000004         Edit           Catalog ID         0005000004         Edit           Sateway (VID):         C685xC69528454800095085054840         Edit           Device (VID):         S00400103         Edit           Kardawa Sani Number:         04000103         Edit           Sateway Version:         -         -           Sateway Version:         -         -           Sate Registered:         2012/06-25 19-21:46 (0HT]         -           Registered Sy:         Localu         -           Location Code:         Roor: Man/Las Registered         -           Costas Do 1         -         -           Cross Zoning:         Cinicated Codes         Edit   | formation Devices Quotas Users | Notification Profiles            |               |              |                |
| Name:         Cerat A0003         Edit           Catalog JD:         9100510200004         9100510200004           Sateray FullC:         CetaSerSet-442802769083024880         CetaSerSet-442802769083024880           Device GUD1         CetaSerSet-442802769083024880         CetaSerSet-442802769083024880           Device GUD1         S0400103         Finaard Vericin           Software Vericin:         0.400103         Finaard Vericin           Software Vericin:         Last Exercit         Device Cuto Pericin           Date Registered:         2012-06-25 19-23149 (ottT]         CetaSerSet Pericin           Date Registered:         2012-06-25 19-23149 (ottT]         CetaSerSet Pericin           Locabul         CetaSerSet Pericin         Exercit Pericin           Costs Costing:         Fiscer Han'135 Floor         Edit   | Device Information             |                                  |               |              |                |
| Catalog JD:         0105810200004           Satemay GuID:         C6885ACBF32E454820596033CE4880           Device GUID:         SD0A00103           Hardware Senal Number:         0400103           Hardware Senal Number:         0400103           Software Version:         1.0           Software Version:         1.0           Software Version:         1.0           Software Version:         1.0           Date Reparend:         010:06-35 19:21:48 (GNT)           Registered By:         LoceNUT           LoceSoft Nord Reparend:         010:06-35 19:21:48 (GNT)           Registered By:         LoceNUT           LoceSoft Nord Reparend:         010:06-35 19:21:48 (GNT)           Registered By:         LoceNUT           LoceSoft Nord Reparend:         Software Version:           LoceSoft Nord Reparend:         LoceNUT           LoceSoft Nord Reparend:         Software Version:           Zenstron Loving Reparend:         Software Version:           Cross Zonng:         FileNet Marka Reparend:           Software Version:         Software Version:  | Names                          | Contact A000103 Edit             |               |              |                |
| Gate avg VulD:         C6859xC6952645480027690035CF4880           Device VulD:         SD0A00103           Hardrack Sein Number:         0A00103           Softwart Version:         1.0           Softwart Version:         Softwart Version:           Softwart Version:         Softwart Version:           Date Registered:         2012-06-25 19-21:48 (0NT)           Registered Sy:         Coslul           Date Registered:         Coslul           Location Code:         Room Han/Tash For Edel<br>Room Softwart           Cruss Zoning:         Flores Han/Tash For Edel<br>Room Softwart   | Catalog IO:                    | 0100E0102000004                  |               |              |                |
| Device QUDi         SDA00030           Randware Senal Number:         04000103           Randware Senal Number:         04000103           Software Version:         1.0           Software Version:         1.0           Date Registred:         2012-06-25 (9:021)/48 (0HT)           Costa Registred:         2012-06-25 (9:021)/48 (0HT)           Costa Registred:         Software Registred:           Costa Registred:         Software Registred:           Costa Registred:         Software Registred:           Software Registred:         Software Registred:   | Gateway GUID:                  | C6895AC8F52E454E802F890635CE4880 |               |              |                |
| Hardsars Senäl Number:         0.4000103           Ermunar Verlion:         1.0           Software Verlion:  | Device GUID:                   | SD0A000103                       |               |              |                |
| Firmmane Version:         1.0           Software Version:  | Hardware Senal Number:         | 0A000103                         |               |              |                |
| Softwark Version:         Last Event:           Last Event:         Dat Registered:           Dat Registered:         2012-06-25 (\$4:2148) [OHT]           Registered:         Local/L           Cocalon:         Proor Main/List Floor Edit           Approximation:         Proor Main/List Floor Edit           Cocasi:         Registered:           Softwark:         Circle Edit           Cocas:         Circle Edit           Softwark:         Circle Edit           Cocas:         Circle Edit           Softwark:         Softwark   | Firmware Version:              | 1,0                              |               |              |                |
| Last Event:<br>Date Registered: 2012-06-25 (54:21)49 (OFT)<br>Registered By: LocalU,<br>Location Code: Room Han/1st Room Edk<br>Location Code: Room Living Room<br>Egress/Door 1<br>Cross Zoning: Clisibled (Change)   | Software Version:              |                                  |               |              |                |
| Date Replarend:     2012-06-25 (\$9:21:46 (GNT)       Registered By:     Localut       Location Code:     Room (Han (1st Room Redat))       Cross Zoring:     Fibracted (change)       Staturu Lendi     Sobie   | Last Event:                    |                                  |               |              |                |
| Registered Byr         Local/L           Ploor Main/Lst Rior Edit         Ploor Main/Lst Rior Edit           Localion Code:         Romit Vining Rom           Byress/Door 1         Egress/Door 1           Criss Zoning:         Ploitelid (change)           Batro Level         90%  | Date Registered:               | 2012-05-25 19:21:49 (GMT)        |               |              |                |
| Location Code: Room: Living Room<br>Egress:Door 1<br>Cross Zoning: Classified Change<br>Sattery Level: Obs   | Registered By:                 | LocalUI                          |               |              |                |
| Lacation Cade: Room: Living Room<br>Egress:Door 1<br>Cross Zoning: Classed Change  |                                | Floor: Main/1st Floor Edit       |               |              |                |
| Egress/Dop/1 Cross/2oring: Clickled [change] Statry Lorel: 90%   | Location Code:                 | Room: Living Room                |               |              |                |
| Cross Zoning: Disabled Change  |                                | Egress:Door 1                    |               |              |                |
| Batery Level: 90%  | Cross Zoning:                  | Cosabled Change                  |               |              |                |
|  | Battery Level:                 | 90%                              |               |              |                |
| Signal Strength: Disabled/NA Enable  | Signal Strength:               | Disabled/NA Enable               |               |              |                |
|  |                                |                                  |               |              |                |

#### Figure 21: Signal Strength Monitoring Alert

| Name:                   | Contact A000103   | lessage from webpage  |
|-------------------------|---|---|
| Catalog ID:             | 0100E0102000004   |   |
| Gateway GUID:           | C6B95ACBF52E454E802   | A This will start polling and refreshing Signal Strength value for this |
| Device GUID:            | SD0A000103  | device.   |
| Hardware Serial Number: | 0A000103  |   |
| Firmware Version:       | 1.0   |   |
| Software Version:       |   | OK  |
| Last Event:             | C.  |   |
| Date Registered:        | 2012-06-25 19:21:49 [GM]                                      | 1   |
| Registered By:          | LocalUI   |   |
| Location Code:          | Floor: Main/1st Floor E<br>Room: Living Room<br>Egress:Door 1 | dit   |
| Cross Zoning:           | Disabled Change   |   |
| Battery Level:          | 90%   |   |
| Signal Strength:        | Disabled/NA Enable  |   |



Figure 22: Signal Strength Monitoring

| KANBOO CUSTOR          | IER SUPPORT INTERFACE   |               |              | Login Level: 0<br>Domain: DL |
|------------------------|---|---------------|--------------|------------------------------|
| ACCOUNTS               | DEVICES   | SUBSCRIPTIONS | SYSTEM USERS | LOGOUT                       |
| Accounts: 51039> 0     | evice Details   |               |              | •ONLINE •OFFLINE•UNKNOWN     |
| Device Information     | Neoncation Provies  |               |              |                              |
| Name:                  | Contact A000103 Edit  |               |              |                              |
| Catalog ID:            | 0100E0102000004   |               |              |                              |
| Gateway GUID:          | C6895AC8F52E454E802F690635CE488D                                    |               |              |                              |
| Device GUID:           | SD0A000103  |               |              |                              |
| Hardware Senal Number: | CA030103  |               |              |                              |
| Firmware Version:      | 1.0   |               |              |                              |
| Software Version:      |   |               |              |                              |
| Last Event:            |   |               |              |                              |
| Date Registered:       | 2012-05-25 19:21:49 [GMT]   |               |              |                              |
| Registered By:         | Localut   |               |              |                              |
| Location Code:         | Floor: Main/1st Floor (Edit.)<br>Room: Living Room<br>Egress:Door 1 |               |              |                              |
| Cross Zoning:          | Disabled Change   |               |              |                              |
|                        | 90%   |               |              |                              |
| Battery Level:         |   |               |              |                              |

If the wireless signal that is being monitored by the DLC is being repeated, such as by a 433MHz Repeater then the Signal Strength indicator will include a notation that the signal is being repeated as is depicted in Figure 23.

|                                  | MER SUPPORT INTERFACE   |               |              | Login Level: 0<br>Domain: DL |
|----------------------------------|---|---------------|--------------|------------------------------|
| ACCOUNTS                         | DEVICES   | SUBSCRIPTIONS | SYSTEM USERS | LOGOUT                       |
| Accounts: 51039» D               | evice Details   |               |              | CONTINE CONTINUE             |
| Information Devices Quotas Users | Notification Profiles   |               |              |                              |
| Device Information               |   |               |              |                              |
| Name:                            | Contact A000103 Edit  |               |              |                              |
| Catalog ID:                      | 0100E0102000004   |               |              |                              |
| Gateway GUID:                    | C6B95AC8F52E454E802F690635CE488D                                  |               |              |                              |
| Device GUID:                     | SD0A000103  |               |              |                              |
| Hardware Serial Number:          | 0A000103  |               |              |                              |
| Firmware Version:                | 1.0   |               |              |                              |
| Software Version:                |   |               |              |                              |
| Last Event:                      |   |               |              |                              |
| Date Registered:                 | 2012-06-25 19:21:49 [GMT]   |               |              |                              |
| Registered By:                   | LocalUI   |               |              |                              |
| Location Code:                   | Floer: Main/1st Floer Edit.<br>Room: Living Room<br>Egress:Door 1 |               |              |                              |
| Cross Zoning:                    | Disabled Change   |               |              |                              |
| Battery Level:                   | 90%   |               |              |                              |
| Signal Strength:                 | Best(Repeated) Disable  |               |              |                              |
|                                  |   |               |              |                              |

#### Figure 23: Signal Strength Monitoring for a Repeated Signal

It is recommended that the DLT disable Signal Strength Monitoring, after wireless troubleshooting has been completed.



# 4 Digital Life Controller (DLC) Cabinet and Internal Components

The DLC Cabinet will be wall mounted in a closet, utility room or basement similar to a traditional security system and be adjacent to an AC power outlet. The cabinet is made of plastic and features a primary door and a secondary battery compartment door. When the DLC Cabinet is installed in a customer's home, the following components will already have been installed in the cabinet. (See Figure 24.)

- DLC Controller Board is the central device in the Premises Platform and is equipped with a microprocessor, RAM and an Ethernet Switch with a WAN port and four LAN ports.
- AT&T Cellular Data Service Module is a cellular data modem that provides connection to AT&T Cellular Data Service.
- 433/915MHz Transceiver Module is a dual frequency transceiver that is equipped with a one-way 433MHz proprietary radio receiver and a two-way 915MHz proprietary transceiver and used to communicate with the one-way 433MHz and two-way 915MHz devices in the home.
- Wi-Fi Module is an 802.11/b/g/n compliant access point and can be used in conjunction with Wi-Fi installed IP cameras.
- Z-Wave Module is a Z-Wave 908MHz transceiver that operates in conjunction with software operating on the DLC to enable the DLC to function as a Z-Wave controller.
- Shipping Tray used to prevent the DLC card from sliding off the two (2) mounting points. The Shipping Tray must be removed at time of installation. (See Figure 25.)





Figure 24: AT&T Digital Life Controller Cabinet and Internal Components





Figure 25: DLC Cabinet with Shipping Tray

At the time of installation the DLT will install the 24-hour battery backup in the cabinet.



# **5** System Installation

During the installation process, initially the DLT determines where to install the DLC cabinet. The DLT will measure AT&T Cellular Data Service signal strength at various locations in the home using an application installed on their wireless tablet device. The DLT will take into consideration AT&T Cellular Data Service strength measurements when determining where to install the cabinet. An AC power outlet must be in the proximity of the DLC. After identifying the DLC installation location, the DLT will install the DLC AC-to-AC Adapter with Integrated HPAV functionality at the planned location.

**NOTE:** DO NOT connect the DLC Cabinet to an AC power outlet that is controlled by a switch.

Next, the DLT will go to the location of the customer's Broadband Home Router (BHR) and install a HomePlug AV (HPAV) to Ethernet Bridge and establish an Ethernet connection with the BHR using a Cat5 cable. The DLT will verify that there is a HPAV network connection between the HPAV to Ethernet Bridge at the customer's BHR and the DLC AC-to-AC Adapter with Integrated HPAV at the planned location of the installation of the DLC Cabinet. Afterwards, the DLT will return to the planned location for the installation of the DLC Cabinet and proceed with the installation of the cabinet. This step includes terminating the power and data cabling on the adapter and in the DLC cabinet.

In summary, there are the nine (9) steps for installing the DLC Cabinet:

- 1. Check AT&T Cellular Data Service signal strength
- 2. Install DLC AC-to-AC Adapter with Integrated HPAV at location of DLC Cabinet
- 3. Install HPAV to Ethernet Bridge at the customer's BHR
- 4. Observe LEDs
- 5. Establish Ethernet Connection to Customer's BHR
- 6. Observe LEDs
- 7. Return to Location of DLC Cabinet
- 8. Install the DLC
- 9. Terminate data and power on the DLC AC-to-AC Adapter with Integrated HPAV and the DLC



#### **STEP 1.** Check AT&T Cellular Data Service signal strength.

#### Action

- 1. Check AT&T Cellular Data Service signal strength in the home and select the location for the installation of the DLC Cabinet.
- 2. The DLT will take measurements of AT&T Cellular Data signal strength at various locations in the home using an application executing on their wireless tablet device. The DLT will take into consideration AT&T Cellular Data Service signal strength measurements when determining where to install the cabinet.

| Action   | Illustration(s) |
|--|-----------------|
| At the installation location for the DLC<br>Cabinet, plug the DLC AC-to-AC Adapter<br>with Integrated HPAV into the AC power<br>outlet and the green 16VAC LED will be<br>SOLID. |                 |
| <b>NOTE:</b> DO NOT connect the AC-to-AC<br>Adapter with Integrated HPAV to an AC<br>power outlet that is controlled by a<br>switch.   |                 |

#### **STEP 2.** Install DLC AC-to-AC Adapter with Integrated HPAV.



#### **STEP 3.** Install HPAV to Ethernet Bridge.

| Action   | Illustration(s)   |
|--|---|
| Locate the customer's<br>Broadband Home Router (BHR)<br>and plug the HPAV to Ethernet<br>Bridge into an AC power outlet.   |   |
| <b>NOTE:</b> Both the Power and PLC<br>Link LEDs should illuminate on<br>the HPAV to Ethernet Bridge<br>Device with the Power LED solid<br>green and the PLC Link LED<br>blinking green. | Power LED<br>PLC Link LED<br>Ethernet LED   |
|  | Power LED • SOLID – Device is receiving electrical  |
|  | <ul> <li>Blinking – Device is restarting or setting up<br/>security</li> </ul>                                  |
|  | <ul> <li>OFF – Device is not receiving electrical<br/>power</li> </ul>  |
|  | PLC Link • SOLID – HPAV network is established with other devices in the same network                           |
|  | <ul> <li>Blinking – Data traffic exists over the HPAV<br/>network</li> </ul>                                    |
|  | <ul> <li>OFF – Device has not found any<br/>compatible HPAV device using the same<br/>encryption key</li> </ul> |
|  | Ethernet<br>LED • SOLID – Ethernet port is linked, but no<br>data traffic exists                                |
|  | <ul> <li>Blinking – Ethernet port is linked and data<br/>traffic exists over the Ethernet port</li> </ul>       |
|  | OFF – No Ethernet connection exists   |



## **Installation and Operations Manual**

| Action | Illustration(s)  |
|--------|--|
|        | <image/>   |
|        | <ul> <li>The functionality for each pushbutton is described below:</li> <li>Security Pushbutton – Used for security pairing between devices</li> <li>Factory Default Pushbutton – Used for resetting device to factory default settings</li> </ul> |

#### **STEP 4.** Observe LEDs.

#### Action

Observe the three LEDs on the HPAV to Ethernet Bridge and the green Power LED and green PLC Link LED should illuminate confirming the there is a HPAV network connection over the in-home electrical wiring system between the HPAV to Ethernet Bridge and the DLC AC-to-AC Adapter with Integrated HPAV.



#### **STEP 5.** Establish Ethernet Connection to Customer's BHR.

#### Action

Install a Cat5/Ethernet cable between the HPAV to Ethernet Bridge and a port on the customer's BHR.

#### **STEP 6.** Observe LEDs.

#### Action

All three green LEDs on the HPAV to Ethernet Bridge should be illuminated indicating that the HPAV to Ethernet Bridge has an Ethernet connection to the customer's BHR and there is a HPAV network connection over the in-home electrical wiring system between the HPAV to Ethernet Bridge and the DLC AC-to-AC Adapter with Integrated HPAV. The Power LED should be solid green, the PLC Link should be flashing green and the Ethernet LED should be flashing green.

#### **STEP 7.** Return to Location of DLC Cabinet.

#### Action

Return to the location of the installation of the DLC Cabinet and unplug the DLC AC-to-AC Adapter with Integrated HPAV unit from the AC power outlet.

#### **STEP 8.** Install DLC Cabinet and DLC AC-to-AC Adapter with Integrated HPAV.

#### Action

Proceed with the installation of the cabinet and the DLC AC-to-AC Adapter with Integrated HPAV unit.

**STEP 9.** Terminate data and power on the DLC AC-to-AC Adapter with Integrated HPAV and the DLC



#### 5.1 DLC AC-to-AC Adapter with Integrated HPAV Connection

AT&T

digital*life* 

The DLC cabinet is connected to AC power via an AC-to-AC Adapter with Integrated HPAV, as shown in Figure 26.

# Figure 26: DLC Cabinet Connection to AC Power using AC-to-AC Adapter with HPAV Connection



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#### 5.1.1 Connecting the AC-to-AC Adapter with Integrated HPAV to the DLC Cabinet

Follow these steps to connect the AC-to-AC Adapter with integrated HPAV to the DLC Cabinet:

| Ac | tion   | Illustration   |  |
|----|--|--|--|
| 1. | Mount the HPAV to the wall, if<br>applicable. Anchor to screws in<br>the wall as shown.  | Concrete, Wood,<br>or Drywall<br>Screw<br>Mounting<br>Screws<br>(10 cm)<br>Holes |  |
| 2. | . Connect the DLC HPAV Device to a power outlet.   |  |  |
|    | NOTE: The Power LED should turn solid green.   |  |  |
|    | <b>NOTE:</b> The WAN Port on the DLC should be connected to the Ethernet port on the HPAV Device.  |  |  |
| 3. | <ul> <li>If the customer has an existing home broadband router, go to the router and connect an HPAV Device to a nearby power outlet.</li> <li>NOTE: Both the Power and PLC LEDs should turn solid green.</li> </ul> |  |  |
| 4. | <ol> <li>Connect an Ethernet cable from the HPAV Device to an available Ethernet port on<br/>the home broadband router.</li> </ol>   |  |  |
|    | <b>NOTE:</b> The Ethernet LED on the HPAV Device should turn solid green, and then will blink green indicating Ethernet connectivity over the HPAV network (only when there is Ethernet traffic).                    |  |  |



| Action | Illustration |
|--------|--------------|
|--------|--------------|

5. Go to each remaining location where you want to establish a network connection, and connect an HPAV Device to an available power outlet.

**NOTE:** Each time you plug in a subsequent HPAV Device, ensure that the Power and PLC LEDs turn solid green. When you plug the Ethernet device into the HPAV device, the Ethernet LED will turn green, and then blink green to indicate activity.

#### 5.1.2 Connecting the AC-to-AC Adapter with Integrated HPAV to the DLC Cabinet

Follow these steps to connect the AC-to-AC Adapter with integrated HPAV to the DLC Cabinet:

| Ac       | tion   | Illustration   |
|----------|--|--|
| 1.<br>2. | Unplug the power cord<br>Connect the low-voltage wires<br>to the terminals on the back of<br>the adapter.          | AC Power<br>Cord from<br>AC Power<br>Outlet<br>Utlet<br>Cat5/Ethernet<br>Cable to<br>DLC Cabinet |
| 3.       | Connect the opposite end of the<br>low-voltage wires to the<br>terminals on the power supply in<br>the DLC Cabinet | ACIn   |
| 4.       | Plug a Cat5/Ethernet cable into the back of the adapter.   | AC-IN  |
| 5.       | Plug the other end of the<br>Cat5/Ethernet cable into the<br>WAN port in the DLC Cabinet.                          |  |
| 6.       | Mount the adapter to the wall.   |  |
| 7.       | Plug the adapter power cord into an AC wall outlet.  | 115  |



#### 5.2 DLC Cabinet Installation

The DLC-100 Digital Life Controller Cabinet includes:

- Four external antennas: one cellular data antenna, one 915MHz antenna, and two 433MHz antennas.
- Five Ethernet ports: one wide area network (WAN) port and four local area network (LAN) ports.
- One shipping tray

Figure 27 shows the DLC cabinet after it is fully assembled.



Figure 27: DLC Cabinet Assembled

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- 1. Antenna provides AT&T Cellular Data Service communications.
- 2. Antenna provides one-way communications using a 433MHz receiver.
- 3. Antenna provides two-way communications using a 915MHz transceiver.
- 4. Antenna provides one-way communications using a 433MHz receiver.
- 5. Five LEDs provide the following at-a-glance status:
  - AC POWER
  - BATTERY
  - SYSTEM
  - WIRELESS BROADBAND
  - WIRELINE BROADBAND
- 6. Battery compartment for the rechargeable battery.



#### 5.3 Mounting the DLC Cabinet

After you have located the best place to mount the DLC cabinet, you may mount the DLC Cabinet to either a sheetrock wall or open wall.

#### 5.3.1 DLC Cabinet Installation on a Sheetrock Wall

Follow these instructions to install the DLC Cabinet on a sheetrock wall:

**STEP 1.** Install the wall plate on the sheetrock wall.

#### Action

Using the holes on the wall plate as a template, mark the four (4) mounting holes with a pencil and pre-drill starter holes using an appropriate size masonry/wood bit. Use four (4) screws to mount the plate to a sheetrock wall by screwing into a wall stud for support, as shown in Figure 28.

**NOTE:** At least one (1) pair of screws should be on a stud, if at all possible. Use the corner holes of the plate when you are able to screw into a stud.



#### Figure 28: Wall Plate Installation



#### **STEP 2.** Mount the DLC Cabinet to the wall bracket.

#### Action

Place the DLC Cabinet flush with the wall plate using the keyhole mounting feature. Slide the DLC Cabinet down approximately  $\frac{1}{2}$  -inch. Insert two (2) screws through the DLC Cabinet into the wall plate, as shown in Figure 29.



Figure 29: Cabinet Installation on a Sheetrock Wall



#### **STEP 3.** Perform the final assembly.

#### Action

Install the antennas and the battery and close the cabinet door, as shown in Figure 30.



Figure 30: Final Assembly on a Sheetrock Wall



#### 5.3.2 DLC Cabinet Installation on an Open Wall

Follow these instructions to install the DLC Cabinet to an open wall:

**STEP 1.** Assemble the mounting bracket to the wall plate.

#### Action

Position the wall plate with the mounting holes in the upright position. Position the mounting bracket with insertion slots in the downward position. Align the four (4) screw holes of the mounting bracket with the four (4) screw holes of the wall plate. Place the mounting bracket in the designated slots of the wall plate. Insert screws and tighten. Flip the mounting assembly with the wall plate in the downward position and the mounting bracket in the forward position, as shown in Figure 31.



Figure 31: Mounting Bracket and Wall Plate Assembly



#### **STEP 2.** Install the mounting bracket and wall plate to the wall stud.

#### Action

Using the holes on the mounting bracket and wall plate for guidance, mark the four (4) mounting holes with a pencil. Pre-drill starter holes using an appropriate size masonry/wood drill bit. Use four (4) screws to mount the bracket to the exposed wall studs for support, as shown in Figure 32.

**NOTE:** Use various mounting holes to accommodate different wall spacings.

# DE Pedelein set 2 of d

#### Figure 32: Mounting Bracket and Wall Plate Installation

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#### **STEP 3.** Mount the DLC Cabinet to the wall bracket.

#### Action

Place the DLC Cabinet flush with the wall plate using the keyhole mounting feature. Slide the DLC Cabinet down approximately  $\frac{1}{2}$  ". Insert two (2) screws through the DLC Cabinet into the wall plate, as shown in Figure 33.



Figure 33: Cabinet Installation on an Open Wall



#### **STEP 4.** Perform the final assembly.

#### Action

Install the antennas and the battery and close the cabinet door, as shown in Figure 34.



Figure 34: Final Assembly for an Open Wall Installation



#### 5.3.3 Assembling the DLC Antennas

Assemble the DLC cabinet by installing the four external antennas, as shown in Figure 35.





Follow these steps to install the antennas:

| Step | Action   |
|------|--|
| 1.   | Locate the 3G antenna and screw into the designated port on the side of the cabinet. The 3G antenna is wired to the 3G module. |
| 2.   | Locate the two 433MHz antennas and screw into the designated ports.  |
| 3.   | Locate the 915MHz antenna and screw into the designated port.  |
| 4.   | Tighten each antenna until it is hand-tight.   |



#### 5.4 Installing the Battery

When you remove the battery from the carton, it is fully charged and ready for use.

**NOTE:** You can install the battery without disconnecting the AC power source.

#### CAUTION:

The storage container for the rechargeable battery must not be of sealed and air tight construction. The container must be equipped with appropriate ventilation system, such as ventilation holes leading to the outside and so on. The following applies to using a rechargeable battery inside a metallic storage box: to prevent the rechargeable battery from leaking fluid due to a breakage in the electrolytic cell, thus forming a leak circuit between the battery and the storage box (or fixed frame), install between these two items a heat and acid resistant insulating sheet (or tray) that will not be damaged by periodic stress. Alternatively, place the rechargeable battery inside an insulating bag but not to be sealed.

For the above described insulation material, do not use any material that can be stained with grease, or that can have organic substance oozing out of itself. Do not allow the rechargeable battery to come into contact with vinyl tape containing plasticizer, insulation sheet, solvent, or grease.

The battery compartment is located on the front of the DLC cabinet, as shown in Figure 36.



#### Figure 36: Battery Compartment—Front Panel

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Follow these steps to install the battery in the DLC cabinet.

#### **STEP 1.** Open battery compartment.

| Action   | Device/Illustration |
|--|---------------------|
| Insert the blade of a flat screwdriver or<br>dime into the slot on the battery<br>compartment screw and turn one-quarter<br>turn to release the door. You will see the<br>connector wires. |                     |

#### **STEP 2.** Connect wires to battery.

| Action                                     | Device/Illustration |          |
|--|---------------------|----------|
| Connect the red wire to the positive       | Positive            | Negative |
| terminal on the battery and the black wire | Terminal            | Terminal |
| to the negative terminal on the battery.   | (red)               | (black)  |



#### **STEP 3.** Install battery.

| Action   | Device/Illustration |
|--|---------------------|
| Insert the battery into the battery compartment. |                     |

**STEP 4.** Close the door and rotate the battery compartment screw one-quarter turn.


# 6 Device Installation, Discover, Registration and Operation

# 6.1 915MHz Products

The 915MHz devices feature two-way communication with the DLC. The 915MHz devices are:

- Keypad
- Siren
- 915MHz Repeater
- Device Controller (Not Evaluated by UL)

Approximately once every twenty minutes 915MHz devices automatically transmit supervisory messages to the DLC. These supervisory messages are also known as heartbeat messages. These supervisory messages communicate the identity of the device, the status of the device and the battery level, if the device is equipped with a battery. If the DLC does not receive three consecutive supervisory messages from a 915MHz device, then the device is considered to be offline and an advisory message is automatically sent to the Central Monitoring Center.

**NOTE:** DO NOT connect any 915MHz corded product to an AC power outlet that is controlled by a switch.

# 6.1.1 Keypad (915MHz)

The AT&T model number **SW-ATT-PAD2W** wireless keypad allows you to control all system functions. The keypad also features a built-in sounder that will annunciate during alarms and troubles. The keypad plays a predefined "chirp" sound when a key is pressed on the keypad. It will also chirp during certain system functions, such as during entry/exit delay times. The keypad features are shown in Figure 37. The keypad annunciates different sounds for fire and intrusion alarms.



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Figure 37: Keypad Features

The LCD displays the current system state and any changes in system state. The keypad is powered by an AC/DC adapter that plugs into an AC power outlet. It can be mounted on a plastic stand and placed on a flat surface or wall mounted. It is equipped with batteries that provide 24 hour battery backup under a local power failure condition. The batteries are customer installable.

The keypad is equipped with a tamper switch, which is located on the back side of the unit. The keypad can be wall mounted or mounted on a plastic stand. When the keypad is wall mounted, if the keypad is removed from the wall, a tamper alarm will be generated and reported to the Central Monitoring Center. When the keypad is mounted on a plastic stand, if the keypad is removed from the plastic stand, a tamper alarm will be generated and reported to the Central Monitoring Center.



# 6.1.1.1 Installing the Keypad

Connect the wires from the AC/DC power adapter to the terminals on the back side of the keypad, as depicted in Figure 38, and install four AA batteries. Plug the AC/DC power adapter into AC power outlet. When powered up, it is ready to be discovered.

### Figure 38: Keypad Connection to AC/DC Adapter and Installation of AA Batteries







# 6.1.1.2 Discovering and Registering the Keypad (Digital Life Direct)

Follow these steps to discover the keypad using DLD:

**STEP 1.** Power-up the Keypad.

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#### **STEP 2.** Access the "Devices" page.

| Action   | Web Page  |                      |                      |        |
|--|---|----------------------|----------------------|--------|
| Once you have<br>access the<br>appropriate account<br>the Information page | ACCOUNTS ACCOUNTS Accounts: 51065> Information Information Devices Quotas Users | <u>devices</u>       | SUBSCRIPTIONS        | LOGOUT |
| displays.  | Account Status<br>Customer BAN (CRM 1d)   | Active<br>stutestX1K |                      |        |
| page, click the <b>Devices</b> Tab.  | In-box Count<br>Trash Count (if applicable)<br>Date Created                     | 0<br>2012-01-23 20   | 0:02:18 [GMT]        |        |
|  | Current Gateway Installation Token  | DL@FA37-124          | C69-ED530F-2465-3A07 |        |

### **STEP 3.** Place the DLC in Discovery Mode (Initializing Process)

| Action                             | Web Pag                           | je   |  |   |
|------------------------------------|-----------------------------------|--|--|---|
| Click the DLC<br>(Gateway).        | ACCOUNTS Accounts: 51065> Devices | DEVICES  | SUBSCRIPTIONS  | LOGOUT<br>•ONLINE •OFFLINE <sup>®</sup> UNKNOWN |
|                                    | Name Devices Quotes Lusers De     | vice Class -Subscription ID (CTN)<br>pliance/Gateway | Last Contact/Event Time (GMT)<br>2012-04-11 18:15:22 | Date Registered (GMT)<br>2012-01-23 20:04:41    |
| The Devices Details page displays. |                                   |  |  |   |
|                                    |                                   |  |  |   |

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| Action  | Web Page   |
|---|--|
| From the "Device<br>Details" page under<br>the Gateway Specific<br>Details category,<br>click the <b>Start</b><br><b>Discovery</b> button.<br><b>NOTE:</b> This is<br>PHASE 1 of the<br>device registration<br>process. | Accountis     Devices     SUBSCRIPTIONS     LOCOUT       Image: Countis S1065: Device Details     •ONLINE *OFFLINE*UNKNOWN     •ONLINE *OFFLINE*UNKNOWN       Information     Devices     Quotas     Users       Device Information     Devices     Quotas     Users       Device Information     ONLINE *OFFLINE*UNKNOWN     Edit       Status:     *ONLINE     *ONLINE       Catalog ID:     000000000000000000000000000000000000  |
| The Initializing stage begins.  | Applinde Port:         2047           Wireless Channels:         auto           Slow poll period:         60           Pest poll period:         10           Location:         US_10001   |
| <b>NOTE:</b> From this<br>point onward all<br>tasks are system<br>generated.  | Divice Information           Name:         Home Gateway         Edit           Status:         • ONLINE           Catalog ID:         0000000000003           Gateway (OID:         7000026445/611e38e4700132c000004           Device GUID:         0           0         Hardware Serial Number:           00:16:2C00:00:04         0           Hermware Version:         2.21:12.0 03/27/2012           Last Contact:         2012:01:22 20:04:41 [GMT]           Dake Registered:         2012:01:22 20:04:41 [GMT]           Registered By:         Customer/Self Install           Gateway Specific Details:         Stategatered:           Stop Discovery         Initializing. Please wait           Name         Date Registered [GMT]         Registered By           Stop Discovery         Initializing. Please wait           Direct Path:         • No Direct Path to the Gateway I, NAT=UD           Header IP:         82.66.223:138           Appliance IP 2: |
|   | Applance Port:         2047           Wireless Channel:         auto           Slow pol period:         60           Fast pol period:         10           Location:         U5_10001  |



# **STEP 4.** Enroll the keypad.

| Action  |  |
|---|--|
| Enroll the keypad by pressing the Learn button located on the back of the keypad. |  |

#### **STEP 5.** Review the DLC in Discovery Mode (Discovery in Process).

| Action                | Web Page  |                                       |
|-----------------------|---|---------------------------------------|
|                       | ACCOUNTS DEVICES SUBSCRIPTIONS  | LOGOUT                                |
| NOTE: This is         | Accounts: 51065> Device Details   | ONLINE COFFLINE UNKNOWN               |
| PHASE 2 of the        | Information Devices Quotas Lisers   |                                       |
| device discovery and  | Name: More Category Edit  |                                       |
| device discovery and  | Status: •ONLINE   |                                       |
| registration process  | Catalog ID: 00000000000000000000000000000000000   |                                       |
| registration process. | Galamay GLID: 7b00b26a45fd11e18e4700162c000004  |                                       |
| <b>0</b>              | Device GUID: 0  |                                       |
|                       | Hardware Serial Number: 00:16:2C:00:00:04   |                                       |
|                       | Firmware Version: 2VM: 32ME Foundation Specification v1.0; OS: Linux 2.4.32; FW: main 20005, radio 20F01, 2.4 G | Hz Rx FF                              |
|                       | Settiware Version: 2,21.12,0 03/27/2012   |                                       |
|                       | Last Contact: 2012/04-12 15:50/40 [dW1]   |                                       |
|                       | Reactered By: Customer/Self Install   |                                       |
|                       | Note:         The Initializing stage lists the Name,           Date Registered (GMT) of the devices register    | Device Class and ered to the specific |

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| Action   | Web F  | Page   |  |                       |
|--|--|--|--|-----------------------|
| <b>NOTE:</b> Once a device is registered it will display in a subsection below the Gateway Specific Details. | ACCOUNTS  ACCOUNTS: 51065-0  Information Devotes Counts: 51065-0  Information Devotes Counts: 51068-0  Information Devote Option Catalog (0): Catalog (0): Catalog (0): Catalog (0): Catalog (0): Catalog (0): Devote Option Harrware Serial Rumber: Farmware Version: Last Contact: Date Registered: Registered By: Catalog Devote Details:  Step Discovery Press Giscovery Dutton on all w Cold on 180 person all w Cold on 180 person all w | EVICES  evice Details  n  Mome Gateway  EBE  evice Details  n  Mome Gateway  EBE  evice Details  n  Mome Gateway  EBE  evice Details  n  evice Details  evice Details | SUBSCREPTIONS<br>E Lanux 2.4.32; FW: main 20005, radio 20F01, 2.4 C<br>Steway, | +OALDE +OFFLDE=USDOWN |
|  | Alarmice pad 3059<br>Direc math<br>Heso AlarmKeypad 3059<br>Appa AlarmKeypad 3059<br>Appa Construction<br>Appliance Port:<br>Writing Channel:<br>Stor pol period:<br>Fast pol period:<br>Location:   | Alarm Keypad<br>Alarm Keypad<br>2047<br>auto<br>60<br>10<br>US_10001   | 2012-04-111841:15  | AlHicks               |

#### **STEP 6.** Confirm device discovery.

| Web P   | age  |  |  |  |   |
|---|--|--|--|--|---|
| Information Overlag Quarties Links<br>Terms<br>- Home Cateway<br>- Alarmskayped 2029<br>- Home Cateway<br>- Alarmskayped 3029 | Evvice Gata<br>Appkance/Satenay<br>Alarm Keypad<br>Applance/Satenay<br>Alam Keypad | Lant, Contest/Event Time (C<br>2012-04-12 15:05:27<br>2012-04-11 18:01:16<br>2012-04-12 15:05:27<br>2012-04-12 15:05:27<br>2012-04-11 18:02:16   | MTJ Outo Repatental<br>2012-01-23 20:0<br>2012-01-23 20:0<br>2012-01-23 20:04-01<br>2012-01-23 20:04-01<br>2012-01-23 20:04-01<br>2012-01-23 20:04-01  | CATFI<br>4:41<br>1:22<br>Delete  | Delete  |
|   | Web P  | Web Page           Information         Covered Quarters   Intersity           Name         Covered Quarters   Intersity           • Home Gateway         Applance/Cateway           • AlamsKeyped 2029         AlamsKeyped           • Home Gateway         Applance/Cateway           • Home Gateway         Applance/Cateway | Web Page           Internation Devices Quartas Liters)         Exerce Class         Subscription ID (CTR)         Last Contact/Event Term (C           • Home Cateway         Applance/Cateway         2012-04-12 15:05:27           • Alemetaryod 2020s         Aleme Karyad         2012-04-12 15:05:27           • Home Cateway         Applance/Cateway         2012-04-12 15:05:27           • Home Cateway         Applance/Cateway         2012-04-12 15:05:27           • Home Cateway         Applance/Cateway         2012-04-12 15:05:27           • AlemeKeiged 3038         Alem Keypad         2012-04-11 18:41:16 | Memory         Regenter         Source Class         Reference         Contract/Source         Contract         Contract <thcont< th=""> <thcont< th="">         Contract<td>Web Page           Memo         Contraction         Devices         Contraction         <thcontraction< th=""></thcontraction<></td></thcont<></thcont<> | Web Page           Memo         Contraction         Devices         Contraction         Contraction <thcontraction< th=""></thcontraction<> |

#### 6.1.2 Siren (915MHz)

The AT&T model number **SW-ATT-SRN** is a wireless siren that is capable of annunciating alarms and keypad chirps. The DLC sends messages to the SW-ATT-SRN via a 915MHz radio protocol to command the SW-ATT-SRN to generate tones and pre-programmed alarm sequences through its annunciator, including a temporal 3-pulse fire alarm to meet UL 985 requirements.





### 6.1.2.1 Installing the Siren

Install the siren by plugging the grounded plug into a single socket on a wall AC outlet as shown in Figure 39. Then install the retaining screw into the plastic tab located at the top of the unit to secure the unit to the AC outlet.





The LED shows the system status, as follows:

- Solid Green—unit is AC powered and backup battery is good.
- Blinking Green—unit is not AC powered and is operating on backup batteries.
- Solid Red—unit is AC powered and the backup battery needs to be replaced.
- Off—unit is not AC powered and backup battery has failed.

#### 6.1.2.2 Discovering and Registering the Siren

Follow these steps to discover and register the siren:

| Step | Action   |
|------|--|
| 1.   | Place the DLC into Discovery Mode in DLD.  |
| 2.   | Plug in the siren and once it has powered make it discoverable by pressing the learn button located on the side of the unit. |
| 3.   | Confirm that the siren has been discovered in DLD.   |
| 4.   | Label the siren in DLD.  |



# 6.1.2.3 Installing/Replacing Batteries

The siren has two non-rechargeable CR123 batteries as a backup power supply. The batteries can be replaced by removing the unit from the wall and opening the battery compartment located on the rear of the unit.

# 6.1.3 Device Controller (915MHz) (Not Evaluated by UL)

The AT&T model number **SW-ATT-WDC** Wireless Device Controller is a 915MHz twoway device that is used to control AC power to small appliances, such as a lamp (See Figure 40 and Figure 41). The unit is plugged directly into one socket of an AC power outlet. Then install the retaining screw into the plastic tab located at the top of the unit to secure the unit to the AC outlet.



Figure 40: Device Controller (915MHz)



#### Figure 41: Device Controller Controlling AC Power to a Lamp

This Device Controller can be utilized to control turning lamps and other small appliances on and off. Follow these steps to install the Device Controller:

- 1. Plug the Device Controller into an AC power outlet.
- 2. Plug the lamp or other small appliance into the unit.

# 6.1.3.1 Discovering and Registering the Device Controller

Follow these steps to discover and register the device controller:

| Step | Action  |
|------|---|
| 1.   | Place the DLC into Discovery Mode in DLD.   |
| 2.   | Make the Device Controller discoverable by pressing the Learn button located on the side of the unit. |
| 3.   | Confirm that the Device Controller has been discovered in DLD.  |
| 4.   | Label the Device Controller in DLD.   |

#### 6.1.4 915MHz Repeater

The AT&T model number **SW-ATT-RPTR9** is a 915MHz wireless repeater and is shown in Figure 42. Once the 915MHz Repeater is installed and discovered, it will perform the repeating function automatically by determining which 915MHz transmissions are not being received by the DLC and will repeat those 915MHz transmissions.



Figure 42: 915MHz Repeater

The RPTR9 repeater is a fully supervised peripheral device that communicates with the DLC through a two-way 915MHz short range radio interface. The RTPR9 receives and recognizes messages from other 915MHz devices (including the keypad, siren and Digital Life controller) and repeats those messages to extend the range of these devices, all via the two-way 915MHz radio protocol.

# 6.1.4.1 Installing the 915MHz Repeater

Install the 915MHz Repeater by plugging the grounded plug into a single socket on a wall AC outlet. Then install the retaining screw into the plastic tab located at the top of the unit to secure the unit to the AC outlet.

# 6.1.4.2 Discovering and Registering the 915MHz Repeater

| Step | Action  |
|------|---|
| 1.   | Place the DLC into Discovery Mode in DLD.                           |
| 2.   | Make the 915MHz repeater discoverable by pressing the learn button. |
| 3.   | Confirm that the 915MHz repeater has been discovered in DLD.        |
| 4.   | Label the 915MHz repeater in DLD.                                   |

Follow these steps to discover and register the 915MHz repeater:



# 6.1.4.3 Installing/Replacing Batteries

The repeater has two non-rechargeable CR123 batteries as a backup power supply. The batteries can be replaced by removing the unit from the wall and opening the battery compartment located on the rear of the unit.

# 6.2 433MHz Products

The 433MHz devices feature one-way communication with the DLC. The 433MHz devices are:

- Smoke Detector
- Carbon Monoxide (CO) Detector
- Vanishing Door/Window (D/W) Sensor
- Recessed D/W (RDW) Sensor
- Glass Break Detector
- Motion Detector (PIR)
- Key Fob
- Takeover Module
- 433MHz Repeater
- Temperature/Flood Sensor (Not Evaluated by UL)
- Garage Door Tilt Sensor (Not Evaluated by UL)

Approximately once an hour the 433MHz devices automatically transmit supervisory messages to the DLC. These supervisory messages are also known as heartbeat messages. These supervisory messages communicate the identity of the device, device specific information and if the battery level is low. A 433MHz device only sends a supervisory message if it has not sent any transmissions to the DLC within the last hour. If the DLC does not receive three consecutive hourly supervisory messages from a 433MHz device, then the device is considered to be offline and an advisory message is automatically sent to the Central Monitoring Center.

The Takeover Module and 433MHz Repeater always send supervisory messages to the DLC on an hourly basis independent of previous transmissions to the DLC. The Takeover Module and 433MHz Repeater normally operate on power from an AC to DC converter. Both devices are also equipped with batteries that support 24 hour battery



backup. When the Takeover Module and 433MHz Repeater send their supervisory messages to the DLC, the messages include an indication of whether the device is operating on power from the AC to DC converter or operating on power from the batteries.

The Key Fob does not send supervisory messages.

The safety regulations and FCC Compliance Statements for these devices are presented in the next section.



# 6.2.1 FCC Regulations

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiated radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

# 6.2.1.1 RF Exposure Information

This device meets the government's requirements for exposure to radio waves.

This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.



# 6.2.2 Smoke Detector

The AT&T model number **SW-ATT-SMK** is a photoelectric smoke alarm with a built-in transmitter, as shown in Figure 43.





**WARNING:** The DLS supports Fire Alarm Verification for use with smoke detectors which can be utilized to delay the transmission of a smoke alarm to the AT&T Digital Life Central Monitoring Center. When smoke is detected, the alarm sounds a loud temporal 3 local alarm. Twenty (20) seconds after the local alarm sounds, the built-in transmitter sends a digitally coded wireless signal to the DLC. The wireless signal will be repeated every 20 seconds as long as smoke is still present. In order to reduce the likelihood of reporting false smoke alarms, the Fire Alarm Verification feature can be used. If the Fire Alarm Verification feature is enabled, the DLC waits for two smoke detector signals within 25 seconds before a smoke alarm is reported to the AT&T Digital Life Central Monitoring Center.

In addition to the photoelectric detector, the unit contains an integrated fixed 135° temperature and rate-of-rise heat sensor that will send an alarm signal based on temperature detected.

# 6.2.2.1 Smoke Detector LED Functions

Flashing—Flashes every 9 seconds to indicate normal operation.

- On—Detects smoke.
- Off—Trouble or maintenance is required.



# 6.2.2.2 Discovering and Registering the Smoke Detector

Follow these steps to discover and register the smoke detector:

| Step | Action   |
|------|--|
| 1.   | Place the DLC into Discovery Mode in DLD.  |
| 2.   | Make the smoke detector discoverable by inserting the two batteries.<br><u>Alternate Method:</u> Remove the back mounting bracket (sends tamper signal). |
| 3.   | Confirm that the smoke detector has been discovered in DLD.  |
| 4.   | Label the smoke detector in DLD.   |

#### 6.2.2.3 Installing the Smoke Detector

Follow these steps to assemble the smoke detector:

| Step | Action  |
|------|---|
| 1.   | Slide the battery compartment cover away from the unit to unsnap it and lift it off as shown in Figure 44.                                |
| 2.   | Observing proper polarity, insert the two 3V lithium batteries supplied into the alarm battery compartment and replace the battery cover. |

#### Figure 44: Smoke Alarm Battery Compartment



AT&T Proprietary (Internal Use Only)



Follow these steps to mount the smoke detector:

| Step | Action   |
|------|--|
| 1.   | Using the two screws and anchors provided, mount the base, as shown in Figure 45.  |
| 2.   | Attach the unit to the base as follows:  |
|      | • Line up the raised alignment tab on the lip of the unit with the alignment arrow on the base.                                      |
|      | <ul> <li>Insert the unit into the base and turn clockwise approximately 15<br/>degrees. It should snap firmly into place.</li> </ul> |
|      | <b>IMPORTANT!</b> The unit cannot be attached to the base if no batteries are installed.   |



#### Figure 45: Smoke Alarm to Base Alignment



# 6.2.2.4 Installing/Replacing Batteries

When the batteries are low, the integral transmitter will send a low battery report to the DLC. The smoke detector LED is extinguished and it will chirp every 45 seconds until the batteries are replaced. The low battery trouble chirps can be silenced for 24 hours by pressing the TEST/SILENCE button. Battery life is a minimum of one year, and varies depending on how often the unit is tested.

Use only 3V lithium batteries, as listed on the battery compartment cover. Follow these steps to replace the batteries:

| Step | Action   |
|------|--|
| 1.   | Remove the unit from the mounting base, grasp the unit and turn it counter clockwise approximately 15 degrees.             |
| 2.   | Slide the battery compartment cover away from the smoke alarm to unsnap it and lift it off.                                |
| 3.   | Remove the batteries and dispose of them properly.   |
| 4.   | Observing correct polarity, insert two new CR123A 3V lithium batteries into the battery compartment and replace the cover. |
| 5.   | Reattach the unit to the mounting base.  |
| 6.   | Test the system.   |

# 6.2.2.5 Testing the Smoke Detector

#### Sensitivity Test

To test the sensitivity of the smoke detector, do the following:

- 1. Press and hold the TEST/SILENCE button for 4 seconds. Once the test starts (prior to 4 seconds interval), the smoke alarm LED flashes 1 to 9 times.
- 2. Count the number of LED flashes and use the following table to determine if any action is necessary.

| LED Flashes Indication—Action |  |  |
|-------------------------------|--|--|
| 0-1                           | Unserviceable hardware fault. Reset and rerun sensitivity test. If the error persists, replace the unit.                 |  |
| 2-3                           | Unit is becoming insensitive. Clean and reset the unit. Rerun sensitivity test. If the error persists, replace the unit. |  |
| 4-7                           | Unit is within normal sensitivity range. No action required.   |  |



#### LED Flashes Indication—Action

8-9 Unit is becoming too sensitive. Verify that the optical chamber is snapped down securely. Clean the unit and replace the optical chamber. After the LED flashes, if the sensitivity is within limits and all other tests pass, the unit goes into alarm and resets after 7 seconds. If the sensitivity is not within limits, or an unserviceable hardware fault has been detected, the unit LED extinguishes until the unit is serviced.

#### 6.2.2.6 Maintaining the Smoke Detector

The units are designed for easy field service and maintenance. When installed and used properly, they require minimal maintenance. Follow these guidelines:

- Test the unit weekly.
- Clean the cover with a dry or damp (water) cloth as needed to keep it free from dust and dirt.
- When a unit requires maintenance, it extinguishes its LED and stops sending supervisory signals to the alarm DLC. If the DLC indicates supervisory trouble for the smoke alarm, perform the sensitivity test and follow the recommended actions.

#### 6.2.2.7 Specifications—Smoke Detector

| Specifications        |  |
|-----------------------|--|
| Voltage               | 3V DC  |
| Current               | <ul> <li>Typical average standby current 35µA</li> <li>Typical test current 2mA</li> <li>Typical alarm current 70mA</li> </ul> |
| Battery type          | 3V lithium, Duracell® 123A, Panasonic® CR123A, Sanyo® 123A or equal  |
| Low battery threshold | 2.70V causes low battery signal  |
| Low battery beep rate | 1 every 45 sec.  |
| Frequency             | 433.92MHz  |
| Sounder               | 85dBa at 10' temporal pattern  |
| Sensitivity           | 2.2% ± 1.3% / ft.  |

| Specifications                |   |
|-------------------------------|---|
| Dimensions                    | 4.68 x 2.75 x 1.85 in. (119 x 70 x 47 mm) |
| Storage temperature           | 4 to 140°F (- 20 to 60oC)                 |
| Operating temperature         | 40°-100°F (4.4°-37.8°C)                   |
| Operating humidity range      | 0-95% non-condensing                      |
| Alarm dimensions              | 5.6" x 2.4" (14.2 cm x 6.1cm)             |
| Base dimensions               | 5.4" x 0.46" (13.7 cm x 1.17cm)           |
| Drift compensation adjustment | 0.5% / ft. max.                           |
| Heat detector                 | Rate-of-rise 15°F/min>105°F               |
| specifications                | • 8.3°C/min>40.6°C                        |
|                               | • Fixed 135°F ± 5°F (57.2°C ± 2.8°C)      |
|                               | Listings, UL217, CSFM                     |

# 6.2.3 Carbon Monoxide (CO) Detector

The AT&T model number **SW-ATT-CO** is a wireless carbon monoxide (CO) detector that monitors the levels of CO gas and gives early warning when potentially dangerous levels exist, as shown in Figure 46.



Figure 46: CO Detector



The CO Detector only detects CO. It does not detect fire, smoke, or any other gas. If a dangerous concentration of CO is detected by patented and field-proven electrochemical sensor, an LED indicator illuminates and an internal siren is activated in Temporal 4 pattern. The CO Detector also transmits an alarm signal to the DLC within 15 seconds of detecting dangerous concentration of CO gas. The CO Detector also detects low battery, wall tamper, and sensor end-of-life. These trouble codes are transmitted to the DLC. The alarm automatically reset when CO is no longer detected.

# 6.2.3.1 Discovering and Registering the CO Detector

Follow these steps to discover and register the CO detector:

| Step | Action   |
|------|--|
| 1.   | Place the DLC into Discovery Mode in DLD.  |
| 2.   | Make the CO detector discoverable by inserting the three batteries.<br><u>Alternate Method</u> : Remove and reinstall the back case (sends tamper signal). |
| 3.   | Confirm that the CO detector has been discovered in DLD.   |
| 4.   | Label the CO detector in DLD.  |

# 6.2.3.2 Selecting Location(s) for Installation

CO detectors should be mounted in or near bedrooms and living areas. It is recommended that you install an alarm on each level of your home. When choosing your installation locations, make sure you can hear the alarm from all sleeping areas. If you install only one CO detector in your home, install it near bedrooms, not in the basement or furnace room, as shown in Figure 47.





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# 6.2.3.3 Locations to Avoid

Improper location can affect the sensitive electronic components in this alarm. To avoid causing damage to the unit, to provide optimum performance, and to prevent unnecessary nuisance alarms:

- Do not install in kitchens, garages, or furnace rooms that may expose the sensor to substances that could damage or contaminate it.
- Do not install in areas where the temperature is colder than 40°F (4.4°C) or hotter than 100°F (37.8°C) such as crawl spaces, attics, porches, and garages.
- Do not install within 5 ft. of heating or cooking appliances. (15 ft. is recommended to prevent nuisance alarms.)
- Do not install near vents, flues, chimneys, or any forced/unforced air ventilation openings.
- Do not install on metal surfaces.
- Avoid mounting in areas with a large quantity of metal or electrical wires.
- Do not install near ceiling fans, doors, windows, or areas directly exposed to the weather.
- Do not install in dead air spaces, such as peaks of vaulted ceilings or gabled roofs, where CO may not reach the sensor in time to provide early warning.
- Do not install near deep-cell large batteries. Large batteries have emissions that can cause the alarm to perform at less than optimum performance.
- Do not obstruct the vents located on the alarm. Do not place the alarm where drapes, furniture, or other objects block the flow of air to the vents.

# 6.2.3.4 Mounting the CO Detector

The CO detector can be wall mounted or ceiling mounted. Follow these steps to mount the CO detector:

- 1. Slide the alarm body off of the mounting plate.
- 2. Place the mounting plate in the desired location, and mark the location of the two mounting holes.
- 3. Orient the mounting plate vertically or horizontally as shown in Figure 48 and Figure 49.



Figure 48: Vertical Mounting





- 1. Insert the two screws provided and secure the mounting plate to the wall or ceiling surface. (If mounting in plasterboard or drywall, drill a 3/16 in. hole and use the plastic anchors provided.)
- 2. After the mounting plate is secured, slide the alarm over the mounting plate.
- 3. Complete labels and attach: Two labels have been provided that have important information on what to do in case of an alarm. Add the phone number of your emergency service provider in the space provided. Place one label next to the alarm after it is mounted, and one label near a fresh air source such as a door or window.



#### WARNING:

After seven years from initial power up, this alarm will beep two times every 30 seconds to indicate that it is time to replace the unit. Replace the alarm immediately! It will not detect CO in this condition.

To help identify the date to replace the alarm, an area has been reserved on the side of the alarm. Write the "replace by" date (seven years from power up) with a permanent marker in the area provided.

# 6.2.3.5 Installing/Replacing Batteries

**NOTE:** Place the DLC into sensor test mode prior to replacing the batteries. If the DLC is not in sensor test mode during battery replacement, an alarm/tamper condition may be reported.

- 1. Slide the alarm body off of the mounting plate.
- 2. If replacing batteries, remove the old batteries and properly dispose of them as recommended by the battery manufacturer.
- Install the new Alkaline AA batteries (Duracell MN1500 or MX1500 or Energizer E91 or equivalent batteries).
- 4. Note the polarity illustration in the battery compartment, as shown in Figure 50.



Figure 50: Install Batteries in CO Detector

5. Slide the alarm body back onto the mounting plate.

**NOTE**: The mounting plate will not close unless all three batteries are installed.



After installing or changing the batteries, reinstall your alarm. Test your alarm by using the Test/Hush button and check that the green Power LED is on.

**NOTE:** Constant exposures to high or low humidity may reduce battery life.

#### 6.2.3.6 Testing the CO Detector

**NOTE:** This unit is sealed. The cover is not removable.

#### WARNING:

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The DLC must be placed into sensor test mode while conducting any tests. Placing the DLC into sensor test mode for all testing helps to protect against false alarms and unintentional central station reporting.

**NOTE:** Due to the loudness of the alarm, we suggest that you place your fingers over the sounder vent while testing your alarm.

**CAUTION**: Continuous exposure to the high sound level of this alarm over an extended period of time may cause hearing loss.

The CO Detector has one (1) test mode: **Normal CO Alarm Test.** This test mode allows you to conduct an internal self test and tests the sounder.

#### 6.2.3.7 Normal CO Alarm Test

- 1. Wait at least 10 minutes after installation to test the CO Detector.
- 2. Make sure the green Power LED is flashing for normal operation.
- 3. Set the DLC to sensor test mode.
- Press and hold the Test/Hush button until the unit beeps two times (approximately 5 seconds), and then release the button. If the unit is operating properly, you will hear four quick beeps.

#### 6.2.3.8 Troubleshooting

If the unit does not power up properly or reports low battery:

- 1. Make sure the batteries are fully seated within the battery compartment and the polarity is correct.
- 2. Make sure that all three batteries are installed.
- 3. Check the battery voltage (1.5 VDC nominal per battery).



# 6.2.3.9 Specifications—CO Detector

| Specifications        |   |
|-----------------------|---|
| Compatible Panels     | Digital Life Controller   |
| Backup Power          | Three (3) AA batteries  |
| Battery Type          | 1.5 V DC Alkaline   |
| Required Batteries    | Duracell MN 1500, Duracell MX 1500, Energizer E91                                       |
| Sensor Life           | 7 years   |
| Frequency             | 433.92MHz   |
| Supervisory Interval  | 64 minutes  |
| Audible Alarm         | Temporal 4  |
| Alarm Response times  | 70 PPM = 60 - 240 min.<br>150 PPM = 10 - 50 min.<br>400 PPM = 4 -15 min.                |
| Dimensions            | 4.68 x 2.75 x 1.85 in. (119 x 70 x 47 mm)   |
| Storage Temperature   | 4 to 140oF (- 20 to 60°C)   |
| Operating Environment | Temperature: 40 to 100°F (4.4 to 37.8°C)<br>Relative Humidity: 10 to 95% non-condensing |

# 6.2.3.10 Operation Characteristics of CO Detector

|                                      | LED Display  | Alarm Sound   | Units Status   | Recommendation   |
|--------------------------------------|--|---|--|--|
| Normal<br>operation                  | Green Power<br>LED flashes<br>every 30<br>seconds.         | None.   | Normal DC<br>operation<br>(sensing no CO)<br>and with good<br>batteries. | None.  |
| Carbon<br>monoxide<br>alarm          | Red Alarm LED<br>flashes with<br>beeps.                    | Four quick beeps,<br>5 seconds<br>silence, repeating. | Alarm condition.<br>Dangerous<br>concentrations of<br>CO detected.       | See "Alarm procedure" on page 8.   |
| Low battery /<br>low battery<br>hush | Red Alarm LED<br>flashes every<br>60 seconds.              | One quick beep<br>every 60 seconds.                   | Batteries need to be replaced.   | Replace all three AA batteries.<br>Press Test/Hush button and release. This will<br>silence the low battery audible chirp between 8<br>and 11 hours allowing for a more convenient time<br>to replace the batteries.   |
| Alarm end-of-<br>life indicator      | Red Alarm LED<br>flashes two<br>times every 30<br>seconds. | Two quick beeps<br>every 30 seconds.                  | End of CO Alarm<br>life.   | Press the Test/Hush button and release. This will<br>silence the end-of-life signal for up to three days.<br>After three days, the unit will resume end-of-life<br>chirps. Hush mode will silence the alarm ten times<br>or up to 30 days. After 30 days, the unit can no<br>longer be hushed. Replace the CO Alarm<br>immediately. The unit will not respond to CO. |
| Trouble/servi<br>ce alarm            | Red Alarm LED<br>flashes every<br>30 seconds.              | One quick beep<br>every 30 seconds.                   | Unit is in trouble condition.  | Replace batteries. If condition continues, unit has malfunctioned. Replace immediately. Unit will not respond to CO.   |



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|                    | LED Display                                   | Alarm Sound  | Units Status   | Recommendation   |
|--------------------|---|--|--|--|
| Error<br>condition | Red Alarm LED constantly on.                  | Constant alarm.  | Very low battery<br>or unit<br>malfunction.              | Replace batteries. If condition continues, unit has malfunctioned. Replace immediately.                              |
| Test mode          | Red Alarm LED<br>flashes with<br>beeps.       | Four quick beeps,<br>5 seconds<br>silence, repeated<br>once. | Normal operation<br>when Test/Hush<br>button is pressed. | CO not detected. Alarm for test purposes only.   |
| Tamper             | Red Alarm LED<br>flashes every<br>30 seconds. | One quick beep every 30 seconds.                             | Unit is in tamper condition.                             | Place alarm body back onto mounting plate. If<br>condition continues, unit has malfunctioned.<br>Replace immediately |

# 6.2.4 Vanishing Door/Window (D/W) Sensor

The AT&T model number **SW-ATT-V2** device is a fully supervised, tamper-protected sensor that is designed to be installed on most doors or windows. The V2 sensor includes a radio transmitter that sends information to the DLC. Opening the door or window will cause the radio transmitter to send an alarm report. Closing the door or window will cause the radio transmitter to send a restore code. If the case of the V2 sensor is removed for any reason, the radio transmitter will send a tamper alert to the DLC.

#### 6.2.4.1 Discovering and Registering the V2 Sensor

Follow these steps to discover and register the V2 sensor:

| Step | Action  |
|------|---|
| 1.   | Place the DLC into Discovery Mode in DLD.   |
| 2.   | Make the V2 Sensor discoverable by inserting the battery.<br><u>Alternate Method</u> : Press and release the tamper switch (sends tamper signal). |
| 3.   | Confirm that the V2 sensor has been discovered in DLD.  |
| 4.   | Label the V2 sensor in DLD.   |

#### 6.2.4.2 Installing and Mounting the V2 Sensor

#### Transmitter—Door

Select the location where the vanishing sensor is to be mounted. The transmitter should be located vertically on the door jam no more than six inches from the top of the door. The integral magnet should be mounted on the door, within ½ inch of the transmitter with the notch on the magnet aligned with the middle notch on the transmitter as shown in Figure 51.





Figure 51: Mounting Vanishing DW Sensor

#### Transmitter—Window

Select the location where the vanishing sensor is to be located. Mount the transmitter on the window jam near the top of the section of the window to be protected. The integral magnet should be mounted on the window, within ½ inch of the transmitter with the notch on the magnet aligned with the middle notch on the transmitter.

#### Mounting the Transmitter

| Step | Action  |  |  |  |
|------|---|--|--|--|
| 1.   | Use the base of the sensor as a template and mark the mounting holes with a pencil.   |  |  |  |
| 2.   | Drill the holes for the screws, 5/16" drill size.   |  |  |  |
| 3.   | Mount the base to the door jam with the screws provided   |  |  |  |
|      | <ul> <li>For doors that open on the left hand side, the round battery cavity in the<br/>base should be at <u>top</u> when the base is mounted to the door jam.</li> </ul>         |  |  |  |
|      | <ul> <li>For doors that open on the right hand side, the round battery cavity in the<br/>base should be at the <u>bottom</u> when the base is mounted to the door jam.</li> </ul> |  |  |  |
| 4.   | Carefully replace the sensor on the base by aligning the tamper switch with the plastic tamper tab and snap the cover down on the base.   |  |  |  |





# Using Adhesive Tape

Make sure that the surface is clean and dry. Apply the supplied tape to the back of the V2 sensor, press and hold firmly in the desired location for approximately 10 to 15 seconds. Note that it may take up to 24 hours for the tape to reach its maximum bonding strength.

**NOTE**: Attaching the transmitter with double-stick tape is not allowed in UL installations. For non-UL listed systems, the sensor can be permanently mounted using the supplied adhesive.

#### 6.2.4.3 Installing/Replacing Battery

The V2 sensor requires one CR2032 lithium battery. Follow these steps to install the battery:

| Step | Action   |
|------|--|
| 1.   | Remove the cover as indicated in Figure 52.                              |
| 2.   | Once cover is removed, insert the battery with the positive (+) side up. |

#### Figure 52: Install/Replace Battery—V2 Sensor



**NOTE**: The V2 sensor includes low battery reporting. When the system indicates a low battery condition, replace the battery.



# 6.2.4.4 Specifications

| General Specifications—V2 Sensor |                               |
|----------------------------------|-------------------------------|
| Operating Temperature            | 32° to 120° F (0° to 49° C)   |
| Operating Rel.<br>Humidity       | 5 to 95%, non-condensing      |
| Operating Frequency              | 433.92MHz                     |
| Battery                          | 3-Volt CR2032 Lithium Battery |

# 6.2.5 Recessed Door/Window (RDW) Sensor

The AT&T model number **SW-ATT-RDW** is a fully supervised door/window sensor that reports to the DLC. The detection portion of the device is imbedded into the door or window frame, while the integral magnet is installed adjacent to the detection device. Opening the door or window will cause the radio transmitter to send an alarm report. Closing the door or window will cause the radio transmitter to send a restore code.

# 6.2.5.1 Discovering and Registering the RDW Sensor

| Step | Action   |
|------|--|
| 1.   | Place the DLC into Discovery Mode in DLD.                  |
| 2.   | Make the RDW sensor discoverable by inserting the battery. |
| 3.   | Confirm that the RDW sensor has been discovered in DLD.    |
| 4.   | Label the RDW sensor in DLD.                               |

Follow these steps to discover and register the RDW sensor:

# 6.2.5.2 Installing and Mounting the RDW Sensor

# Locating the Transmitter

<u>For Door Installation</u>: Select the location where the RDW sensor is to be mounted. Two locations are preferred. The transmitter can be located in the top portion of the door jam, near the side where the door opens, or it can be located near the top of the door jam on the side where the door opens. The integral magnet will be mounted in the door.

<u>For Window Installation</u>: Select the location where the RDW sensor is to be located. Mount the transmitter in the window jam near the top of the section of the window to be protected. The integral magnet should be mounted in the window.



**CAUTION**: Many windows may not accept the magnet which is approximately 5/8 of an inch deep. Be sure to measure and determine whether the window can accept the SW-ATT-RDW. If not, use the SW-ATT-V2.

**CAUTION**: Do not use the SW-ATT-RDW if the door or window jams are made of metal. The metal will severely limit the performance of the transmitter portion of the device.

# 6.2.5.3 Installing the Transmitter

The hardware kit for the RDW sensor provides additional plastic parts for securing the transmitter to the door jam, as shown in Figure 53.



# Figure 53: Installing Recessed DW Sensor

Follow these steps to install the RDW Sensor:

| Step | Action   |
|------|--|
| 1.   | Locate the position where the transmitter section will be located on the door or window jam and mark the location with a pencil. |
| 2.   | Based upon this mark, locate the position for the integral magnet in the door or window and mark the location with a pencil.     |

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| Step | Action   |
|------|--|
| 3.   | Using an 11/16 drill bit, slowly drill a hole for the magnet.  |
| 4.   | Drill the mating hole for the sensor. Use either the flush mount cap for a snug fit or a flanged cap for a door or window frame.   |
| 5.   | Remove the round transmitter cap.  |
| 6.   | Carefully remove the transmitter assembly from its housing.  |
| 7.   | Install the battery, making sure that you observe the battery polarity. The positive polarity (+) is nearest the printed circuit board.<br><b>NOTE</b> : If you are mounting the transmitter on the top portion of the door jam, go to step 8. Otherwise, go to step 11. |
| 8.   | Replace the transmitter cap with the cap from the accessories package that includes the two screw holes.   |
| 9.   | Slide the transmitter assembly into the 7/8 inch hole.   |
| 10.  | Using the screws provided, secure the assembly into the door jam.  |
| 11.  | If you are mounting the transmitter into the side of the door jam, proceed as follows. Slide the transmitter assembly into the 7/8 inch hole.  |

# 6.2.5.4 Mounting the Magnet Assembly

The integral magnet assembly must be aligned with the RDW transmitter assembly.

- 1. Locate the mark previously made for the magnet position.
- 2. Drill a 3/4 inch hole into the door or window.
- 3. Insert the magnet assembly into the drilled hole.

# 6.2.5.5 Installing/Replacing Battery

The RDW sensor requires one 3-Volt CR2 Lithium Battery. Follow these steps to install or replace the batteries:

| Step | Action   |
|------|--|
| 1.   | Remove the transmitter assembly from the door or windows jams (if installed.)  |
| 2.   | Using a flathead screwdriver, pop off the top cap.   |
| 3.   | Carefully remove the transmitter circuit board from its housing.   |
| 4.   | Remove the depleted battery and dispose of it as required by local laws.   |
| 5.   | Insert the replacement battery paying careful attention to the battery polarity.<br>The positive polarity (+) is the side nearest the transmitter printed circuit board,<br>as shown in Figure 54. |



# Figure 54: Installing Recessed DW Sensor



| Step | Action   |
|------|--|
| 6.   | Reinsert the transmitter assembly into its housing.<br><b>NOTE:</b> Make sure you properly slide the unit into the channel for proper fit. |
| 7.   | Replace the cap for the transmitter assembly.  |
| 8.   | Insert the transmitter assembly into the door or window jam.   |
| 9.   | Install the screws for securing the transmitter (if they were used in the initial installation process.)                                   |
| 10.  | Test the RDW sensor to ensure that it is working properly.   |

**NOTE**: The RDW sensor includes low battery reporting. When the system indicates a low battery condition, replace the battery.

# 6.2.5.6 Specifications—RDW Sensor

| Specifications          |                             |
|-------------------------|-----------------------------|
| Operating Temperature   | 32° to 120° F (0° to 49° C) |
| Operating Rel. Humidity | 5 to 95%, non-condensing    |
| Operating Frequency     | 433.92MHz                   |
| Battery                 | 3-Volt CR2 Lithium Battery  |



### 6.2.6 Glass Break Detector

The AT&T model number **SW-ATT-GB** Glass Break Detector is a fully supervised, tamper protected ceiling- or wall-mounted unit with a 15-foot maximum detection range, 360° maximum horizontal sensing angle, and dual-stage glass break detection, as shown in Figure 55.





# 6.2.6.1 Discovering and Registering the Glass Break Detector

Follow these steps to discover and register the glass break detector:

| Step | Action  |
|------|---|
| 1.   | Place the DLC into Discovery Mode in DLD.   |
| 2.   | Make the glass break detector discoverable by inserting the two batteries.<br><u>Alternate Method:</u> Press and hold the tamper switch for at least two (2) seconds then release the switch. |
| 3.   | Confirm that the glass break detector has been discovered in DLD.   |
| 4.   | Label the glass break detector in DLD.  |



# 6.2.6.2 Installing/Mounting the Glass Break Detector

Follow these steps to assemble the glass break detector:

| Step | Action  |
|------|---|
| 1.   | Hold the Glass Break Detector unit upside down and twist the base counter clockwise to remove the detector from the base. |
| 2.   | Install the two CR123A batteries supplied with the unit paying careful attention to observe the correct battery polarity. |
| 3.   | Wait five (5) seconds for the power up delay.   |

Follow these steps to mount the Glass Break Detector:

- 1. Place the glass break detector base on the opposite wall or adjacent wall to the window being protected. (You may also mount the glass break detector base on the ceiling.)
- 2. Use the base as a template for locating the three mounting holes, as shown in Figure 56.



Figure 56: Mounting Glass Break Detector—Step 1

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3. Affix the base to the desired location utilizing the three (3) long mounting screws and anchors supplied with the unit.

**NOTE**: For wall mounting the test button should be oriented down nearest the floor.

4. When attaching the detector to the base, match the alignment marks and twist clockwise, as shown in Figure 57:



Figure 57: Mounting Glass Break Detector—Step 2

**NOTE**: If the batteries are not installed, the detector cannot be installed to its base.

**CAUTION**: Make sure that the distance from the glass to be protected and the glass break detector does not exceed fifteen (15) feet.


# 6.2.6.3 Installing/Replacing Batteries

The glass break detector includes low battery detection. When the system indicates a low battery condition for the glass break detector, replace the batteries, as shown in Figure 58.



### Figure 58: Installing/Replacing Batteries

Follow these steps to install or replace the batteries:

| Step | Action   |
|------|--|
| 1.   | Remove the detector from the base by turning it counterclockwise.                              |
| 2.   | Remove the depleted batteries and dispose of them as required by local laws.                   |
| 3.   | Replace with 2 CR123A batteries, paying careful attention to the battery polarity.             |
| 4.   | Re-attach the glass break detector to its base. Match the alignment marks and twist clockwise. |
|      | <b>NOTE</b> : If batteries are not installed, the detector cannot be installed to its base.    |





# 6.2.6.4 Testing the Glass Breakage Detector

#### **Functional Test**

| Step | Action   |
|------|--|
| 1.   | Push the test button for two (2) seconds and release. The red LED will be on while the button is pressed. The green LED will blink once to indicate that the unit is in auto test mode for 90 seconds.   |
| 2.   | Activate a glass break simulator in the area of the window or windows that<br>you are attempting to protect with the glass break detector. The glass break<br>detector should first acknowledge the detection of a thud sound by<br>illuminating the green LED and then illuminate the red LED when the unit<br>detects the crash portion of the glass breaking sound. |

#### Wireless Range (RF) Test

| Step | Action   |
|------|--|
| 1.   | Push and hold the test button for five (5) seconds and release. The red LED will illuminate while the button is pressed. |
| 2.   | The green LED will blink twice to indicate that the unit is in RF test mode for 90 seconds.                              |

#### 6.2.6.5 Specifications—GB Detector

#### Glass Type/Thickness

Minimum size for all glass types is  $11^{\circ} \times 11^{\circ}$  (28 cm x 28 cm) square. Glass must be framed, in a wall of the room or mounted in a barrier of 36" (91 cm) minimum width.

| Glass Type              | Minimum to Maximum Thickness          |
|-------------------------|---------------------------------------|
| Plate                   | 1/8 in. to 1/4 in. (3.2 mm to 6.4 mm) |
| Tempered                | 1/8 in. to 1/4 in. (3.2 mm to 6.4 mm) |
| Sealed, Insulating      | 1/8 in. to 1/4 in. (3.2 mm to 6.4 mm) |
| General Specifications  |                                       |
| Operating Temperature   | 32° to 120° F (0° to 49° C)           |
| Operating Rel. Humidity | 5 to 95%, non-condensing              |
| Operating Frequency     | 433.92MHz                             |

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| General Specifications             |   |
|------------------------------------|---|
| Battery Type                       | CR-123A, or equivalent Lithium batteries, two required        |
| Installation Kit:                  | Three (3) Philips-head screws, three (3) plastic wall anchors |
| Sensor Type                        | Single microphone, dual stage—thud and crash                  |
| Approved Glass Break<br>Simulator: | Intellisense Model FG-701                                     |

# 6.2.7 Motion Detector (PIR)

The AT&T model number **SW-ATT-PIR** is a fully supervised, tamper protected infrared motion detector with pet immunity that reports to the DLC, as shown in Figure 59.



### Figure 59: PIR Motion Sensor

The PIR detector has field adjustable pet immunity settings for 33 and 55 pound animals as well as adjustable pulse count settings.

**CAUTION:** Using the mounting brackets in either the -9 degree or -18 degree setting will disable the pet immunity feature.



# 6.2.7.1 Discovering and Registering the PIR Motion Sensor

Follow these steps to discover and register the PIR motion sensor:

| Step | Action  |
|------|---|
| 1.   | Place the DLC into Discovery Mode in DLD.   |
| 2.   | Make the PIR motion sensor discoverable by inserting the battery.<br><u>Alternate Method:</u> Press and hold the tamper switch for two (2) seconds, then release. |
| 3.   | Confirm that the PIR motion sensor has been discovered in DLD.  |
| 4.   | Label the PIR motion sensor in DLD.   |

### 6.2.7.2 Selecting a Mounting Location

- Select a location for the PIR so that an intruder will cross the beams of the selected pattern.
- Do not install the detector in areas where large metal objects might interfere with the transmission of signal.
- Choose a location that is at least 7 ½ feet and less than 8 feet above the floor to mount the PIR.

## 6.2.7.3 Assembling the PIR

The PIR can be mounted to a wall or ceiling using the supplied brackets, as shown in Figure 60.



#### Figure 60: PIR back cover with brackets

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1. Screw the back plate using one of the back side mounting holes to Part B.

**NOTE**: The screw holes on the back plate must be drilled out in order to attach the mounting bracket.

- 2. Screw Part C to Part B.
- For corner mounting, select bracket Part D and for wall mounting select bracket Part E.

# 6.2.7.4 Wall Mounting

- 1. Use the selected bracket as a template to locate the mounting holes and mark with a pencil.
- 2. Choose a location that is at least 7 ½ feet and less than 8 feet above the floor to mount the PIR.
- 3. Mount the selected part to the wall using the supplied screws and anchors.
- 4. Place the back plate assembly onto the shaft of the bracket.
- 5. Secure the back plate/bracket assembly by inserting a screw into the shaft of the selected bracket.
- 6. Press the button on the bottom of the PIR to disengage the back plate.
- 7. Using a small Philips-head screwdriver, punch through the plastic on the two wall mounting holes located on the inside of the mounting plate.
- 8. Use the supplied long screws and anchors to mount the PIR back plate using the two mounting holes as shown in Figure 61.



## Figure 61: PIR Wall Mount Screw Holes

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9. Install the battery into the PIR, observing the proper battery polarity.

**NOTE**: There is a power up delay of approximately ten seconds.

10. Attach the PIR assembly onto the back plate on the wall.

**NOTE**: The back plate must be mounted with the button for releasing the device on the bottom.

# 6.2.7.5 Corner Mounting

- 1. Press the button on the bottom of the PIR to disengage the back plate.
- 2. Using a small Philips-head screwdriver, remove the plastic from the top mounting holes on the side of the back plate.
- Choose a location that is at least 7 <sup>1</sup>/<sub>2</sub> feet and less than 8 feet above the floor to mount the PIR.
- 4. Use the supplied long screws and anchors to mount the PIR back plate using the two upper corner mounting holes, as shown in Figure 62.



Figure 62: PIR Back Cover with Corner Mount Screw Holes

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5. Install the battery into the PIR, observing the proper battery polarity.

**NOTE**: There is a power up delay of approximately ten seconds.

6. Attach the PIR assembly onto the back plate.

**NOTE**: The back plate must be mounted with the button for releasing the device on the bottom.

# 6.2.7.6 Configuring the PIR

# Jumper Settings

- 1. The 15K and High Sensitivity setting (factory default) offer the highest level of protection. This setting allows for pet immunity for animals up to 33 pounds and is recommended for installations where no pet immunity is required.
- 2. The 25K and High Sensitivity setting allow for pet immunity for animals of up to 55 pounds while providing excellent coverage.
- 3. The use of the Low Sensitivity setting is not recommended when used with the 25K setting.

# Additional Detection Options

When you mount the PIR using the supplied brackets, you can adjust the angles for additional detection options.

- 1. For installations that *require pet immunity*, the bracket angle must be 0 degrees.
- 2. For installations with <u>no pet immunity requirement</u> setting the bracket angle at -9 degrees will customize the PIR for a room size of approximately 15 feet x 15 feet.
- 3. For installations with <u>no pet immunity requirement</u> setting the bracket angle at -18 degrees will customize the PIR for a room size of approximately 10 feet x 10 feet.





# 6.2.7.7 Installing/Replacing Battery

The PIR motion sensor includes low battery detection. When the system indicates a low battery condition on the PIR, replace the battery by following these steps:

| Step | Action   |
|------|--|
| 1.   | Press the button on the bottom of the PIR to disengage it from the back plate. |
| 2.   | Remove the depleted battery and dispose of them as required by local laws.     |
| 3.   | Insert the replacement battery, paying careful attention to the polarity.      |
| 4.   | Re-install the PIR to its back plate.  |
| 5.   | Test the PIR by entering the Walk/RF Test Mode.                                |

# 6.2.7.8 Testing the PIR

The PIR sensor includes a walk-test feature. Test the PIR by following these steps:

| Step | Action   |
|------|--|
| 1.   | To enter the Walk/RF Test mode, press the button on the right hand side of the PIR. The PIR will remain in the Walk/RF Test mode for one minute.                             |
| 2.   | Move in the area that is to be covered by the PIR.   |
| 3.   | Observe that the red LED on the PIR flashed as you move. Note that the LED will flash approximately once every three (3) seconds.  |
| 4.   | If your testing is not completed within the one minute period, you may re-<br>enter the Walk/RF Test mode again by pressing the button on the right hand<br>side of the PIR. |

## 6.2.7.9 Specifications—PIR Motion Sensor

| General Specifications  |                               |  |  |  |
|-------------------------|-------------------------------|--|--|--|
| Operating Temperature   | 32° to 100° F (0° to 38° C)   |  |  |  |
| Operating Rel. Humidity | 5 to 95%, non-condensing      |  |  |  |
| Operating Frequency     | 433.92MHz                     |  |  |  |
| Battery                 | 3-Volt CR123A Lithium Battery |  |  |  |
| PIR Sleep Cycle         | Three (3) minutes             |  |  |  |



#### 6.2.8 Key Fob

The AT&T model number **SW-ATT-FOB** is an encrypted four-button key fob transmitter that features over 16 billion different encrypted code sequences. Three buttons have been assigned a task within the Digital Life System, as shown in Figure 63.



| F | ia | ure | 63 <sup>-</sup> | K | ev   | Foh |
|---|----|-----|-----------------|---|------|-----|
|   | ıy | uic |                 |   | cy i |     |

| Key Fob Functions |   |  |
|-------------------|---|--|
| Button/Function   | Action  |  |
| Arm-Away Button   | Fully arms the security portion of the Digital Life System, including door/window sensors and motion detectors. |  |
| Disarm Button     | Disarms the security portion of the Digital Life System.  |  |
| Arm-Stay Button   | Arms the window/door sensors only. Does not arm the motion detectors on the Digital Life System.                |  |
| Blank Button      | No action.  |  |

The key fob is battery operated. Under normal operation when a button is pressed on the key fob, the red LED at the top of the key fob will emit a solid flash during the transmission to the DLC. If the battery in the key fob is low and needs to be replaced, when a button is depressed, the red LED will flash quickly during the transmission to the DLC.

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# 6.2.8.1 Discovering and Registering the Key Fob

Follow these steps to discover and register the key fob:

| Step | Action   |
|------|--|
| 1.   | Place the DLC into Discovery Mode in DLD.  |
| 2.   | Make the key fob discoverable by pressing and holding all four (4) buttons simultaneously. |
| 3.   | Confirm that the key fob has been discovered in DLD.                                       |
| 4.   | Label the key fob in DLD.  |

### 6.2.8.2 Replacing the Batteries

Batteries are installed in the SW-ATT-FOB during the production process. The Key Fob is ready to use right out of the box. Follow these steps to change the batteries:

- 1. Remove the top cover by inserting a coin in the slot located at the bottom of the key fob and turn it 90 degrees.
- 2. Use a small Philips head screwdriver to remove the screw located in the center of the printed circuit board. (Do not discard the screws.)
- 3. Remove the printed circuit board.
- 4. Remove the two depleted batteries and dispose of them as required by local laws.
- 5. Insert the replacement batteries, paying careful attention to the batteries polarity.

**NOTE:** The (+) side of the batteries should be facing down.

- 6. Replace the printed circuit board with the side with the two large circles facing the batteries.
- 7. Secure the printed circuit board by screwing it in place with the screw previously removed using a small Philips-head screwdriver.
- 8. Snap the cover of the key fob transmitter over the base assembly.
- 9. Verify that the key fob is working properly by pushing the buttons. You will see the red LED illuminate if the transmitter is working.



# 6.2.8.3 Specifications—Key Fob

| General Specifications  |  |
|-------------------------|--|
| Operating Temperature   | 32° to 120° F (0° to 49° C)                  |
| Operating Rel. Humidity | 5 to 95%, non-condensing                     |
| Operating Frequency     | 433.92MHz                                    |
| Battery                 | 3-Volt CR2025 Lithium Battery, two required. |

#### 6.2.9 Takeover Module

When Digital Life installations are performed in locations with existing wired security systems, an AT&T model number **SW-ATT-TAKE** Takeover Module may be utilized to re-use the existing wired, passive resistive terminated contact switches, e.g., window/door contacts, and re-use the existing wiring to keypads for powering two-way 915MHz wireless keypads. (See Figure 64 and Figure 65.)

**NOTE:** The Takeover Module can only be tested for UL 1023 certification.



#### Figure 64: Takeover Module Connections

Figure 65: Takeover Module



The Takeover Module will be installed at the location of the existing security cabinet. The Takeover Module supports eight wired zones and includes wiring terminals for terminating the wiring going to existing wired window/door contacts. The Takeover Module communicates with the 433/915MHz Transceiver Module in the DLC Cabinet via the proprietary one-way 433MHz communication protocol. In most installations the Takeover Module will be installed adjacent to the DLC Cabinet, but in some installations it may be installed in a different location in the home. All of the zones in the Takeover Module act as supervised wireless zones in the DLS.

**NOTE:** DO NOT connect the DLC Cabinet to an AC power outlet that is controlled by a switch.

The Takeover Module is equipped with 24 hour battery backup. When the Takeover Module is operating during a local power failure condition, it will not supply power to the two-way 915MHz wireless keypads. The two-way 915MHz wireless keypads are equipped with 24 hour battery backup.

When the Takeover Module is installed, it will only be used to takeover existing wired window/door contacts. Wired sirens, smoke detectors, CO detectors and motion detectors will be replaced with wireless sirens, smoke detectors, CO detectors and motion detectors.



# 6.2.9.1 Discovering and Registering the Takeover Module

Follow these steps to discover and register the takeover module:

| Step | Action   |
|------|--|
| 1.   | Place the DLC into Discovery Mode in DLD.  |
| 2.   | Make the takeover module discoverable by inserting the batteries.<br><u>Alternate Method</u> : Press the tamper switch located in the middle of the board. |
| 3.   | Confirm that the takeover module has been discovered in DLD.   |
| 4.   | Label the takeover module and zones in DLD.  |

### 6.2.9.2 Installation and Mounting Guidelines

Screw the mounting bracket to the wall with the included hardware. The bracket and Takeover Module must be mounted within RF range of the DLC, as shown in Figure 66.

**NOTE:** Signals will not be received if the Takeover Module is not within range of the DLC.



Figure 66: Takeover Module Mounted

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### 6.2.9.3 Connecting Wired Zones

The Takeover Module determines the presence and status of each zone based on the zone's loop resistance. Each wired zone is supplied with a 5.1K Ohm resistor installed. Before using the prewired zone, close all the contacts in the zone and confirm that the zone resistance is between 2.2K and 6K Ohms.

- 1. Remove AC power from the existing wired panel
- 2. Remove leads from battery on existing wired panel
- 3. With power removed, disconnect the hardwired zones from the existing panel
- 4. Remove the supplied resistor from the zone(s) connector to be used.
- 5. Each hardwired zone wire pair goes to a pair of connectors in the Takeover Module. (See Figure 67.)



#### Figure 67: Takeover Module - Hardwired Zone Connectors

## 6.2.9.4 Powering the 915MHz Two-Way Keypad

The Takeover Module can be used to power the 915MHz Two-Way Keypad. This is done by using an existing pair of wires to the previous wired keypad location.

To power the two-way keypad using the takeover module, do the following:

1. Remove AC power from the existing wired panel



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- 2. Remove leads from battery on existing wired panel
- 3. With power removed from existing security panel, disconnect the keypad wires from the existing keypad.
- 4. Replace the existing keypad with a 915MHz Two-Way Keypad; remember which wires were used for DC+ and DC– to the previous wired keypad.
- 5. Connect the DC+ and DC- keypad wires from the previous wired keypad to the keypad connectors in the Takeover Module, as shown in Figure 68.



Figure 68: Takeover Module - Powering 915MHz Two-Way Keypad

The Takeover Module can be used to power one or two 915MHz Two-Way Keypads. If the Takeover Module is used to power two 915MHz Two-Way Keypads, the wires from the two keypads should be connected in parallel to the keypad connectors in the Takeover Module.

# 6.2.9.5 Connecting Power

The Takeover Module is supplied by 9-16VDC power from an AC-to-DC Adapter that plugs into an AC power outlet.

The Takeover Module also contains replaceable CR123A batteries for 24 hour battery backup. The Takeover Module **does not** recharge these batteries. The Takeover

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Module **does** monitor the batteries and power supply and will signal the DLS when the Takeover Module is operating on battery backup and/or the batteries are low.

The green LED on the Takeover Module illuminates solid when the batteries are fully or partially charged, flashes when the batteries are low, and is off when not powered.

Follow these instructions to connect the Takeover Module to a power source:

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ligital*life* 

| Step | Action  |
|------|---|
| 1.   | Connect the power wire pair from the AC to DC converter to the power connectors in the Takeover Module with the positive (+) wire on the left side and the negative (–) wire on the right side. (See Figure 69.). |

#### Figure 69: Takeover Module - DC Power Input







| Step | Action  |
|------|---|
| 2.   | Install the 2x CR123A batteries. (See Figure 70.) |

# Figure 70: Takeover Module - 24-Hour Battery Backup



| Step | Action   |
|------|--|
| 3.   | Connect the two power wires to the AC to DC power adapter.   |
|      | <b>NOTE:</b> Pay close attention to the polarity, (+) and (-), indicated on the AC to DC power adapter.                    |
| 4.   | Plug the AC to DC power adapter into an AC power outlet. (See Figure 71).  |
| 5.   | Install the retaining screw into the plastic tab located at the top of the unit to secure the unit to the AC power outlet. |
|      | <b>NOTE:</b> For U.S installations only: Use the supplied power cube mounting bracket. Not for use in Canada.              |





#### Figure 71: Takeover Module - AC to DC Adapter Plugged into AC Power Outlet

**NOTE:** DO NOT connect the AC-to-DC Adapter to an AC power outlet that is controlled by a switch.

## 6.2.9.6 Enrolling the Transmitter

Install the batteries in the Takeover Module while the DLC is in the "Discovery" mode.

Once the Takeover Module is registered the Digital Life Controller, the DLC automatically knows the corresponding zone. Each zone **DOES NOT** need to be discovered individually.



### 6.2.9.7 Final Installation

For final installation, do the following:

**STEP 1.** Use the included strain relief bracket to prevent wires from being accidently pulled out of their connectors.

| Action   | Device Photo/Illustration |
|--|---------------------------|
| <ol> <li>Slide bracket over all the wire<br/>pairs. The wire pairs go into the<br/>long slot.</li> </ol> |                           |
| <ol><li>Turn the bracket half a turn to<br/>capture the wires.</li></ol>                                 |                           |
| 3. Slide the bracket into the slots on the case back.  |                           |

#### STEP 2. Install the case and Takeover Module.

| Ac | tion   | Device Photo/Illustration |
|----|--|---------------------------|
| 1. | Attach the case front by snapping it to the case back.   |                           |
|    | <b>NOTE:</b> Be careful to capture the strain relieved wires.  |                           |
| 2. | Attach the Takeover Module to the<br>wall mount bracket by aligning the<br>bracket posts with case holes and<br>sliding the case down. |                           |



#### **IMPORTANT!**

- 1. All of the zones in the Takeover Module are "normally closed" zones.
- 2. The loop resistance should be between 2.2K and 6K Ohms. If the loop resistance is out of range, then the end of line resistor must be changed or the wiring must be repaired.

#### WARNING:

The Takeover Module cannot be used to power or monitor any type of Fire or CO detection zone.

The Takeover Module does not power or monitor PIR or Glass Break devices.

### 6.2.9.8 Specifications—Takeover Module

| General Specifications |   |
|------------------------|---|
| Wireless signal range  | TBD 350ft, open air   |
| Code Outputs           | For device: Power up, Tamper, Low battery,<br>Supervisory, AC power, DC (battery) power.<br>For each Zone: Open, Short, Restore |
| Transmitter frequency  | 433.92MHz   |
| Supervisory Interval   | 60-70 min   |
| Peak Field Strength    | TBD   |
| Dimensions:            | Approx 4.75 x 3.00 x 1.5 in   |
| Weight                 | Approx 8.0 Oz   |
| Housing                | ABS plastic   |
| Color                  | White   |
| Operating Temperature  | 32°F to 120°F (0°C to 49°C)   |
| Relative Humidity      | 5-95% non-condensing  |
| Operating Voltage      | 9-16 VDC, TBDmA   |
| Regulatory Listing(s)  | UL, FCC part 15 (both pending)  |
| Included Accessories   | Mounting plate, two (2) screws, two (2) plastic drywall anchors, one (1) 14VDC power supply                                     |





#### 6.2.10 433MHz Repeater

The AT&T module number **SW-ATT-RPT4** is an r433MHz Repeater for one-way 433MHz devices, as shown in Figure 72.



Figure 72: 433MHz Repeater

The RPT4 repeater is a peripheral device that communicates with the DLC using a oneway 433MHz transmitter. The RPT4 receives and recognizes messages from other 433MHz devices using a one-way 433MHz receiver and repeats those messages to extend the range of these devices. The RPT4 repeater has the capacity to learn and retransmit the TX-ID and its status for up to sixteen (16) sensors.

The RPT4 repeater is plugged into an AC power outlet and is equipped with batteries which support 24 hour battery backup under conditions of local power failure. When the power source for the RPT4 changes from AC power to battery backup, or from battery backup to AC power, the RPT4 will automatically send a message to the DLC within two (2) minutes indicating that the power source has changed. In addition the supervisory messages that are sent from the RTP4 repeater approximately once an hour indicates whether the RTP4 repeater is currently operating on AC power or battery backup.

The RPT4 repeater is used to "repeat" signals from 433MHz devices that are unable to directly communicate with the DLC. Typically the RPT4 repeater will be installed at the mid-point between the DLC and the 433MHz device(s) that is being repeated. When a transmission from a 433MHz device is repeated by the RTP4 repeater, the repeater adds an additional bit to the transmission so that the DLC will be aware that the transmission is not coming directly from a 433MHz device.

The RTP4 is equipped with a status LED on the front surface of the unit and a Learn Button that it located on the side of the unit.



# 6.2.10.1 Status LED Indicators and LEARN Button Operation

| Status LED Indicator | Status LED Indicators—RPT4  |  |  |
|----------------------|---|--|--|
| Learn Mode           | Press the Learn button for three (3) seconds and release. The LED lights for 15 seconds indicating that the repeater is in the learn mode.                          |  |  |
| Transmitter Learn    | Flashes 2 times indicating that the transmitter has been learned.   |  |  |
| Learn Mode Exit      | LED turns off.  |  |  |
| TX Memory            | LED blinks one time for each transmitter learned by the repeater—8 blinks imply 8 learned TX.   |  |  |
| Memory Erase         | LED blinks 1 time approximately 5 seconds after the completion of the TX memory count.  |  |  |
| RF Detected          | LED brightly flashes intermittently when any learned RF packet is detected and repeated. LED dimly flashes intermittently when non-learned RF packets are received. |  |  |

## 6.2.10.2 Repeater Function

When the RTP4 repeater receives a transmission for a 433MHz device, the following occurs:

- For unlearned transmitters the transmission is ignored.
- For learned transmitters the repeater re-transmits exact TX-ID and conditions to the central receiver and adds an additional bit which indicates to the DLC that the transmission has been repeated by a repeater.

**NOTE:** All Key Fob transmissions are repeated and do not need to be learned into the repeater.

## 6.2.10.3 Learning Transmitters

Transmitters are learned by the repeater by use of the "Learn Button." Push and hold the learn button three (3) seconds and release. An integral LED indicator illuminates, indicating that the repeater is in the transmitter learn mode.

**NOTE:** If no action occurs on the repeater module within fifteen (15) seconds, the LED extinguishes and the repeater module automatically exits the "Learn Mode."



Transmitters are learned via the repeater by tamper or power on actuation of the actual transmitter (fault & restore in 2 seconds. (See list in basic specifications.)

- 1. Once a transmitter is learned the integral LED indicator blinks two (2) times verifying that the transmitter has been learned by the repeater.
- 2. The repeater automatically exits the "Learn Mode."
- 3. To learn additions transmitters, repeat Steps 1 and 2.

**NOTE:** Key Fobs are always repeated and do not need to be learned into the Repeater memory.

#### 6.2.10.4 Determining the number of transmitters learned into the memory

- 1. Push and hold the "Learn" button.
- 2. Continue to hold the "Learn" button.
- After approximately five (5) seconds the LED counts out the number of transmitters learned by the repeater by blinking one (1) time for every transmitter learned by the repeater. Example: Eight (8) blinks indicate that eight (8) transmitters have been learned by the repeater.
- 4. Release the "Learn" button after the flashes start.

## 6.2.10.5 Erasing Transmitters from Memory

- 1. Push and hold the "Learn" button.
- 2. Continue to hold the "Learn" button.
- 3. After approximately five (5) seconds the LED counts out the number of transmitters learned by the repeater by blinking one (1) time for every transmitter learned by the repeater.
- 4. Continue to hold the "Learn Button."
- 5. Approximately five (5) seconds after counting the number of transmitters learned by the repeater, the LED blinks indicating that the memory has been erased
- 6. Release the "Learn Button."

# 6.2.10.6 Discovering and Registering the 433MHz Repeater

Follow these steps to discover and register the 433MHz repeater:

| Step | Action   |
|------|--|
| 1.   | Place the DLC into Discovery Mode in DLD.  |
| 2.   | Make the 433MHZ Repeater discoverable by inserting the batteries and plugging into an AC power outlet. |
| 3.   | Confirm that the 433MHz Repeater has been discovered in DLD.   |
| 4.   | Label the 433MHz Repeater in DLD.  |

## 6.2.10.7 Installing the 433MHz Repeater

The installation kit includes One (1) retaining screw. To install the 433MHz repeater, plug it into a 120V AC outlet. Use the retaining screw to secure the repeater into the AC wall socket.

Back-up power for the SW-ATT-RPT4 is provided by two (2) lithium CR123A non-rechargeable batteries.

## 6.2.10.8 Specifications—433MHz Repeater

| General Specifications—RPT4 |  |
|-----------------------------|--|
| Compatible Panels           | Digital Life Controller  |
| Backup Power                | 2x CR123A lithium batteries  |
| Battery Type                | CR123A lithium   |
| Required Batteries          | 2  |
| Frequency                   | 433.92MHz  |
| Operating Environment       | Temperature: 32°F (0°C) to 120°F (49°C Relative Humidity: 5 to 95% non-condensing                          |
| Physical Dimensions         | Overall Size: 5.0 inch x 2.6 inches x 1.3 inches<br>Material: High impact ABS Plastic<br>Color: AT&T White |
| Power                       | Nominal Input Voltage: 120V AC, 50/60 HZ<br>Nominal Current: Less than 100 milliamperes                    |

| Specifications—RPT4 RF Receiver |   |
|---------------------------------|---|
| Receiver Type                   | Crystal controlled                                  |
| Receiver Frequency              | 433.92MHz   |
| Receiver Output                 | Internal Antenna in Digital Life Controller Cabinet |

| Specifications—RPT4 RF Transmitter |  |  |
|------------------------------------|--|--|
| Transmitter Type                   | Crystal controlled   |  |
| Transmitter Frequency              | 433.92MHz  |  |
| Transmitter Range                  | 500 feet minimum with REC receiver unit.   |  |
| Transmitter Output                 | Eight transmissions with a random delay of 50 - 360ms between packets (anti-clashing)                      |  |
| Transmitter Reports                | Status (transmitter condition)<br>Low Battery<br>Low Battery Restore<br>AC Power Source<br>DC Power Source |  |

## 6.2.10.9 Installing/Replacing Batteries

The repeater has two non-rechargeable CR123 batteries as a backup power supply. The batteries can be replaced by opening the battery compartment located on the rear of the unit.

## 6.2.11 Temperature/Flood Sensor (Not Evaluated by UL)

The AT&T model number **SW-ATT-TF Sensor** is a fully supervised, tamper protected sensor that will monitor either the ambient temperature or will detect a flood/no flood condition. The sensor reports temperature and flood/no floods conditions to the DLC. You can configure the sensor in one of three ways:

- Detect temperature only
- Detect flood/no flood only
- Detect temperature and flood/no flood conditions.



# 6.2.11.1 Flood Conditions

Once the sensor detects the presence of water, the integral transmitter will send a flood alarm transmission to the DLC. The sensor will also send a restore (no flood) report when the presence of water is no longer detected by the flood sensor. For flood reporting the sensor requires the addition of the supplied external flood sensor. The sensor is capable of detecting clean or dirty fresh water, salt water, or tap water.

# 6.2.11.2 Temperature Conditions

The temperature sensor will check the ambient temperature approximately once per minute. If the temperature has changed by three (3) degrees F or more since the sensors last 3 degree report the integral transmitter will send a temperature report to the DLC. (Check the installation section for required wiring for the sensor if it is used in temperature only configuration.) The temperature sensor does not send a restore message, but does send an ambient temperature report approximately once an hour.

# 6.2.11.3 Discovering and Registering the Temperature/Flood Sensor

| Step | Action  |  |
|------|---|--|
| 1.   | Place the DLC into Discovery Mode in DLD.   |  |
| 2.   | Make the Temperature/Flood Sensor discoverable by inserting the three batteries.<br><u>Alternate Method</u> : Remove and reinstall the back case. |  |
| 3.   | Confirm that the Temperature/Flood Sensor has been discovered in DLD.   |  |
| 4.   | Label the Temperature/Flood Sensor in DLD.  |  |

Follow these steps to discover and register the Temperature/ Flood Sensor:

# 6.2.11.4 Installing/Mounting the Temperature/Flood Sensor Transmitter

The SW-ATT-TF includes a mounting plate and accessory hardware. While the sensor can be mounted directly to a surface, it is recommended that the mounting plate be used for ease of removal for servicing. The sensor and mounting plate are shown in Figure 73.





#### Figure 73: Mounting the Temperature/Flood Sensor

Follow these steps to install or replace the battery:

| Step | Action  |
|------|---|
| 1.   | Use the device mounting plate as a template for locating the mounting holes and mark the locations with a pencil.   |
| 2.   | Drill the holes for the screws  |
| 3.   | Secure the mounting plate with the screws provided.   |
| 4.   | Secure the sensor to the mounting plate by carefully guiding the sensor over<br>the mounting plate. The sensor will snap into place when it is secured into<br>place. |

# 6.2.11.5 Configuring the Sensor

# Temperature Only Operation

Install the supplied 2.2 Megaohm resistor between the Flood Sensor screw terminals on the sensor circuit board. (See Figure 74.).



Figure 74: Temperature Only Configuration



### Temperature/Flood Operation

The flood detector is supplied with a four-foot wire that is connected to the flood sensor. (See Figure 75).

- 1. Connect the flood sensor to the screw terminals located on the sensor circuit board.
- 2. Connect the 2.2 Megaohm resistor across the two screw terminals located on the flood sensor.



#### Figure 75: Temperature/Flood Configuration



# Flood Only Operation

The sensor is designed to automatically detect the ambient temperature of the area where it is located. For flood only applications, the software executing on the DLC will ignore the temperature reports.

# 6.2.11.6 Installing/Replacing Battery

If the battery voltage falls below a prescribed voltage level, the integral transmitter sends a low battery report to the DLC. When the system indicates that the sensor battery is low, replace it immediately.

The temperature/flood sensor requires one 3-Volt CR2 lithium battery. See Figure 76 for steps concerning installing the battery.



#### Figure 76: Install Battery in Temperature/Flood Sensor

Follow these steps to install or replace the battery:

| Step | Action   |  |
|------|--|--|
| 1.   | Pressing on the end release button, (see Figure 76) and remove the cover.  |  |
| 2.   | Remove the depleted battery and dispose of the battery as required by local laws. (Disregard this step for new system installation.)                 |  |
| 3.   | Insert the replacement battery with the (+) sign facing towards the middle of the sensor. (The side with the spring is the (–) side of the battery.) |  |
| 4.   | Replace the top cover.   |  |
| 5.   | Verify programming and RF communication with the DLC.  |  |

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| Specifications          |   |
|-------------------------|---|
| Operating Temperature   | 32° to 120° F (0° to 49° C)                                 |
| Operating Rel. Humidity | 5 to 95%, non-condensing                                    |
| Operating Frequency     | 433.92MHz   |
| Battery Type            | CR 2 3-volt lithium battery                                 |
| Projected Battery Life  | 7 years (based on 20 activations per day)                   |
| Installation Kit        | Double-faced mounting tape<br>Two (2) 6x32 flat head screws |

# 6.2.11.7 Specifications—Temperature/Flood Sensor

## 6.2.12 Garage Door Tilt Sensor (Not Evaluated by UL)

The AT&T model number **SW-ATT-TILT** is a fully supervised tamper protected Garage Door Sensor that will monitor the opening and closing of a garage door installed in the DLS. It is designed to be mounted on the top section of a sectional garage door. Once the garage door is opened to a minimum angle of 45 degrees the sensor will initiate an alarm (or garage door open) condition. The sensor will also send a restore (or garage door closed) condition when the tamper switch is returned to a position where the angle is less than 45 degrees. If the case of the SW-ATT-TILT is removed for any reason, the radio transmitter will send a tamper alert to the DLC. Should the battery voltage drop below a prescribed level, the SW-ATT-TILT will send a low battery report indicating that the battery requires changing.

## 6.2.12.1 Discovering and Registering the Tilt Garage Door Sensor

Follow these steps to discover and register the Garage Door Tilt Sensor:

| Step | Action  |
|------|---|
| 1.   | Place the DLC into Discovery Mode in DLD.   |
| 2.   | Make the Tilt Garage Door Sensor discoverable by inserting the battery.<br>Alternate Method: Remove the cover and it will activate the tamper switch. |
| 3.   | Confirm that the Tilt Garage Door Sensor has been discovered in DLD.  |
| 4.   | Label the Tilt Garage Door Sensor in DLD.   |



# 6.2.12.2 Installing the Battery

When the system indicates the sensor battery is low, replace it immediately. Use the recommended replacement batteries.

To replace the battery, do the following:

- 1. To remove the sensor cover from the base, press a flathead screwdriver into the slot on the bottom of the sensor, (see Figure 77), and turn the screwdriver 90 degrees.
- Place a small flathead screwdriver in the slot between the metal clip and the battery, then twist the screwdriver slightly while holding back one of the black plastic edges holding the battery. Dispose of the battery as required by local laws.
- 3. Insert the replacement battery with the + sign facing up.
- 4. Verify programming and RF communication with the Digital Life Controller.
- 5. Replace the sensor cover on the base. Align the tamper switch with the plastic tamper tap (See Figure 77.) and snap the cover down on the base.

Figure 77: Install/Replace Battery —Tilt Garage Door Sensor





## 6.2.12.3 Locating the Transmitter

<u>For Sectional Door Installation</u>: The transmitter should be mounted near the top of the top panel of the garage door.

- 1. Make sure that the tamper switch points to the floor.
- Avoid mounting the sensor in areas where it will be exposed to moisture or where the sensor will be exposed to temperatures outside its operating range of 0 to 120° F (0 to 49° C).
- 3. Avoid mounting the sensor in areas with a large quantity of metal or electrical wiring.

## 6.2.12.4 Mounting the Transmitter

To mount the transmitter, do the following:

- 1. To remove the sensor cover from the base, press a flathead screwdriver into the slot on the bottom of the sensor (Figure 77) and turn the screwdriver 90°.
- 2. Use the base of the sensor as a template and mark the mounting holes with a pencil.
- 3. Drill the holes for the screws
- 4. Mount the base with the screws provided.
- 5. Replace the sensor cover on the base by aligning the tamper switch with the plastic tamper tab (Figure 77) and snap the cover down on the base.

## 6.2.12.5 Specifications—Garage Door Tilt Sensor

| General Specifications  |   |
|-------------------------|---|
| Battery                 | CR2032, 3 VDC, 255 mAh, Lithium Coin Cell |
| Typical battery life    | 5 to 8 years                              |
| Operating Temperature   | 32° to 120° F (0° to 49° C)               |
| Operating Rel. Humidity | 5 to 95%, non-condensing                  |
| Operating Frequency     | 433.92MHz                                 |
| Tilt Switch Angle       | 45 degrees                                |

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# 6.3 IP Camera (Not Evaluated by UL)

The Indoor Camera has an Integrated Microcomputer and a high quality digital-imagesensor (DIS), enabling it to display high quality live streaming video.

# 6.3.1 IP Camera AC-to-DC Adapter with Integrated HPAV (Not Evaluated by UL)

AT&T model number **RC8221** is an IP Camera equipped with AC-to-DC Adapter with Integrated HPAV.

To connect an IP Camera AC/DC adapter with integrated HPAV, do the following:

| Ste | p  | Device Photo/Illustration |
|-----|--|---------------------------|
| 1.  | Go to each location where you want<br>to install an IP camera and install the<br>Cat5/Ethernet cable and DC power<br>cable from the AC-to-AC Adapter<br>with integrated HPAV and the IP<br>camera. | Cat5/Ethernet             |
| 2.  | Plug the IP Camera AC/DC Adapter<br>with integrated HPAV into an<br>available AC power outlet.   | DC Power                  |
| 3.  | Repeat Steps 1-2 for each additional IP Camera AC/DC adapter with integrated HPAV installation.  |                           |
| 4.  | Place the DLC in Discovery Mode using DLD.   | AC to DC Adapter          |
| 5.  | Verify the IP Camera(s) has been discovered.   | with Integrated HPAV      |



# 6.3.2 Wi-Fi IP Camera Installation (Not Evaluated by UL)

To connect an IP Camera to Wi-Fi, do the following:

| Ste | ep   | Device Photo/Illustration |
|-----|--|---------------------------|
| 1.  | Connect one end of Ethernet<br>cable into the LAN port on the<br>back of the camera. At this time,<br>please don't connect the power<br>adapter.                                   | LAN                       |
| 2.  | Plug the other end of Ethernet<br>cable into an available port on<br>the customer's Broadband<br>Home Router (BHR).  |                           |
| 3.  | Connect the DC power cord<br>from the camera AC to DC<br>adapter into the power port on<br>the back of the camera.<br>Plug the camera AC to DC<br>adapter into an AC power outlet. | Outlet                    |
| 5.  | Place the DLC in Discovery<br>Mode using DLD.  |                           |
| 6.  | Verify the IP Camera has been discovered.  |                           |
| 7.  | Unplug the Cat5/Ethernet cable from the BHR and the camera   |                           |
| 8.  | Unplug the camera AC-to-DC adapter from the AC power outlet.   |                           |
| 9.  | Move the camera to the selected installation location and plug the AC to DC adapter into an AC power outlet.   |                           |

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# 6.4 Z-Wave Devices (Not Evaluated by UL)

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The Indoor Power Outlet Controller Module RTL.41321 is a Z-Wave device controller, as shown in Figure 78.



#### Figure 78: Indoor Power Outlet Controller Module

This Z-Wave appliance switch can be utilized to control turning lamps and other small appliances on and off. Follow these steps to install the indoor appliance switch:

- 1. Plug the appliance switch into an AC power outlet.
- 2. Plug the lamp or other small appliance into the unit.



# 6.4.1.1 Discovering and Registering the Z-Wave Indoor Power Outlet Controller Module

Follow these steps to discover and register the Indoor Power Outlet Controller Module:

| Step | Action   |
|------|--|
| 1.   | Place the DLC into Discovery Mode in DLD.  |
| 2.   | Plug in the Indoor Power Outlet Controller Module and once it has powered make it discoverable by pressing the learn button on the side of the module. |
| 3.   | Confirm that the Indoor Power Outlet Controller Module has been discovered in DLD.   |
| 4.   | Label the Indoor Power Outlet Controller Module in DLD.  |

## 6.4.1.2 Specifications—Z-Wave Indoor Power Outlet Controller Module

| General Specifications |                             |
|------------------------|-----------------------------|
| Operating Temperature  | 32° to 104° F (0° to 40° C) |
| Power                  | 120 VAC, 60 Hz.             |
| Other                  | For indoor use only.        |


# 7 System Operation

# 7.1 Keypad

You will use the keypad to arm/disarm the system and obtain information concerning the status of the system. The system has three (3) primary states:

- Ready to Arm all of the supervised devices are in the closed state
- Not Ready to Arm one, or more, of the supervised devices is not in the closed state
- Armed system is in the Armed AWAY or Armed STAY mode

The diagram of the keypad and its functions are shown in Figure 79.



Figure 79: Keypad Operation

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The keypad provides access to system operation, including the following functions:

- Arm-STAY
- Arm-AWAY
- BYPASS
- Disarm
- Duress Code
- Fire Emergency
- Aux Emergency
- Police Emergency

The customer must enter a four (4) digit Security Code into the keypad in order to disarm the system. The customer creates their four (4) digit Security Code using a Web tool. The customer uses the same Web tool to create their optional four (4) digit Duress Code. The Security Code and Duress Code must be different.

# 7.1.1 Ready to Arm

The system is ready to be armed, as shown in Figure 80.





The READY (Green) LED is on and no message is displayed on the LCD.



#### 7.1.2 Not Ready to Arm

The system is not ready to arm because one, or more, of the supervised devices is not in the closed state. The keypad will display the number of devices that are not in the closed state, as shown in Figure 81.

#### Figure 81: Keypad – Number of Open State Devices



Afterwards the keypad will display the name of the open state device(s) and cycle through the device list. Each open state device will display on a separate line, as shown in Figure 82 and Figure 83.



#### Figure 82: Keypad – List of Open State Devices (Bedroom Window)

#### Figure 83: Keypad - List of Open State Devices (Kitchen Door)



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# 7.1.3 Arming the System—STAY

**NOTE:** Close all perimeter windows and doors before arming.

Press the STAY key to arm the perimeter sensors only. The system starts an exit delay time period. The keypad chirps and the LCD displays "Arming - Exit Now," as shown in Figure 84.

#### Figure 84: Keypad – Arming - Exit Now



You should exit through the designated entry/exit door(s) before the exit delay time period expires. After the exit delay time period expires, the system is in the Armed-STAY mode, as shown in Figure 85. The ARMED (Red) LED is illuminated and the LCD displays "Armed - STAY".

**NOTE:** You may disarm the system during the exit delay time period by entering the four (4) digit Security Code.







# 7.1.4 Arming the System—AWAY

**NOTE:** Close all perimeter windows and doors before arming.

Press the AWAY key to arm all of the sensors, including perimeter and interior sensors. The system generates an exit delay time period. The keypad chirps and the LCD displays "Arming - Exit Now," as shown in Figure 86.

Figure 86: Keypad – Arming - Exit Now

# ARMED • Arming – Exit READY • Now

You should exit through the designated entry/exit door(s) before the exit delay time period expires. You may disarm the system during the exit delay time period by entering the four (4) digit Security Code. After the exit delay time period expires, the system is in the Armed—AWAY mode, as shown in Figure 87. The ARMED (Red) LED is illuminated and the LCD displays "Armed - AWAY".

#### Figure 87: Keypad – Armed - AWAY





# 7.1.5 Arming the System-BYPASS

When arming the system for STAY or AWAY, you may get a message indicating that the system cannot arm because a sensor(s) is in an opened state, such as a window and/or door, as shown in Figure 88. You may close the open sensor(s) before arming or utilize the BYPASS feature.





The LCD will display "Press BYPASS to Proceed", as shown in Figure 89.

#### Figure 89: Keypad - BYPASS



The identity of the open sensor(s) will appear in the LCD display, as shown in Figure 90.

#### Figure 90: Keypad – Example: Bedroom Window Open



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To proceed with arming the system, either close the open sensor(s) or press the BYPASS key to bypass the sensor(s). The system will proceed with the Arming STAY/AWAY sequence, as shown in Figure 91.





You should exit through the designated entry/exit door(s) before the exit delay time period expires. After the exit delay time period expires, the system is in the Armed-STAY or Armed-AWAY mode. The ARMED (Red) LED is illuminated and the LCD displays "Armed - STAY" or "Armed –AWAY".

**NOTE:** You may disarm the system during the exit delay time period by entering the four (4) digit Security Code.

If the system is in the "Not Ready to Arm" state and the BYPASS button is pressed prior to pressing the STAY or AWAY button, the LCD displays the following message "Press STAY or AWAY," as shown in Figure 92.



#### Figure 92: Keypad – BYPASS in Ready to Arm State



# 7.1.6 Disarming the System – Entry Delay

When the system is in the Armed-AWAY or Armed-STAY mode and you enter the residence through a designated entry/exit door, the system generates an entry delay and the keypad begins chirping. The entry delay allows you to get to the keypad and enter your code before the system sounds an alarm. The keypad chirps slowly for during the entry delay and then chirps fast for the last ten (10) seconds and the LCD displays "Alarm – Enter Code to Cancel," as shown in Figure 93.





After you enter the four (4) digit Security Code, the LCD will display "Ready to Arm." (See Figure 94.)







# 7.1.7 Disarming the System

When the system is in the Armed-STAY mode, you enter the four (4) digit Security Code to disarm the system. (See Figure 95).





After you enter the four (4) digit Security Code, the LCD will display "Ready to Arm." (See Figure 96.)



| ARMED . |   |  |
|---------|---|--|
| READY   |   |  |
| READY   | _ |  |



# 7.1.8 Alarm Sounding–Cancel Alarm

If an alarm is triggered by opening a protected window or door while the system is armed, the siren will start sounding, the keypad starts chirping, and the LCD displays "Alarm – Enter Code to Cancel," as shown in Figure 97.

#### Figure 97: Keypad – Alarm, Enter Code to Cancel



The keypad also displays the name of the device(s) that is/are triggered, as shown in Figure 98.







You can clear the alarm by entering your four (4) digit Security Code. The LCD will display "Alarm Canceled" and then "Ready to Arm", as shown in Figure 99 and Figure 100.





Figure 100: Keypad – Ready to arm





# 7.1.9 Fire Emergency

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In the case of a fire, press the FIRE button. You will be prompted to press the asterisk (\*) key to confirm the Fire Emergency. After you press the asterisk (\*) key, a fire alarm will be sent to the AT&T Digital Life Central Monitoring Center and the keypad will display "Fire Emergency Sent," as shown in Figure 101 and Figure 102.

#### Figure 101: Keypad - Confirm Fire



#### Figure 102: Keypad - Fire Alarm Sent



The alarm has been sent to the AT&T Digital Life Central Monitoring Center and after a few seconds the "Alarm – Enter Code to Cancel," message displays, as shown in Figure 103. You may cancel the alarm by entering your four (4) digit Security Code on the keypad.





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# 7.1.10 AUX (Auxiliary) Emergency

An AUX Emergency is any emergency other than Police and/or Fire. In case of an Auxiliary Emergency, press the AUX button. You will be prompted to press the asterisk (\*) key to confirm the AUX Emergency. After you press the asterisk (\*) key, an AUX Emergency Alarm will automatically be sent to the AT&T Digital Life Central Monitoring Center and the LCD will display "AUX Emergency Sent," as shown in Figure 104 and Figure 105.





#### Figure 105: Keypad – Aux Emergency Sent



The alarm has been sent to the AT&T Digital Life Central Monitoring Center and after a few seconds the "Alarm – enter code to cancel," message displays, as shown in Figure 106. You may cancel the alarm by entering your four (4) digit Security Code on the keypad.





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# 7.1.11 Police Emergency

In case of a police emergency, press the POLICE button. You will be prompted to press the asterisk (\*) key to confirm the Police Emergency. After you press the asterisk (\*) key, a Police Emergency Alarm will automatically be sent to the AT&T Digital Life Central Monitoring Center and the LCD will display "Police Emergency Sent." as shown in Figure 107 and Figure 108





Figure 108: Keypad - Police Emergency Sent



The alarm has been sent to the AT&T Digital Life Central Monitoring Center and after a few seconds the "Alarm – enter code to cancel," message displays, as shown in Figure 109. You may cancel the alarm by entering your four (4) digit Security Code on the keypad.





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# 7.2 Duress Code

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A Web tool is utilized to create an optional four (4) digit Duress Code. Whenever you enter the Duress Code on the keypad, the Duress Alarm will automatically be sent to the AT&T Digital Life Central Monitoring Center and an agent will place a call to the police and report the Duress Alarm. The Duress Code can be entered at any time. Entering the Duress Code generates a silent alarm. The siren will not sound and there will be no indication on the display that the Duress Code has been entered.

# 7.3 Key Fob

A 433MHz one-way four button key fob provides access to system operation, including the following three functions:

- 1. Arm-STAY
- 2. Arm-AWAY
- 3. Disarm

The key fob is depicted in Figure 110. The key fob is utilized to activate Arm-STAY, Arm-WAY and Disarm functions.

If the Arm-STAY or Arm-AWAY button is pressed when the system is in the "Not Ready to Arm" state, the system will automatically enter the BYPASS mode and invoke Arm-STAY or Arm-AWAY.



#### Figure 110: 433MHz One-Way Key Fob

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# 7.4 Web Access via Digital Life Direct – Alarm Manager

Alarm Manager is an application executing on the DLC and is accessible through the Digital Life Direct web interface. The Alarm Manager application can be utilized to:

- Check System Status
- Arm the system in the Armed STAY mode
- Arm the system in the Armed AWAY mode
- Disarm the system

#### 7.4.1 Check System Status

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The System Status can be viewed with Digital Life Direct by:

- Choosing the Devices tab
- Selecting Alarm Manager

System Status is the first entry under Alarm Management Information. (See Figure 111.)

| ACCOUNTS                       |  | EVICES  | SUBSCRIPTIONS | LOGOUT                   |
|--------------------------------|--|---|---------------|--------------------------|
| Accounts: 2575>D               | evice Details  |   |               | +ONLINE +OFFLINE+UNKNOWN |
| Information Devicers Quotes Us | et   |   |               |                          |
| Device Information             |  |   |               |                          |
| Name:                          | Alarm Manager Edit   |   |               |                          |
| Catalog ID:                    | 000010701000004  |   |               |                          |
| Gateway GUID:                  | 30F268311540422E9DE511   | 1300903608  |               |                          |
| Device GUID:                   | AM00000004   |   |               |                          |
| Hardware Serial Number:        | 00000004   |   |               |                          |
| Eimware Version:               | DL.01.00.00  |   |               |                          |
| Software Version:              | SW: 7  |   |               |                          |
| Last Event:                    | 2012-04-12 16:58:02 [GMT   | 11  |               |                          |
| Date Registered:               | 2012-03-12 12:45:26 [GMT   | 0   |               |                          |
| Registered By:                 | tc0370   |   |               |                          |
|                                |  |   |               |                          |
|                                |  |   |               |                          |
| Alarm Manadamont Information   |  |   |               |                          |
| System Status:                 | HOME Arm Away A  | im Stay   |               |                          |
| Court Manufa                   | SP BROOMDS BORD  |   |               |                          |
| Exit Delay:                    | 15 seconds Edit  |   |               |                          |
| Armed Away Device List:        | Back Front, Window<br>Jasons Office<br>Side Door C0004AB                     | Bedroom Door 0575<br>Lennys Office<br>R Motion 4FFFD09            |               |                          |
| Armed Stay Device List:        | Back Front Window     Jations Office     Side Door C0004AB     steelers room | Bedroom Door 05/5     Linnys Office     Motion 4FFFD09     Diange |               |                          |
| Entry Device List:             | Back Front Window<br>Jasons Office<br>Side Door C0004AB                      | Bedroom Door 0575     Lennys Office     Motion 4FFFD09     Change |               |                          |
| Camera Exclusion Ltdl:         | Unknown  |   |               |                          |

#### Figure 111: System Status

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#### 7.4.2 Arming the System

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There are five (5) steps to arming the system using Digital Life Direct:

- 1. Access the "System Status" page within DLD by clicking the Devices tab and viewing Alarm Manager Information.
- 2. Click the "Arm Away" or "Arm Stay" button.
- 3. Wait a few seconds.
- 4. Refresh the browser.
- 5. Verify that the System Status is "Armed/AWAY" or "Armed/STAY".

**NOTE:** These steps apply when arming the system in either Armed/STAY or Armed/ AWAY mode.

**STEP 1.** Access the "System Status" page within DLD.

STEP 2. Click the "Arm Away" or Arm Stay" button.

|  | ACCOUNTS                      | 0                       | EVICES              | SUBSCRIPTIONS | LOGOUT                    |
|--|-------------------------------|-------------------------|---------------------|---------------|---------------------------|
| Accounts 23732 breve otest         Breve Allowed Source Counts Jays Device Count         Breve Allowed Source Count Jays Device Count         Breve Allowed Source Count Jays Device Count         Breve Allowed Source Count Jays Device List:         County Device List:  |                               |                         |                     |               |                           |
| Services         Quotes         Quote  | Accounts: 25755 De            | vice Decails            |                     |               | -ONLINE -OFFLINE -UNKNOWN |
| Device Information           Name:         Alarm Manager         Edit           Catalog ID:         000010701000004         Catalog ID:           Catalog ID:         00000004         Catalog ID:           Catalog ID:         AM0000004         Catalog ID:           Catalog ID:         AM0000004         Catalog ID:           Markurs Seral Number:         D0.01.0.00         Catalog ID:           Softwark Version:         DU. 01.0.00         Catalog ID:           Softwark Version:         Wr. 7         Catalog ID:           Last Event:         2012-04-13 14:44-39 [CMT]         Catalog ID:           Date Registered:         2012-04-13 14:44-39 [CMT]         Catalog ID:           Softwark Version:         Excolors         Excolors         Catalog ID:           System Status:         HOM Markgement Ansay         Exec Trans         Exec Trans           System Status:         ID seccolor Office         Lannys Office         Lannys Office           Armed Assay Device List:         Side Door C0004AB         Motion 4   | formation Destinate Duotas Us | ri l                    |                     |               |                           |
| Name:         Alarm Manager         Edit           Catalog JD:         000010701000004   | Device Information            |                         |                     |               |                           |
| Catalog ID:         000010701000004           Gateway GUD:         3972483115404228005311300903808           Device GUD:         AM0000004           Handware Senial Number:         0000004           Firmware Version:         DL 0.100.00           Software Version:         Senial Number:           2012: 04-13 14/44/39 [GMT]         Date Registered:           2012: 03-12 12/45/26 [GMT]         Registered:           2012: 03-12 12/45/26 [GMT]         Registered:           System Status:         HOM:         Zens Away           System Status:         HOM:         Zens Away           System Status:         HOM:         Zens Away           System Status:         IS seconds         Bedroom Door 0575           Janena Gray Device List:         Siste Reset         Linnys Office           Side Door C000A8         Meton 4FFE009         Entennys Office           Armed Away Device List:         Side Door C000A8         Meton 4FFE09           Entensy Device List:         Side Door C000A8         Meton 4FFE09           Back Front Window         Bedroom Door 0575         Janens Office           Janens Office         Linnys Office         Side Door C000A8           Side Door C000A8         Meton 4FFE09           Side Door C000A8 <td>Name:</td> <td>Alarm Manager Edit</td> <td></td> <td></td> <td></td>  | Name:                         | Alarm Manager Edit      |                     |               |                           |
| Geteway GUD:         30F268311540422E90E51113D0H034DB           Device GUD:         AM0000004           Harbaure Seatt Number:         00000004           Software Version:         Wr. 7           Software Version:         Wr. 7           Saft Event:         2012-03-01 31 91:94:39 [GMT]           Dete Registered:         2012-03-12 12:45:26 [GMT]           Reportered By:         tc3270  | Catalog ID:                   | 000010701000004         |                     |               |                           |
| Device QUD:     AM0000004       Harbars Senial Number:     0000004       Firmware Version:     an: 7       Last Event:     2012-04-13 14:44:39 [GMT]       Dele Registered:     2012-04-13 14:44:39 [GMT]       Registered By:     tc3370         Alum Mangement Information       System Statut:     NOME       Nom Statut:     NOME       Int Event:     15 Seconds       Int Event:     15 Seconds       Int Event:     5 Seconds       Int Event:     15 Seconds       Int Delay:     15 Second  | Gateway GUID:                 | 30F268311540422E9DE511  | 1300903606          |               |                           |
| Hardware Senial Number:         00000004           Firmware Version:         DL.01.00.00           Software Version:         Swr.7           Last Event:         2012-09-12 32:45:26 [GMT]           Registered:         10:370           System Status:         MOME_ArmsAvay_ArmStary           System Status:         NOME_ArmsAvay_ArmStary           East Priorit Window         Eastere           System Status:         Is seconds           Back Front Window         Is deforem Door 0575           Janono Office         Is deforem Door 0575           Janono Of   | Device GUED:                  | AM00000004              |                     |               |                           |
| Firmware Version:     DL.01.00.00       Software Version:     swr: 7       Last Event:     2012-01-12 12:45:26 [GMT]       Registered:     2012-02-12 12:45:26 [GMT]       Registered By:     tc:320         Alarm Manugement Entomation       System Status:     Hotel       Set Design     15 Seconds       Back Front Window     Bedroom Door 0575       Jamed Away Device List:     Back Front Window       Back Front Window     Motion 4FFED09       Zebelers room     Change       Armed Stay Device List:     Side Door C0004AB       Privice List:     Side Door C0004AB       Privi  | Hardware Serial Number:       | 00000004                |                     |               |                           |
| Software Version: swi: 7 Last Event: 2012-04-13 14:4:19 [GMT] Date Registered: 2012-03-12 32:45:26 [GMT] Registered: 2012-03-12 [GMT] Re   | Firmware Version:             | DL.01.00.00             |                     |               |                           |
| Last Event: 2012-04-13 14:44:39 [CMT] Dete Registered: 2012-03-12 12:45:26 [GMT]   | Software Version:             | SW: 7                   |                     |               |                           |
| Dete Registered:     2012-03-12 12:45:26 [GMT]       Registered By:     tc0370       Alam Management Information       System Status:     HOME       System Status:     HOME       Alam Management Information       System Status:     HOME       Ammed Away Device List:     If Seconds       Back Front Window     Bedroom Door 0575       Jacons Office     Lemmys Office       Side Door C0004AB     Metion 4FFFD09       Z steekers room     Change       Back Front Window     Metion AFFFD09       Z steekers room     Change       Back Front Window     Metion AFFFD09       Z steekers room     Change       Image Device List:     Side Door C0004AB       Metion AFFFD09     Side Door C0004AB       Image Device List:     Side Door C0004AB       Image Device List:     Back Front Window       Image Device List:<  | Last Event:                   | 2012-04-13 14:44:39 [GM | *1                  |               |                           |
| Registered By:       tc0370         Alem Management Information         System Statust:       Note:         System Statust:       Note:         Exit Delay:       15 seconds         Exit Delay:       15 seconds         Back Front Window       Bedroom Door 0575         Janom Office       C Linnys Diffice         Armed Amay Device List:       Back Front Window         Back Front Window       Metion 4FFFD09         Steelers room       Change         Entrop Device List:       Back Front Window         Back Front Window       Metion 4FFFD09         Steelers room       Change         Entrop Device List:       Back Front Window         Back Front Window       Metion 4FFFD09         Steelers room       Change         Entrop Office       Linnys Office         Steelers room       Change         Entrop Office       Motion 4FFFD09         Steelers room       Change         Entrop Device List:       Back Front Window         Back Front Window       Bedroom Door 0575         Jaions Office       Unrys Office         Back Front Window       Bedroom Door 0575         Jaions Office       Unrys Office         Steeler   | Date Registered:              | 2012-03-12 12:45:26 [GM | 7]                  |               |                           |
| Alem Management Information System Status: HOME Arm Away Arm Stay Composing County Cou   | Registered By:                | tc0370                  |                     |               |                           |
| Alem Markgement Information         System Status:       NOME       Arm Away       Arm Stay         Cmry semp:       15 Seconds       Edd         Exit Delay:       15 Seconds       Edd         Back Front Window       Bedreem Dear 0575         Janons Office       Lumnys Office         Side Door C0004AB       Mation 4FFFD09         Steelers room       Change         Armed Stay Device List:       Side Door C0004AB         Back Front Window       K Bedrom Door 0575         Janons Office       Lumnys Office         Armed Assay Device List:       Side Door C0004AB         Back Front Window       K Bedroem Door 0575         Janons Office       Lumnys Office         Fifty Device List:       Side Door C0004AB         Back Front Window       Bedroem Door 0575         Janons Office       Mation 4FFFD09         Steelers room       Dampi         Device List:       Back Front Window         Back Front Window       Bedroem Door 0575         Janons Office       K Motion 4FFFD09         Side Door C0004AB       Bedroem Door 0575         Janons Office       K Unmys Office         Side Door C0004AB       Motion 4FFFD09         Dampi       Da  |                               |                         |                     |               |                           |
| Alam Management Enformation         System Status:       HOME       Arm Away       Arm Stay         Entry George       15 seconds       Edst         Entry Delay:       15 seconds       Edst         Entry Delay:       15 seconds       Edst         Armed Away Device List:       8 Back Front Window       Bedroom Door 0575         Side Door C0004AB       7 Metion 4FFFD09         Entry Device List:       8 Back Front Window         Entry Device List:       8 Back Front Window         Back Front Window       7 Metion 4FFFD09         Entry Device List:       8 Back Front Window         Entry Device List:       8 Back Front Window         Entry Device List:       8 Back Front Window         Back Front Window       7 Metion 4FFFD09         Side Door C0004AB       7 Metion 4FFFD09         Side Door C0004AB       9 Bedroom Door 0575         Jaions Office       9 Bedroom Door 0575         Back Front Window       9 Bedroom Door 0575         Jaions Office       9 Unmys Office         Entry Device List:       8 Back Front Window         Back Front Window       9 Bedroom Door 0575         Jaions Office       9 Unmys Office         Entry Device List:       Back Front Window  |                               |                         |                     |               |                           |
| System Status:       wold       Jam Away       Jam Stay         cmxy cmmy:       15 seconds       Edd         Exit Delay:       15 seconds       Edd         Exit Delay:       15 seconds       Edd         Armed Away Device List:       Back Front Window       Bedroom Door 0575         Jacons Office       Jacons Office       Lumnys Office         Armed Away Device List:       Back Front Window       Redroom Door 0575         Jacons Office       Lumnys Office       Lumnys Office         Armed Stay Device List:       Back Front Window       Redroom Door 0575         Jacons Office       Lumnys Office       Lumnys Office         Image       Sale Door C0004AB       Motion 4FFFD09         State Door C0004AB       Motion 4FFFD09       Sale Door C0004AB         State Door C0004AB       Motion 4FFFD09       Sale Door C0004AB         Image       Back Front Window       Bedroom Door 0575         Jacons Office       Lumnys Office       Lumnys Office         Image       Back Front Window       Bedroom Door 0575         Jacons Office       Lumnys Office       Lumnys Office         Image       Back Front Window       Bedroom Door 0575         Jacons Office       Lumnys Office       Lumnys Office   | Alam Management Information   |                         |                     |               |                           |
| Charly Leady:       15 seconds       Edd:         Exit Delay:       15 seconds       Edd:         Armed Amay Device List:       Back Front Window       Bedroom Door 0575         Side Door CD004AB       Metoon 4FFFD09         2 steelers room       Change         Armed Stay Device List:       Back Front Window       Metoon 4FFFD09         2 steelers room       Dange         Armed Stay Device List:       Back Front Window       Metoon 4FFFD09         2 steelers room       Dange         Entry Device List:       Back Front Window       Metoon 4FFFD09         2 steelers room       Dange         Entry Device List:       Back Front Window       Metoon 4FFFD09         2 steelers room       Motion 4FFFD09       Motion 4FFFD09         3 steelers room       Motion 4FFFD09       Motion 4FFFD09         2 steelers room       Motion 4FFFD09       Motion 4FFFD09         3 steelers room       Change       Motion 4FFFD09         2 steelers room       Change       Motion 4FFFD09         3 steelers room       Danons Office       Motion 4FFFD09         Datons Office       Motion 4FFFD09       Datons Office         3 steelers room       Datons Office       Motion 4FFFD09         Daton   | System Status:                | HOME Ama Away           | Arm Stay            |               |                           |
| Ext Delay: 15 seconds EdB<br>Back Front Window Bedroe Door 0575<br>Back Front Window Methods Common differ<br>Side Door C000488 Methods Window Methods<br>Side Door C000488 Methods Window Methods<br>Side Door C000488 Methods Methods<br>Entry Device List: Back Front Window Methods AFFED09<br>Side Door C000488 Methods Methods<br>Side Door C000488 Methods Methods<br>Side Door C000488 Methods | Entry Dealy:                  | 15 seconds Edit         |                     |               |                           |
| Armed Away Device List:          Back Front Window         Jacons Office         Jacons Office         Jacons Office         Side Door C0004AB         X Metion 4FFFD09         Stellers room          Armed Away Device List:          Back Front Window         X         Beckron Door 0575         Jacons Office         Jacons         Jacons Office         Jacons  | Exit Delay:                   | 15 seconds Edit         |                     |               |                           |
| Armed Amay Device List:<br>Jasons Office<br>Side Door CD004AB<br>Side Door CD004AB<br>Side Door CD004AB<br>Side Door CD004AB<br>Side Door CD004AB<br>Side Door C0004AB<br>Side Door C0004AB  |                               | Back Front Window       | Bedroom Door 0575   |               |                           |
| Armed Away Device List:  Side Door C0004AB Stellers room  Change  Armed Stay Device List:  Armed Stay Device List:  Armed Stay Device List:  Back Front Window Stellers room  Change   |                               | Jasons Office           | Lennys Office       |               |                           |
|  | Armed Away Device List:       | Side Door C0004AB       | 7 Motion 4FFFD09    |               |                           |
| Change      Change      Back Front Window     Pedroom Door 0575     Jatoms Office     Change   |                               | 2 steelers room         |                     |               |                           |
| Armed Stay Device List:  |                               |                         | Change              |               |                           |
| Armed Stay Device List:<br>Side Door C0004AB<br>Steelers room<br>Change<br>Entry Device List:<br>Entry Device List:<br>Dates Office<br>Side Door C0004AB<br>Dates Office<br>Side Door C0004AB<br>Dates Office<br>Dates Office  |                               | Rack Front Window       | W Bedroom Door 0575 |               |                           |
| Amed Stay Device List: Side Door C0004AB & Motion 4FFFD09<br>Steelers room Change<br>Change<br>Entry Device List: Back Front Window Ø Bedroom Door 0575<br>Jacons Office Ø Jennys Office<br>Side Door C0004AB @ Motion 4FFFD09<br>Dange  |                               | Tasons Office           | C Lentrys Office    |               |                           |
| steelers room      Change      Back Front Window      Damge      Comple Front Window      Damge   | Armed Stay Device List:       | Side Door C0004AB       | V. Motion 4FFFD09   |               |                           |
| Entry Device Lat:  | terra and an entran           | steelers room           |                     |               |                           |
| Entry Device Lat:  |                               |                         | Change              |               |                           |
| Entry Device Lat:  |                               | Back Front Window       | Bedroom Door 0575   |               |                           |
| Entry Device Lat: Skie Deor C0004AB C Motion 47FFD09<br>Change   |                               | Lators Office           | Linnys Office       |               |                           |
| Durge Durge  | Entry Device Lat:             | Side Door CD004AB       | Motion 4FFFD09      |               |                           |
| Camera Erchnido Lat-   |                               | States Strates          | Charlow             |               |                           |
|  | Camera Exclusión List-        | maning.                 |                     |               |                           |

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- **STEP 3.** Wait a few seconds.
- **STEP 4.** Refresh the browser.
- **STEP 5.** Verify that the System Status is "Armed/AWAY" or "Armed/STAY".

Digital Life Direct – Armed/AWAY

| ALLOUNTS                       | 265                       | 10.85    | SUBSCRIPTIONS | LOCOT                    |
|--------------------------------|---------------------------|----------|---------------|--------------------------|
|                                |                           |          |               |                          |
| Accountry 3575.                | in the Balante            |          |               |                          |
| Accounts: 2575>D               | evice Details             |          |               |                          |
|                                |                           |          |               | CONLINE COFFLINE UNKNOWN |
| Information Research Oustas Us | and -                     |          |               |                          |
| Device Information             |                           |          |               |                          |
| Name:                          | Alarm Manager Edit        |          |               |                          |
| Catalog ID:                    | 000010701000004           |          |               |                          |
| Gateway OUID:                  | 30F268311540422E90E51113  | 00903606 |               |                          |
| Device GUD:                    | AM00000004                |          |               |                          |
| Hardware Senal Number:         | 00000004                  |          |               |                          |
| Firmware Version:              | SL.01.00.00               |          |               |                          |
| Software Version:              | sw: 7                     |          |               |                          |
| Last Event:                    | 2012-04-13 14:21:25 (GMT) |          |               |                          |
| Date Registered:               | 2012-03-12 12:45:26 [GMT] |          |               |                          |
| Registered By:                 | tc0370                    |          |               |                          |
|                                |                           |          |               |                          |
|                                |                           |          |               |                          |
| Alarm Management Information   |                           |          |               |                          |
| System Status:                 | Armed/AWAY Disam          |          |               |                          |
| Entry Delay:                   | 15 seconds Edit           |          |               |                          |
| Exit Delay:                    | 15 seconds Edd            |          |               |                          |

# Digital Life Direct – Armed/STAY

| ACCOUNTS                       | DEVACES  | SURSCRIPTIONS | LOGOUT                    |
|--------------------------------|--|---------------|---------------------------|
| Accounts: 2575>D               | evice Details  |               | CONLINE COFFLINE FUNKNOWN |
| Information Division Ouetas Us | ers /  |               |                           |
| Device Information             | the second s |               |                           |
| Name:                          | Alarm Manager Edit   |               |                           |
| Catalog ID:                    | 000010701000004  |               |                           |
| Gatemay GUID:                  | 30F268311540422E90E51113D0903608   |               |                           |
| Device GUID:                   | AM00000004   |               |                           |
| Hardware Senal Number:         | 00000004   |               |                           |
| Firmware Version:              | DL.01.09.00  |               |                           |
| Software Version:              | sw: 7  |               |                           |
| Last Event:                    | 2012-04-13 18:43:52 [GMT]  |               |                           |
| Date Registered:               | 2012-03-12 12:45:26 [GMT]  |               |                           |
| Registered By:                 | tc0370   |               |                           |
|                                |  |               |                           |
| Alarm Management Information   |  |               |                           |
| System Status:                 | Armed/STAY Osami   |               |                           |
| Entry Delay:                   | 15 seconds Edit  |               |                           |
| Exit Delay:                    | 15 seconds Edit  |               |                           |



# 7.4.3 Disarming the System

There are five (5) steps to disarming the system:

- 1. Access the "System Status" page within DLD by clicking the Devices tab and viewing Alarm Manager Information.
- 2. Click the "Disarm" button.
- 3. Wait a few seconds.
- 4. Refresh the browser.
- 5. Verify that the System Status is HOME (Disarmed).

## **STEP 1.** Access the "System Status" page within DLD.

**STEP 2.** Click the "Disarm" button.

| ACCOUNTS                       | 0   | EVIDES   | SUBSCIDETIONS | LOGOUT                     |
|--------------------------------|---|--|---------------|----------------------------|
| Accounts: 2575> Dev            | ice Details   |  |               |                            |
|                                |   |  |               | ·ONLINE ·OFFLINE · ONKNOWN |
| nformation Devices Quotas User | 1   |  |               |                            |
| Device Information             | and the second second second  |  |               |                            |
| Name:                          | Alarm Manager Edit  |  |               |                            |
| Catalog ID:                    | 000010701000004   |  |               |                            |
| Gateway GUID:                  | 30F268311540422E9DE511  | 1300903608   |               |                            |
| Device GUID:                   | AM00000004  |  |               |                            |
| Hardware Serial Number:        | 00000004  |  |               |                            |
| Firmware Version:              | DL.01.00.00   |  |               |                            |
| Software Version:              | sw: 7   |  |               |                            |
| Last Event:                    | 2012-04-13 14:21:25 [GMT  | 1  |               |                            |
| Date Registered:               | 2012-03-12 12:45:26 [GMT  | d.   |               |                            |
| Registered By:                 | tc0370  | Automatica and a second se |               |                            |
|                                |   |  |               |                            |
|                                |   |  |               |                            |
| Alarm Management Information   | -   |  |               |                            |
| System Status:                 | Armed/AWAY Disam  |  |               |                            |
| Entry Delay:                   | 15 seconds Edit   |  |               |                            |
| Exit Delay:                    | 15 seconds Edit   |  |               |                            |
| Armed Away Device List:        | Back Front, Window<br>2 Jasons Office<br>Side Door C0004AB<br>steelers room | Bedroom Door 0575<br>Lernys Office<br>Motion 4FFFDD9   |               |                            |
| Armed Stay Device List:        | Back Front Window<br>Jasons Office<br>Side Door C0004AB<br>steelers room    | Bedroom Door 0575<br>Lernys Office<br>Motion 4FFFD09   |               |                            |
| Entry Device List:             | Back Front Window<br>Jasons Office<br>Side Door C000448                     | Bedroom Door 0575<br>Lennys Office<br>Motion 4F/FD09<br>Change   |               |                            |
| Camera Exclusion List:         | Unimpert  |  |               |                            |
|                                | STORE FOR THE   |  |               |                            |

STEP 3. Wait a few seconds.

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#### **STEP 4.** Refresh the browser.

**STEP 5.** Verify that the System Status is "HOME" (Disarmed).

| ACCOUNTS                    |   | EVICES             | SUBSCRIPTIONS | LOGOUT                    |
|-----------------------------|---|--------------------|---------------|---------------------------|
| Accounts: 2575> De          | vice Details  |                    |               |                           |
|                             |   |                    |               | *ONLINE *OFFLINE*LINKNOWN |
| Vomation Devices Quotas Use | ITS   |                    |               |                           |
| Device Information          | and the second se |                    |               |                           |
| Name:                       | Alarm Manager Edit  |                    |               |                           |
| Catalog ID:                 | 000010701000004   |                    |               |                           |
| Gateway GUID:               | 30F268311540422E9DE511  | 1300903606         |               |                           |
| Device GUED:                | AM00000004  |                    |               |                           |
| Hardware Serial Number:     | 00000004  |                    |               |                           |
| Firmware Version:           | DL.01.00.00   |                    |               |                           |
| Software Version:           | SW: 7   |                    |               |                           |
| Last Event:                 | 2012-04-13 14:44:39 [GM   | *1                 |               |                           |
| Date Registered:            | 2012-03-12 12:45:26 [GM   | T]                 |               |                           |
| Registered By:              | tc0370  |                    |               |                           |
|                             |   |                    |               |                           |
|                             |   |                    |               |                           |
| Alam Management Information |   |                    |               |                           |
| System Status:              | HOME Arm Away   | Ann Stay           |               |                           |
| Entry Denty:                | La seconda inde   |                    |               |                           |
| Exit Delay:                 | 15 seconds Edit   |                    |               |                           |
|                             | Park Faret Wedaw  | Badwain David NETE |               |                           |
|                             | Taxate Office   | Lanna Office       |               |                           |
| Armed Astav Device List:    | Side Door COODASE   | B Mation SEEEDOO   |               |                           |
| Acted while device list.    | 2 steelers room   | E MEDER STYLING    |               |                           |
|                             | at alterna room   | (Changes)          |               |                           |
|                             |   | (ctomobe)          |               |                           |
|                             | Back Front Window   | Fiedroom Door 0575 |               |                           |
|                             | Jasons Office   | Lennys Office      |               |                           |
| Armed Stay Device List:     | Side Door C0004AB   | Motion 4FFFD09     |               |                           |
|                             | steelers room   |                    |               |                           |
|                             |   | Change             |               |                           |
|                             | Back Front Window   | Bedroom Door 0575  |               |                           |
|                             | Lasons Office   | Linnys Office      |               |                           |
| Entry Device Lat:           | Side Deor CDSD448   | Motion 4FFFD09     |               |                           |
|                             | all successive sectorizing  | Chanton            |               |                           |
|                             |   | Consider.          |               |                           |
| Camera Exclusion List:      | Unknowin  |                    |               |                           |



# 8 System Messages on Keypad LCD

Table 2 contains system generated messages that appear in the Keypad LCD concerning the status of the system or specific devices.

(I will update this table based on what John proposed...we need to check and see what has been implemented)

| System Messages                        | Meaning   |
|--|---|
| "System Under Test"                    | System is in Test Mode  |
| "ERR: Alarm was not sent to<br>AT&T"   | Displays if an Alarm was not delivered to Digital Life<br>Central Monitoring Center   |
| "System Battery Failure"               | DLC Cabinet 24 hour backup battery is failing or has failed and needs to be replaced  |
| "Maintenance Mode"                     | Software is being upgraded on the DLC Cabinet   |
| "Fire Alarm Sent"                      | A fire alarm has been sent to the Digital Life Central<br>Monitoring Center because a smoke detector has<br>been triggered          |
| "CO Alarm Sent"                        | A CO alarm has been sent to the Digital Life Central<br>Monitoring Center because a CO detector has been<br>triggered               |
| "Intrusion Alarm Sent"                 | An intrusion alarm has been sent to the Digital Life<br>Central Monitoring Center because an intrusion<br>sensor has been triggered |
| " <device name=""> - Opened"</device>  | A door sensor, window sensor or glass break detector has been triggered   |
| " <device name=""> - Tamper""</device> | A tamper switch on a device has been triggered  |

# Table 2: System Messages on Keypad LCD



# Installation and Operations Manual

| System Messages   | Meaning   |
|---|---|
| " <device name=""> - Offline"</device>                    | The DLC Cabinet has lost communication with a device  |
| " <device name=""> - Low Battery"</device>                | A device battery level is low and the battery needs to be replaced  |
| " <co device="" name=""> - CO<br/>Detected"</co>          | A CO detector has been triggered  |
| " <smoke device="" name=""> - Smoke<br/>Detected"</smoke> | A smoke detector has been triggered   |
| " <pir device="" name=""> - Motion<br/>Detected"</pir>    | A motion detector has been triggered  |
| "Press * to confirm FIRE"                                 | Confirm pressing FIRE button on keypad  |
| "Fire Emergency Sent"                                     | Confirmation that Fire Emergency has been sent to Digital Life Central Monitoring Center                                  |
| "Press * to confirm AUX"                                  | Confirm pressing AUX button on keypad   |
| "Aux Emergency Sent"                                      | Confirmation that Aux Emergency sent to Digital<br>Life Central Monitoring Center   |
| "Press * to confirm POLICE"                               | Confirm pressing POLICE button on keypad  |
| "Police Emergency Sent"                                   | Confirmation that Police Emergency sent to Digital<br>Life Central Monitoring Center                                      |
| "Press BYPASS to Proceed"                                 | STAY or AWAY button has been pressed, but<br>system is "Not Ready to Arm" and BYPASS button<br>must be pressed to proceed |
| "Arming – Exit Now"                                       | System is arming in the Armed-STAY or Armed-<br>AWAY mode and system is in the Exit-Delay mode                            |



| System Messages                 | Meaning  |
|---------------------------------|--|
| "Armed-STAY"                    | System is in the Armed-STAY mode   |
| "Armed-AWAY"                    | System is in the Armed-AWAY mode   |
| "Alarm – Enter Code to Cancel"  | Enter Security Code to cancel alarm  |
| "Alarm Cancelled"               | Confirms that a valid Security Code has been entered and an alarm has been cancelled |
| "Press STAY or AWAY"            | BYPASS button has been pressed prior to pressing STAY or AWAY button                 |
| "No Security Code Cannot Alarm" | System cannot be armed because a Security Code has not been created using a Web tool |



# 9 Local Power Failure and Low Battery Warnings

As was noted previously, the DLC Cabinet is equipped with a 24 hour battery backup capability and will continue to operate under local power failure conditions for 24 hours. When operating under a local power failure condition, the AC POWER LED on the DLC Cabinet will be OFF. In addition, the battery system and wireless broadband LEDs will flash simultaneously.

Under normal operating conditions the Proprietary 915MHz Two-Way devices, including the Keypad, Siren and Repeater, receive power from AC-to-DC power conversion, but they are equipped with 24 hour battery backup and will continue to operate for 24 hours under a local power failure condition. All three devices are equipped with customer replaceable batteries.

When operating under a local power failure condition, all of the Proprietary 433MHz One-Way sensor/detector devices will continue to operate as designed and are not impacted by a local power failure condition. Under normal operating conditions the Proprietary 433MHz Repeater and Takeover Module receive power from AC-to-DC power conversion, but they are equipped with 24 hour battery backup and will continue to operate for 24 hours under a local power failure condition. They are equipped with customer replaceable batteries.

When the Digital Life System (DLS) is operating under a local power failure condition or a device within the DLS has a low battery and the battery needs to be replaced, the keypad(s) is used to provide a visual and auditory warning that the DLS is operating under a local power failure condition and/or that a battery within a device(s) needs to be replaced. Table 3 contains the messages that are presented in the keypad LCD. When the messages are displayed the keypad starts chirping. As indicated in the table a user can silence the chirping pressing the # key on the keypad. Once chirping commences, the keypad will chirp for half (0.5) a second every minute as long as the condition persists. The chirping is automatically silenced on a daily basis from 9:00 PM local time until 9:00 AM local time. If an event triggering chirping occurs during the twelve (12) hour silent period, then the chirping will begin once the silent period has concluded. If a user does not silence chirping before the silent period begins, then the chirping will continue until the user presses the # key to silence the chirping.

Table 3 contains local power failure and low battery warnings that may appear on the keypad LCD in conjunction with keypad chirping.

| Warning                                       | Device  | Repeating Keypad<br>LCD Messages   | Keypad Chirping<br>Silence Duration                               |
|---|---|--|---|
| DLC Cabinet<br>Battery is<br>Missing          | DLC Cabinet   | "Alarm Panel Battery<br>Missing" then "Press #<br>to Silence"            | Four (4) hours from<br>pressing # to Silence                      |
| DLC Cabinet<br>Battery is Low                 | DLC Cabinet   | "Alarm Panel Low<br>Battery" then "Press # to<br>Silence"                | Four (4) hours from<br>pressing # to Silence                      |
| DLC Cabinet<br>AC Power<br>Failure            | DLC Cabinet   | "System Operating<br>Battery Backup" then<br>"Press # to Silence"        | Four (4) hours from<br>pressing # to Silence                      |
| UL 985<br>Smoke/CO<br>Device Low<br>Battery   | Smoke Detector, CO<br>Detector, Keypad, Siren<br>and 915MHz Repeater  | " <device name=""> Low<br/>Battery" and "Press # to<br/>Silence</device> | Four (4) hours from<br>pressing # to Silence                      |
| UL 1023<br>Intrusion<br>Device Low<br>Battery | Vanishing Door/Window<br>Sensor, Recessed<br>Door/Window Sensor,<br>Motion Detector, Glass<br>Break Detector and<br>433MHz Repeater | " <device name=""> Low<br/>Battery and "Press # to<br/>Silence"</device> | Pressing # to Silence<br>will permanently silence<br>the chirping |

# Table 3: Local Power Failure and Low Battery Warnings on Keypad LCD