HLX-24

Advanced Wireless Security Panel
Hardware Installation and Programming Manual

Models:
HLX-24
HLX-24IP

HOME LOGIX™

HOMELOGIX
READY / TRBL

HOMELOGIX™   ROSSLARE
SECURITY PRODUCTS

ROSSLARE
SECURITY PRODUCTS

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Notice and Disclaimer

This manual's sole purpose is to assist installers and/or users in the safe and efficient installation and usage of the system and/or product, and/or software described herein.

BEFORE ATTEMPTING TO INSTALL AND/OR USE THE SYSTEM, THE INSTALLER AND THE USER MUST READ THIS MANUAL AND BECOME FAMILIAR WITH ALL SAFETY REQUIREMENTS AND OPERATING PROCEDURES.

- The system must not be used for purposes other than those for which it was designed.
- The use of the software associated with the system and/or product, if applicable, is subject to the terms of the license provided as part of the purchase documents.
- ROSSLARE exclusive warranty and liability is limited to the warranty and liability statement provided in an appendix at the end of this document.
- This manual describes the maximum configuration of the system with the maximum number of functions, including future options. Therefore, not all functions described in this manual may be available in the specific system and/or product configuration you purchased.
- Incorrect operation or installation, or failure of the user to effectively maintain the system, relieves the manufacturer (and seller) from all or any responsibility for consequent noncompliance, damage, or injury.
- The text, images and graphics contained in the manual are for the purpose of illustration and reference only.
- All data contained herein is subject to change without prior notice.
- In no event shall manufacturer be liable for any special, direct, indirect, incidental, consequential, exemplary or punitive damages (including, without limitation, any and all damages from business interruption, loss of profits or revenue, cost of capital or loss of use of any property or capital or injury).
- All graphics in this manual are for reference only, some deviation between the image(s) and the actual product may occur.
- All wiring diagrams are intended for reference only, the photograph or graphic of the PCB(s) are intended for clearer illustration and understanding of the product and may differ from the actual PCB(s).

1. Introduction

1.1 General

The HLX-24 panel by Rosslare is the perfect wireless security system for intrusion protection of the home, or small office providing security monitoring and VIP Voice messaging.

Users receive the latest RF technology in a wide selection of advanced wireless sensors and remotes, and benefit from smooth and easy operation of a large number of security and communication options.

The HLX-24 panel is easy to install and set up via local programming and via direct or modem connection to a PC running the HLX-24 PC Software.

The panel has two full split reporting features for communicating to central station for Contact ID and voice enabled event reporting and vocal communications.

VIP features include option to provide status to the user via telephone and an option to activate arming options by using DTMF phone communication for up to three destinations by calling the user when there is an issue.

In addition to the regular version of the HLX-24 control panel, the HLX-24IP version allows users to control and monitor the status of the panel by using the HLX-24 mobile application, HomeLogiX™APP from a smartphone. For more information see the *HLX-24 Mobile Application User Manual*.

1.2 Special Features

- 24 wireless zones
- Supports 8 remote controls, 4 wireless sirens, 4 wireless keypads, and 4 repeaters
- Programmable remote control buttons
- Interactive telephone voice menu
- PGM automation features
- Five custom textual zone descriptions
- Advanced testing and diagnostics options
- Lockout feature upon wrong code entry
- Programmable No Activity timer

2. HLX-24 Quick Reference

This chapter describes the control panel and the keypad, as well as the chimes emitted when the buttons on the keypad are pressed.

2.1 The Panel

Figure 1 presents the components of the wireless panel.

Figure 1: HLX-24 Panel
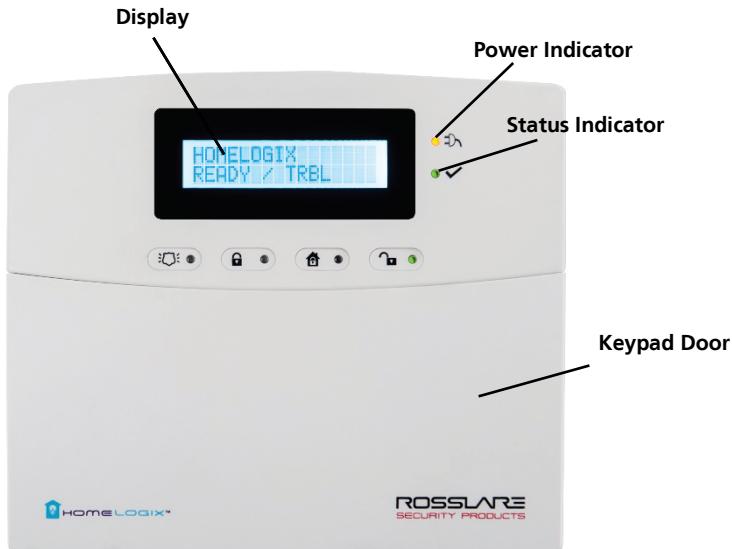
Table 1: Control Panel Functions

Display	LCD display
Power Indicator	Power LED: green FLASHING when there is an AC power failure and during Walk Test
Status Indicator	Status LED: green On: system armed Off: system disarmed Flash: entry and exit delay (according to beep rate) FLASHING without beeps during Walk Test
Keypad Door	Open to access the keypad buttons

2.2 The Keypad

Figure 2 shows the HLX-24 keypad.

Figure 2: HLX-24 Keypad
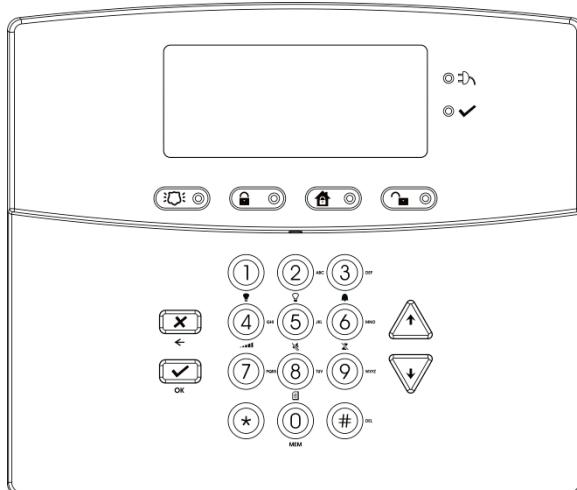
Table 2 describes the keypad functions:

Table 2: Keypad Functions

Key	Icon	Function
Panic		When pressed for 3 seconds a standard panic alarm sounds
Keys 0 – 9		Enters alphanumeric entries Press **0** to enter a space
Arm Away		Arms all sensors and detectors for use when there is no one at home/office
Arm Home		Arms all perimeter sensors and detectors as defined by the installer (for use when home/office is occupied)
Disarm		Disarms all armed sensors and detectors
ESC/Back		Ignores an entry or moves one level up in a menu
Enter		Accepts an entry or selection
Up/Down Arrows		Use to navigate between menus

2.2.1 Keypad Operated Functions

When the system is idle, the alphanumeric keys initiate the commands shown in Table 3.

Table 3: Keypad Operated Functions

Press	Icon	To
0	MEM	**Memory Display**
		Press once to display the alarms caused during the last arming period per zone. The first line of the displays shows the alarm memory, and the second line shows the zone description, event and time. The display toggles between zone description and the date by pressing **Enter**.
		Press **Menu** to display the next alarmed zone.
		Press **Esc** to exit.
		Note: When EN-CENELEC standard is enabled, only the master user can access the memory display.
1		**PGM ON**
		Press once to turn on the PGM.
2		**PGM OFF**
		Press once to turn off the PGM.
3		**Chime ON/OFF**
		Manually toggle the chime on and off
4		**Volume**
		Manually toggle the beep volume level
5		**Mute ON/OFF**
		Manually toggle keypad tone and other sounds on and off
6		**Bypass**
		Enter the User menu Bypass option
7		**Record User Message**
		Record a voice message of up to 15 seconds. Press and hold key 7 for 3 seconds to erase a message.
8		**Event Log Display**
		Press once to display the event log. The first line of the display shows the event log and the second line shows the zone description (or system, if a system event is displayed), event date and time. The display toggles between zone description and the date by pressing **Enter**.
		Press again or press **Menu** to display the next event.
		Press **Esc** to exit the menu.
		Note that a Master code is required to access this function.

2.3 Sound Indicators

Table 4 presents the sounds emitted by the system and push buttons if enabled during programming.

Table 4: Sound Indicators

Sound	Sounded when
Single beep	A key is pressed
Long Beep	There is an illegal key entry
Three short beeps	An entry is successfully accepted
Four short beeps a minute	If enabled, on trouble condition
Short beep every second	An exit/entry delay is activated (beep sounded every 0.5 seconds during last 10 seconds of delay)
Chime	When feature is activated (1 chime sounds)

> **Note**
> This table does not include actual alarm sounds.
> Note that the audible indication of a fire zone differs from that of a normal intrusion zone.

2.4 LED Indicators

Table 5, Table 6, and Table 7 describe the LED indicators of the various panel indicators.

Table 5: Power LED Indicator

Power LED (Red/Green)	Status
Green ON	Normal AC mode
FLASHES red every 0.5 seconds	AC Failure

Table 6: Status LED Indicator

Status LED (Red/Green)	Status
Green ON	Panel ready
Red ON	Panel not ready
Green FLASHES every 1 second	Walk Test mode

Table 7: Keypad Function Indicators

Panel Status	Panic	Arm Away	Arm Home	Disarm
Disarm	OFF	OFF	OFF	ON
Arm Home	OFF	OFF	ON	OFF
Arm Away	OFF	ON	OFF	OFF
Arming Home	OFF	OFF	FLASHES every 1 second (until last 10 seconds flashes every 0.5 seconds)	OFF
Arming Away	OFF	FLASHES every 1 second (until last 10 seconds flashes every 0.5 seconds)	OFF	OFF
Panic	ON	Previous LED status continues	Previous LED status continues	Previous LED status continues

3. Specifications

This chapter provides the various specifications for the HLX-24 control panel.

3.1 RF Data

RF Unit Type	Integrated RF transceiver shielded super heterodyne, fixed frequency
Antenna Type	Printed PCB type antenna
Operating Frequencies	G series – 433.92 MHz H series – 868.35 MHz
Receiver Sensitivity	Up to -100 dBm
Transmitter Power	Up to +10 dBm, less based on country requirements
Range (open field)	Up to 170 m (558 ft) in open space for detectors, and 110 m (361 ft) for hand-held remote controls
RF Device ID Coding	Three-bytes non-replicated per sensor type, or multiples of 16 million possible codes, make it almost impossible to have two like coded transmitters

The HLX-24 system has optimum range if installed according to the manufacturer's recommendations, though this range may be affected by radio noise from high-power nearby sources, or interference with the signal (blocking) by large metal surfaces, or multiple concrete walls.

3.2 Environmental Data

Operation Temperature Range	0°C to 40°C (32°F to 104°F)
Storage Temperature Range	-25°C to 70°C (-13°F to 158°F)
Relative Humidity	85% at 30°C (non-condensing)
Dimensions (L x W x D)	174 x 152 x 48 mm (8.5 x 5.7 x 1.9 in.)
Weight	330 g (11.6 oz)

3.3 Electrical Data

- Two lines of 16 characters, backlit LCD display
- One PGM open collector outputs, 100 mA, PTC protected
- Local, 85 dBA siren
- 220 VAC/50 Hz, 110 VAC/60 Hz (15 VDC, 800 mA) external power supply
- Complies with the following standards:
    - CE, FCC

- Current consumption:
    - 150 mA (standby), 300 mA (max)
- Auxiliary power output: 13.8 VDC, 500 mA max
    - Output voltage range max. 13.8 VDC, minimum 9 VDC
    - Maximum output pick-to-pick ripple 0.6 Vptp
    - Maximum auxiliary current output 200 mA – EN50131-6 standard
- Battery
    - Four rechargeable AA type batteries (1800 mAh) are included

3.4   Communication

- Frequencies: 433.92 MHz (G) and 868.35 MHz (H)
- RF jamming detection (UL/EN selectable)
- Proprietary anti-collision RF protocol
- Programmable no-activity timer 1–30 minutes, per zone
- Two central station numbers and accounts, backup and secondary modes
- Reporting protocols: Contact ID
- Three private telephone numbers for voice reporting
- Local connection (with MD-62) port for local upload/download, and remote programming by PC software
- Built-in telephone dialer and 2400 Baud rate modem

4. Installation

4.1   Unpacking the Equipment

The contents of your package are listed below. First, make sure that all the items in the kit have been included. If you find that any item is missing, contact your dealer immediately.

4.1.1   HLX-24 Package Content

▪ HLX-24 unit
▪ Four 1800 mAh AA batteries
▪ Wall adaptor
▪ Installation screw set

4.2   Supply Power to the Unit

It is easier to enroll the ID codes of the transmitting devices to the system before installation. Power the HLX-24 system using the external power transformer or from the backup batteries.

> *Note* To initiate battery power, connect the batteries, connect external power (transformer), and then disconnect the power to initiate battery power operation.

4.3   Planning and Programming

Register the location of each detector in the tables provided in Appendix C and D. Mark the transmitters and detectors accordingly.

To program the system, refer to Chapter 5.

To mount the HLX-24 unit, refer to Section 4.7.

4.4   Wiring the System

Figure 3 shows the various HLX-24 connections, which are described in Table 8.

Figure 3: Panel Wiring
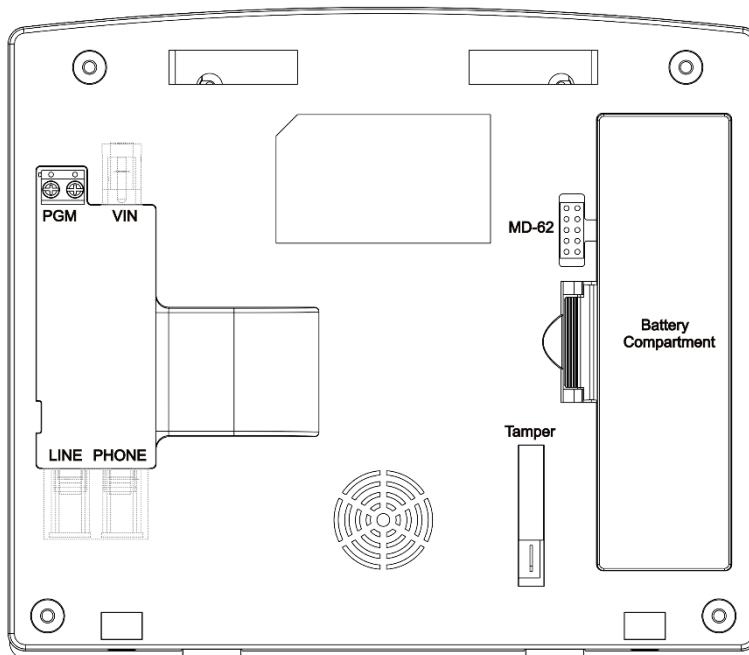
Table 8: HLX-24 Connections

Input	Description
PGM	Terminal blocks for PGM activation
VIN	Input voltage from AC/DC adaptor VIN = 13.8–15
LINE (RJ-11)	Telephone line in (from the wall to the system)
PHONE (RJ-11)	Telephone line out (from system to telephone device)
MD-62 Connection Socket	Connection socket for 10-pin plug connecting panel to PC with MD-62
Battery Compartment	4 AA rechargeable batteries
Wall Tamper Switch	Tamper switch is pressed when the panel is mounted on the wall
Ethernet (RJ-45)*	Connection to the HomeLogiX™APP server

* HLX-24IP models only

Installation

4.5 Connecting the AC Transformer

> ✏️ Complete all the wiring before plugging the transformer in to the AC outlet.
> *Note*

To connect the AC transformer:

1. Attach the transformer and power up the system.

   The display shows the HLX-24 logo and the current version.
2. Plug in the transformer.

   The power LED on the control panel should light up.

4.6 Connecting to a PC

The control panel can be equipped with an optional MD-62 adaptor for serial data interchange with a computer.

4.7 Mounting the Back Plate

4.7.1 General

> ✏️ It is important to mount the back plate first before connecting any of the wiring to the unit.
> *Note*

To complete the installation without exposed wires, all the wiring should be done through the wall. The wiring to the back plate can be done without having exposed wires by installing the panel on a standard electrical box or making a hole in the wall for the wiring (Figure 4).

Figure 4: Back Plate Wiring
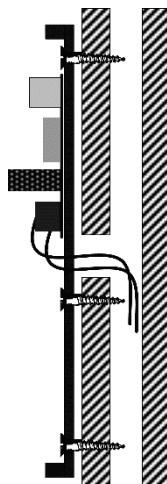
It is preferable for all cables and wires to be wired through an opening in the wall to expose any wire tampering and to create a neat looking system.

When drilling the hole for the wires, it is recommended to drill the hole in the marked out areas (Figure 5).

Figure 5: Back Plate Mounting Holes
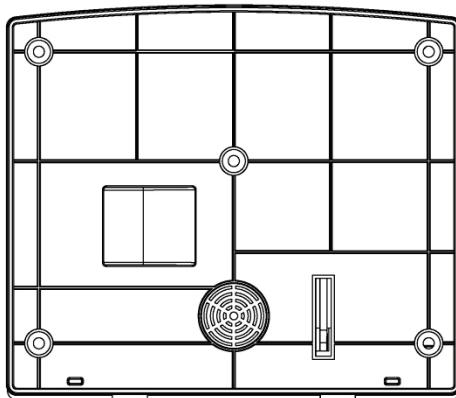
4.7.2 Required Space

The required space on the wall for the panel is (L) x (H). The hole size for the wires is 2 x 5 cm (0.8 x 2 in.). This is to be drilled according to the openings on the back plate.

The optimum viewing angle of the LCD is achieved when the panel is mounted **above** the eye level of the user.

4.8 Dismounting the Control Panel

To dismount the control panel:

1. Release HLX-24 from the mounted back plate by unscrewing the bottom screws and unlocking the locking hooks on the top of the back plate by lifting them up and out of the recesses on top of the panel.

2. Pull the top of the panel away from the wall to disconnect the connector to the back plate and then remove the panel from the lower posts of the back plate.

4.9 Replacing the Backup Batteries

To replace the backup batteries:

1. Dismount the panel.

2. Remove the cover of the battery compartment (Figure 6).

Figure 6: Backup Batteries
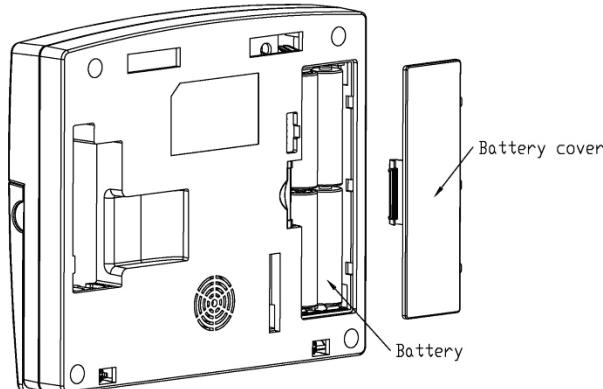
3. Replace the batteries.

4. Replace the cover.

⚠ Caution	Do not mix between different rechargeable batteries type and different charging levels.

5.   Programming the HLX-24

We recommend that you program the HLX-24 before installing it. The system must be connected to the AC power supply for programming; you may also connect the backup battery at this time.

HLX-24 is provided with two default codes:

▪ Default Installer code: 8888 – Enables you to program HLX-24

▪ Default Master code: 1234 – Enables you to change the Master code and modify the User and Master options

We recommend that you change the Master and Installer codes after first time use.

6.   Installer Menu

The Installer menu enables access to the following group of options:

- Change Code
- Zones
- Enrolling
- Security
- Communications
- Automation
- Messages
- Maintenance

Appendix A presents some the features available in the Installer menu and how to access them.

To access the Installer menu:

1. Press **Menu** twice to reach the *INSTALLER MENU* option and press **Enter**.

> **Note** The default Installer code is 8888.

If a wrong code is entered, the system indicates that an illegal code was entered and waits once again for the correct code to be entered. After 30 seconds of no entry, the system returns to Normal mode automatically.

> **Note** The system locks out for 90 seconds after entering 5 wrong codes.

No activity within the menu for 4 minutes causes the system to return to Normal mode. To return to Normal mode before 4 minutes pass, press **ESC**.

2. Once in the *INSTALLER MENU*, use **Menu** to browse the submenus.

3. Press **Enter** to access the desired submenu as detailed below.

> **Note** Some menus can be accessed directly by typing the option number instead of scrolling the various options.

6.1 Change Code
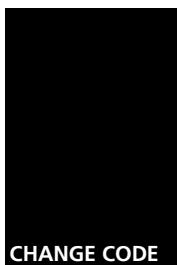
This option enables you to change the code with which you enter the system. The default code is 8888.

To change the Installer code:

1. Press **Enter** to access the submenu. The first submenu is *CHANGE CODE*.
2. Enter a new 4-digit Installer code.
3. Press **Enter** to save your new code.

6.2 Zones
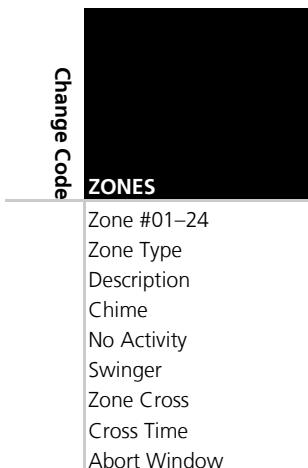
Zone #01–24
Zone Type
Description
Chime
No Activity
Swinger
Zone Cross
Cross Time
Abort Window

This menu allows you to define each of the 24 available zones. You can define the zone type, description, activity type and its audible chime indication.

To specify zones:

1. Press **Enter** to access the submenu. The second submenu is *ZONES*.
2. Select the required zone by either browsing all 24 using **Menu** or by entering the zone number using the numeric keypad.
3. Once in the desired zone, use **Menu** to browse the options.

4. Press **Enter** to access the desired submenu to define several characteristics as follows:

   ▪ **Zone Type:** Select one of the following:

      ▫ Delay – An opening in this zone is alarmed only after the exit or entry time has passed

      ▫ Fire – An opening in this zone causes a fire alarm and is armed 24 hours a day

      ▫ 24H Silent – An opening in this zone causes a silent alarm (no audible local siren) and is armed 24 hours a day

      ▫ 24H Audible – An opening in this zone causes an audible alarm and is armed 24 hours a day

      ▫ No Secure – non-alarm zone – zone can be used for any non-secured propose

      ▫ Interior – Zone is bypassed when system is in Arm Home (Stay) mode

      ▫ Interior Follow – A non-entry/exit zone, typically an interior zone located on an entry/exit path, which is treated as an entry/exit zone during an Entry Delay or Exit Time. An opening in this zone is alarmed only after the exit or entry time has passed.

      ▫ Perimeter – Zone is armed both in Arm Home and Arm Away modes

   ▪ **Description:** Select one of 38 fixed descriptions or one of five editable custom descriptions. HLX-24 enables you to specify five custom zones (see Section 6.7.3).

      For your convenience and better control of the installation, use the tables provided in Appendix C.

   ▪ **No Activity:** Select to enable or disable the no activity time for each zone. When there is no activity in the specified zone and the system is disarmed, a silent alarm is sent to the monitoring station. When the system is armed and there is no activity in the specified zone, an audible alarm and a report are sent to the monitoring station. By default the option is disabled.

   ▪ **Swinger**: Select the number of repeated opening events from the zone after which the system ignores the zone. The default setting is 2 zone openings. The zone is restored after a manual system reset or automatically after a defined number of hours. The default value is 8 hours.

   ▪ **Zone cross**: The zone cross option requires an opening of two zones within a given time period to initiate an Alarm event sequence. This setting links between the two zones.

> **Note**
> - Crossing zones can be of zones with the same type.
> - One cross zone gets the mutual zone automatically. Ex zone 1 cross zone 2 then zone 2 automatically cross zone is 1.

- **Cross Time**: Select the time period between two zones defined in cross mode for alarm event. If one linked zone is opened and the other linked zone is not opened, a zone cross error is sent to the monitoring station. The default is 30 seconds.

- **Abort Window**: A period of time after a sensor initiates an alarm condition that allows the user additional time to disarm the system before an alarm is transmitted. Select Enabled to allow the zone to abort an alarm event during the Alarm Abort Window defined in the system. The default setting is Enabled.

6.3   Enrolling

The third submenu is *ENROLLING.*

Browse the desired devices listed below to be enrolled using **Menu** and access it by pressing **Enter**:

- Detectors
- Remote controls
- Sirens
- Keypads
- Repeaters

6.3.1   Detectors

You can enroll up to 24 detectors, one detector per zone, numbered 01 through 24.

To enroll/delete a detector:

1. Select the desired zone by either browsing all 24 zones using **Menu** or by entering the zone number using the numeric keypad.

2. Select enrollment method, either **Normal** or **Tamper.**

    ▪ If no detector is associated to the selected zone, the screen shows a message saying "waiting for detector signal" for 30 seconds.

    ▪ When browsing the zones, each zone already enrolled indicates "RF ID code".

3. Press **Enter** to delete the detector (or **ESC** to go back).

4. Initiate a transmission from the detector.

    ▪ In **Normal** enrollment any transmission is accepted (Alarm, Tamper, or any other transmission available, see the detector's manual for reference).

    ▪ In **Tamper** enrollment, only Tamper activation is accepted all other signals are ignored.

> **Note** Tamper enrollment is suitable for areas with multiple sensors thus preventing false enrollment.

5. When the transmission is detected, you are asked to press **Enter** to store the detector into the zone.

> **Note** When enrolling smoke and heat detectors, make sure to select the zone type "fire".

If no signal is received with the allocated 30 seconds, the unit returns to Normal mode.

6.3.2   Remote Controls (KE-30 RFID Function)

You can enroll up to eight remote controls and specify functions for each button on the remote control. You can also delete enrolled remote controls. Each proximity card used with the KE-30 keypad is considered a remote control during enrollment.

To enroll a remote control or a proximity card to be used with the KE-30 keypad and to specify a function:

1. Select the desired remote control number **01** to **08** by either browsing the remotes using **Menu** or by entering the remote number using the numeric keypad.

2. Enroll the remote control when the *WAITING FOR SIGNAL* message is displayed, by pressing a button on the remote you wish to enroll or by passing the proximity card through the KE-30 keypad.

3. When the signal is detected you are asked to press **Enter** to store and save your selection.

4. Once the selection is stored, you can then choose to configure each of the remote control buttons (except the * button that serves as a status announcement) to behave in one of the following options:
   ▪ Restore Default (sets the button to its original functionality)
   ▪ Operate PGM 1
   ▪ Status Request

5. At any time press **ESC** to exit the menu.

> 🖉
> **Note**
> Once you exit the menu (after saving the enrollment) you cannot change the button's behavior, unless you delete the remote and re-enroll it.

To delete a remote control or proximity card:

1. Select the pre-enrolled remote control number **01** to **08** by either browsing the list of remotes using **Menu** or by entering the remote number using the numeric keypad.

   You are asked to confirm deletion.

2. Press **Enter** to delete or **ESC** to go back.

6.3.3   RF Siren

You can enroll up to four RF sirens. You can choose to remove enrolled sirens.

To enroll/remove an RF siren:

1. Select the required Siren location, #01–04 by either browsing the keys using **Menu** or by entering the siren's number using the numeric keypad.

2. Enroll the RF Siren when the *WAITING FOR SIGNAL* option is displayed by activating the siren's tamper.

3. When the signal is detected, you are asked to press **Enter** to store and save your selection

   If the selected location has a siren enrolled, you are asked whether you wish to delete it.

4. Press **Enter** to delete or **ESC** to go back.

6.3.4   Keypads

You can enroll up to four keypads. You can choose to remove enrolled keypads.

To enroll/remove a keypad:

1. Select the required keypad location, #01–04 by either browsing the keys using **Menu** or by entering the keypad's number using the numeric keypad.

2. Enroll the keypad when the *WAITING FOR SIGNAL* option is displayed.

3. When a signal is detected, you are asked to press **Enter** to store and save your selection

If the selected location has a keypad enrolled, you are asked whether you wish to delete it.

4. Press **Enter** to delete or **ESC** to go back

6.3.5   Repeaters

You can enroll up to four repeaters. You can choose to remove enrolled repeaters.

To enroll/remove a repeater:

1. Select the required repeater location, #01–04 by either browsing the keys using **Menu** or by entering the repeater's number using the numeric keypad.

2. Enroll the repeater when the *WAIT FOR SIGNAL* option is displayed, by activating the tamper.

3. When the signal is detected, you are asked to press **Enter** to store and save your selection

   If the selected location has a repeater enrolled, you are asked whether you wish to delete it.

4. Press **Enter** to delete or **ESC** to go back

6.4   Security

The following is a list of the system's security features.

Change Code	Zones	Enrolling	SECURITY	Communications	Automation	Messages	Maintenance
			Exit Delay				
			Exit Restart				
			Entry Delay				
			Auto Arming				
			Siren Time				
			Siren Mode				
			Local Siren				
			External Siren				
			Supervision Time				
			Jamming				
			No Activity Time				
			Trouble Beeps				
			Bypass Option				
			Quick Arm				

Change Code	Zones	Enrolling	SECURITY	Communications	Automation	Messages	Maintenance
			Arm Instant				
			Panic Button				
			Duress Code				
			Alarm Cancel				
			Alarm Abort Time				
			Backlight Time				
			Hide Display				
			Key Beeps				
			Select Language				
			EN-CENELEC*				
			CP01				

* The panel is not yet EN-CENELEC standard certified.

The fourth submenu is *SECURITY*. Browse the desired security related settings as described in the following subsections using **Menu**. Press **Enter** to access the desired submenu.

6.4.1 Exit Delay

An exit delay enables the user to arm the system and exit the site through a specified door (determined as a delay zone) using a predetermined path after arming the system, without setting off an alarm.

A progress annunciation of slow-rate warning beeps sound when the system is armed. The system counts down the last 10 seconds of the delay if the voice capability is configured; otherwise, the warning beeps are faster. The exit delay is set at 60 seconds by default.

An Exit Error sequence is initiated if an entry/exit zone is in an opened state at the instant of exit time expiration or if no delay zone is opened during the exit time.

An Exit Error process for a delay zone is as follows:

- The local alarm immediately sounds.
- The annunciator sounds an Entry Delay or an alarm condition.
- An Entry Delay is initiated.
- If the alarm system is not Disarmed at the end of the Entry Delay, the Alarm Transmission Sequence is initiated.
- The Alarm Transmission includes the alarm and an Exit Error message to the central station.

The user can use the Silent Exit feature to silence the audible progress annunciation of the exit delay.

If Silent Exit is active, the Exit Time is doubled for that exit period only but does not exceed 255 seconds.

To specify the exit delay:

1. Using the numeric keypad, specify the length of time for the exit delay between **45** and **255** seconds.

2. Press **Enter** to save your selection.

6.4.2   Exit Restart

When this feature is enabled, an Exit Restart delay occurs on the second zone opening within the same zone and the Exit Delay time is doubled. If it is disabled, the same zone may be opened several times while in the Exit Delay countdown. The default setting is Enabled.

6.4.3   Entry Delay

An entry delay enables the user to enter the site through a specified door (determined as a delay zone) using a predetermined path, without setting off an alarm. The entry delay is set at 30 seconds by default.

After entry, the user must disarm the system before the entry delay expires. A progress annunciation of slow-rate warning beeps sound upon detection of the specified zone. The system counts down the last 10 seconds of the delay indication if enabled or the warning beeps become faster.

To modify the entry delay:

1. Using the numeric keypad, specify the length of the entry delay between **30** and **240** seconds.

2. Press **Enter** to save your selection.

6.4.4   Auto Arming

Auto Arming allows scheduled arming and disarming of the system for all weekdays at different hours.

To activate auto arm:

1. Using **Menu**, select the day of the week.

2. Press **Enter** to confirm.

3. Using **Menu**, select one of the following options:
   - Disabled
   - Arm Home
   - Arm Away

4. Press **Enter** to confirm.

5. Using the numeric keys, enter the system arming time (24 hours).

6. Press **Enter** to confirm the time.

7. Set the Alarm Duration between **1** to **9999** minutes, or enter **0** (zero), to disable Auto Arm Duration. The panel remains armed until disarmed by an authorized user.

6.4.5   Siren Time

This specifies the amount of time the siren sounds when an alarm has been set off. The siren time is set to three minutes by default. This relates to all siren types, wired, wireless and local.

To specify the siren time:

1. Using the numeric keypad, specify the length of the siren time between 01 and 15 minutes

2. Press **Enter** to save your selection.

6.4.6   Siren Mode

You can specify whether you want the siren to be activated when armed in Away mode only or when armed both in away and home arming modes. The siren mode is set to **Away + Home** by default. This relates to all siren types, wired, wireless and local.

To specify the siren mode:

1. Using **Menu**, select one of the following options: **Away** or **Away + Home**.

2. Press **Enter** to confirm.

6.4.7   Local Siren

Specifies whether an activated alarm causes an internal siren (emitted from the system's speaker) to sound or remain silent. The local siren is enabled by default.

To set up a local siren:

1. Using **Menu**, select either **Enable** or **Disable**.

2. Press **Enter** to confirm.

6.4.8   External Siren

Enables or disables the wireless sirens. Wireless sirens are enabled by default.

To set up external wireless sirens:

1. Using **Menu**, select either **Enable** or **Disable**.

2. Press **Enter** to confirm.

6.4.9   Supervision Time

The supervision time submenu specifies the time limit during which the system receives supervision reports from specified wireless devices. If a device does not report in at least once within the specified time limit, the system initiates an inactivity alert. The default supervision time is set to one hour.

To specify the supervision time:

1. Using **Menu**, select one of the time limit options, **20 minutes**, **1**, **2**, **4**, **6**, **8**, **16**, **24** or **48** hours.

2. Press **Enter** to confirm.

6.4.10 Jamming

Specifies whether the system detects and reports jamming – interferences of the radio channel used by the system.

The jamming detection is disabled by default.

To specify jamming detection:

1. Using **Menu**, select one of the following options:
   - Disabled: to disable jamming detection
   - EN enabled: to enable European standard jamming detection
   - UL enabled: to enable US standard jamming detection

2. Press **Enter** to confirm.

6.4.11 No Activity Time

Specifies the time limit in which the system should receive a signal from a sensor used to monitor the activity of sick, elderly or disabled people. If no device detects and reports movement at least once within the specified time limit, a "not active alert" sounds and a report is sent to the CMS (if reporting is enabled). This option is disabled by default.

> 🖉 **Note**
> The behavior of the no activity zone feature varies when in Arm or Disarm modes:
> - When Disarmed – Alert is sent to CMS
> - When Armed – An alarm is heard and an alert is sent to CMS

To set the no activity time:

1. Using **Menu**, select one of the following options:
   - **1**, **2**, **5**, **10**, **15**, or **30** minutes
   - **Disable** the timer

2. Press **Enter** to confirm.

> 🖉 **Note**
> Required zones' "No Activity" option should be set to 'Enabled' for this security feature to work.

6.4.12 Trouble Beeps

This parameter determines whether the system emits a "trouble beep" indicated by a series of four short beeps once a minute for the following "Trouble" events:

- Low battery (detectors and system)
- Supervision loss (detectors)
- Power (AC) failure (system)

- Communication failure (system)
- Tamper (system and zones)
- RF jamming

The default is set to **Disabled**.

The HLX-24 allows you to enable the beeps for daytime only 8:00 AM to 8:00 PM.

To specify trouble beeps:

1. Using **Menu**, choose **Disable**, **Day & Night (enable)**, or **Day Only** for the trouble beeps.
2. Press **Enter** to confirm.

6.4.13   Bypass Option

Specifies either manual bypassing of individual zones, or enables the system to forcedly arm open zones when armed. Bypass is turned off by default.

To set bypass:

1. Using **Menu**, select one of the following options:
   - **Off** to set the bypass off
   - **Off/Force** allows forced arming (automatic bypass) only
   - **Manual** allows manual bypass only
   - **Manual/Force** allows both forced arming (automatic bypass) and manual bypass
2. Press **Enter** to confirm.

6.4.14   Quick Arm

Enables the user to arm the system without entering a code; Quick Arm is set to disable by default.

To enable/disable quick arm without a code:

1. Using **Menu**, select either **Enable** or **Disable.**
2. Press **Enter** to confirm.

To utilize quick arm:

1. Press continuously on the **AWAY** or **HOME** keys to arm **AWAY** or **HOME**.

6.4.15   Arm Instant

Enables the user to instantly arm the system by bypassing the Exit Delay; Arm Instant is set to disable by default.

To enable/disable the Arm Instant option:

1. Using **Menu**, select either **Enable** or **Disable.**
2. Press **Enter** to confirm.

To utilize Arm Instant:

1.   Arm the system using one of the arming options.
2.   Once the exit delay countdown initiates, press either the **AWAY** or **HOME** keys once again.

6.4.16   Panic Button

The user can generate an alarm (audible or silent) by pressing continuously on the emergency button on the control panel. The remote control panic button must be pressed twice to activate the panic alarm when the CP-01 standard is enabled (see Section 6.4.25). When CP-01 is disabled, the panic button must be pressed once. The local emergency button is disabled by default.

To set a panic button:

1.   Using **Menu**, select one of the following options:

    ▪   **Audible**: to set an audible panic alarm that transmits a message to the CMS or private telephone set.

    ▪   **Silent**: to set a silent panic alarm that transmits a message to the CMS or private telephone set, but without a siren

    ▪   **Disabled**: to disable the panic alarm button all together

2.   Press **Enter** to confirm.

6.4.17   Duress Code

The system allows you to define a unique duress code, which a user can enter when forced to disarm the system under duress. The duress code is disabled when there is no duress code defined in the system. By default, the duress code option is disabled.

> ✎ The duress code should NOT be identical to any other existing code.
> Note

To change the duress code:

1.   Type a new four-digit duress code using the numeric keypad.
2.   Press **Enter** to save your new code.

6.4.18   Alarm Cancel

An Alarm Cancel window is a period of time starting at the end of the alarm abort window (Section 6.4.19), during which a user can cancel the alarm. The minimum duration of the window is 5 minutes and the maximum duration is 10 minutes. Setting "0" disables the alarm cancel transmission to the central station. The Alarm Cancel window applies to all alarms that have been subjected to the Abort window.

If an alarm had previously been transmitted, an Alarm Cancel event signal is transmitted if the control panel is disarmed during the Alarm Cancel window. By default, the Alarm Cancel time is 5 minutes.

> For a signal to be sent to the CMS, the Alerts reporting group must be enabled in Report Options (Section 6.5.3).
>
> Note

To set the Alarm Cancel:

1. Using the numeric keypad, set the alarm cancel time between **01** to **10** minutes or **00** to disable the option.

2. Press **Enter** to confirm.

6.4.19   Alarm Abort Time

The system sounds a warning, but the central station does not receive notification of the alarm if the user disarms the system within the specified alarm abort time. This function applies to interior, perimeter, and 24-hour zones. The default *Alarm Abort Time* is 30 seconds.

To set the alarm abort time:

1. Using the numeric keypad, set the alarm abort time between **01** to **45** seconds or **00** to disable the option.

2. Press **Enter** to confirm.

6.4.20   Backlight Time

Specifies the backlight options; by default, the backlight time is set to 15 seconds.

To set the backlight:

1. Using **Menu**, select one of the following options:
   - **Always**: to specify that the keypad and buttons are backlit at all times.
   - **15 secs**: to specify that the keypad and buttons are backlit for up to 15 seconds after last key press.

2. Press **Enter** to confirm.

6.4.21   Hide Display

Enables you to specify that when armed, the system does not display the system statuses or other system prompts; by default, *Hide Display* is off.

To display the system status:

1. Using **Menu**, select one of the following options:
   - **Off** to display status and prompts.
   - **On** to hide status and prompts.

2. Press **Enter** to confirm.

6.4.22 Key Beeps

Choose to turn key beeps on to hear a beep on each key press; key beeps is on by default.

To set the key beeps:

1. Using **Menu**, select one of the following options:
   - ▪ **On** to turn the key beeps on
   - ▪ **Off** to turn the key beeps off
2. Press **Enter** to confirm.

6.4.23 Select Language

The HLX-24 currently supports English only.

6.4.24 EN-CENELEC

> 🖉 The panel is not yet EN-CENELEC standard certified
>
> Note

The HLX-24 supports CENELEC standard settings. By default, all CENELEC standard settings are enabled. During the installation process, the installer may enable or disable each setting according to the local requirements.

The menu includes the following:

- ▪ Status
- ▪ Ready Options
- ▪ Access Level
- ▪ Event Filter

To set the standard status:

1. Using **Menu**, select either **Enable** or **Disable.**
2. Press **Enter** to confirm.

> 🖉 Enabling the standard sets all the standard features to default.
>
> Note Enable state and the event filter is set to 10.
>
> Disabling the standard sets all the standard features to disable state and the event filter is set to 0.

To set the ready option:

1. Using **Menu**, select **Tamper, Low Battery, AC Fail, Comm Fail, Line Fail, Panic,** or **Supervision.**
2. Press **Enter** to choose the submenu.
3. Using **Menu**, select either **Enable** or **Disable.**
4. Press **Enter** to confirm.

   The ready option restricts the relevant parameters so that the system cannot be armed during the violation of that parameter.

Example: Setting the AC Fail parameter to enable restricts the system from being armed until the power supply returns.

To set the access level:

1. Using **Menu**, select **Memory Alarm, System Status,** or **Arm Instant.**

2. Press **Enter** to choose the submenu.

3. Using **Menu**, select either **Enable** or **Disable.**

4. Press **Enter** to confirm.

   The access level options, restricts the information actions to be accessible to the user by pressing PIN number.

   Usually system's status information is valid to the user by pressing the **Enter** key. Setting each parameter to enable, the enter key should be followed by a PIN code.

To set the event filter:

1. Using the numeric keypad, specify the value for the event filter between 0 and 10 cycles.

2. Press **Enter** to save your selection.

   An event filter enables the user to specify the maximum repetition of a specific event in a session. A session is a period between each of the arming and disarming operations.

   Setting the event filter to **0** enables specific events to be recorded with no filtering to the event log.

Note	Setting **0**, **1**, **2** value in the event filter is not compatible with CENELEC standard.

6.4.25   CP-01

Note	The panel is not yet CP-01 standard certified

The HLX-24 supports CP-01 standard settings. During the installation process, the installer may change each setting according to the local requirements.

The menu includes the following:

Table 9: CP01 Menu

Menu Item	Description	Default Setting
Abort Announce	When at least 1 zone is aborted, "ABT" (abort) is displayed on the LCD once the system enters Disarm mode.	Enabled
Cancel Announce	When Alarm Cancel is transmitted to the central station, "CNL" (cancel) is displayed on the LCD once the system enters Disarm mode.	Enabled

Menu Item	Description	Default Setting
Fire Verify	Double checks the state of the fire detectors.	Disabled
	When there is a fire sensor alarm signal, a siren is heard immediately. A 60-second retard-reset period starts during which every additional fire alarm signal is ignored. After this period, an additional timeout of 60 seconds starts, which is the confirmation period, during which a fire sensor alarm signal causes an event transmission to the monitoring station.	
	When the confirmation period expires, the fire zone is automatically restored and ready for a new fire alarm session.	
Recent Close Time	A Recent Closing transmission is sent if an alarm occurs within the programmable time after the Exit Time passes.	2 minutes
Swinger Time	Duration for automatic resetting of detectors after being ignored by swinger trips	8 hours
Unvacated Premises	Triggers Arm Home (Stay) mode automatically if the system was armed in Arm Away mode but there was no exiting from the premises during exit delay	Enabled
Squawk **Buzzer**	Determines whether the buzzer sounds when arming or disarming the panel for remote operation.	Enabled
Siren	Determines whether the siren sounds when arming or disarming the panel for remote operation.	Enabled

To set the Abort Annunciation:

1. Using **Menu**, select either **Enabled** or **Disabled.**
2. Press **Enter** to confirm.

To set the Cancel Annunciation:

1. Using **Menu**, select either **Enabled** or **Disabled.**
2. Press **Enter** to confirm.

To set the Fire Verification:

1. Using **Menu**, select either **Enabled** or **Disabled.**
2. Press **Enter** to confirm.

To set the Recent Close Time:

1. Using the numeric keypad, specify the value between 0 and 9.
2. Press **Enter** to save your selection.

To set the Swinger Time:

1. Using the numeric keypad, specify the value between 0 and 9.
2. Press **Enter** to save your selection.

To set the Unvacated Premises mode:

1. Using **Menu**, select either **Enabled** or **Disabled.**
2. Press **Enter** to confirm.

To set the Squawk mode:

1. Using **Menu**, select either **Buzzer** or **Siren.**
2. Select either **Enabled** or **Disabled.**
3. Press **Enter** to confirm.

6.5   Communications

Change Code	Zones	Enrolling	Security	**COMMUNICATIONS**	Automation	Messages	Maintenance
				System Telephone			
				Private Report			
				CS Report Setup			
				Line Test			
				AC Fail Report			
				Fax Defeat			
				Number of Rings			
				Select Region			

The fifth submenu is *Communication*, which involves the setup of system communications parameters and settings with the outside world. Browse the desired communication related setting, as described in detail below, using **Menu**. Press **Enter** to access it.

6.5.1 System Telephone

This menu allows you to specify the telephone number used for the ring back option when calling the system telephone.

To set up the system telephone:

1. Press **Enter** to access the *Telephone Number* submenu.

2. Using the numeric keypad, enter the system telephone number. Use ***** to enter a comma. Use **#** to delete the last digit.

3. Press **Enter** to confirm.

> 🖊 *Note* When setting up the system telephone, use a comma (,) to indicate a delay when dialing a number.

6.5.2 Private Report

This menu enables you to set the private telephone report options as detailed below.

To set up private report:

1. Using **Menu**, select each of the following submenus and press **Enter** to confirm:

   a. **Set Numbers** – Specify the telephone numbers of the subscribers to which the system reports. You can enter up to three numbers.

      i. Using **Menu**, choose between number 1, 2 or 3 and press **Enter**.

      ii. Using the numeric keypad, enter the telephone number and press **Enter** to confirm. Use ***** to enter a comma. Use **#** to delete the last digit.

   b. **Report Options** – Specify the event groups that are included in a report.

2. Using **Menu**, choose the reporting options for each group as desired. The options are **Disable** and **Enable**.

3. Press **Enter** to confirm. The available reporting groups are:

   ▪ Alarms (Voice by default)
   ▪ Troubles (Voice by default)
   ▪ Alerts
   ▪ Bypass
   ▪ Arm/disarm
   ▪ Restore

4. Press **ESC** to exit the submenu.

5. **Dialing Attempts** – Specify the number of cycles the panel goes through while attempting to connect to a remote private phone, where a cycle consists of up to 3 different remote private phones. The default is 3 attempts.

    a. Using the numeric keypad, enter the dialing attempts value between **1** and **15**.

    b. Press **Enter** to save.

6.5.3   CS Report Setup

This menu allows you to set the Central Station (CS) report options.

To set up CS report:

1. Using **Menu**, select each of the following submenus and press **Enter** to confirm:

    a. **CS Report Method** – Specify the reporting method.

        i. Using **Menu**, select one of the following:
            o   Disable (default)
            o   Primary Only
            o   Alternate
            o   Secondary Only
            o   Both

        ii. Press **Enter** to confirm.

    b. **CS Primary** – Specify the first telephone number of the first central station to which the system reports in case of an event as well as the primary account code and report options. Under this menu, you must set the following parameters:

        ▫ **Phone Number** – The primary CS telephone number

            i. Using the numeric keypad, enter the primary CS telephone number.

            ii. Press **Enter** to confirm. Use ***** to enter a comma. Use **#** to delete the last digit.

> **Note** For PABX, use the digit followed by ***** and then the full number.

        ▫ **Account Code** – The number that identifies your system to the central station. The account code range is 0–9, B, C, D, E, and F.

            i. Using the alphanumeric keypad, enter a code of four digits/letters.

            ii. Press **Enter** to confirm.

        ▫ **Report Options** – Specify the event groups that are included in a report.

    i.   Using **Menu**, choose the reporting options for each group as desired. The options are Disable and Enable. The available reporting groups are:

- Alarms
- Troubles
- Alerts
- Bypass
- Arm/disarm
- Restore

    ii.   Press **Enter** to confirm.

    iii. Press **ESC** to exit the submenu.

▫ **Ack Timeout** – Specify the time that the system has to send a report event before the report alert is discontinued.

    i.   Using the alphanumeric keypad, set the value of the Ack timeout to a value of **10** to **60**.

    ii.   Press **Enter** to confirm.

▫ **Signal Gain** – Specify the strength of the DTMF.

    i.   Using the alphanumeric keypad, set the value of the signal gain to a value of between **300** and **1200**.

    ii.   Press **Enter** to confirm.

▫ **Call Wait Cancel** – Specify whether call waiting interferes in the event transmission to the central station by dialing *70 and entering the central station phone number. The default setting is Disabled.

c. **CS Secondary** – Specify the secondary Central Station (see CS Primary above for detailed options and instructions).

d. **CS Protocol** – Specify the reporting protocol used by the system to report events to the central stations. Currently only **Contact ID** is available.

e. **Dialing Attempts** – Specify the number of times the system attempts to dial the primary stations number before attempting to dial the secondary number. The default is 3 attempts.

    i.   Using the numeric keypad, enter the dialing attempts value between **1** and **15**.

    ii.   Press **Enter** to save.

6.5.4   Line Test

Enables you to specify the time when the phone line and CS reporting are tested and reported to the central station, as well as the time interval between each test (periodic reporting).

To set up line test:

1. Using **Menu**, select one of the two options to define, and press **Enter** to confirm:

    ▪   **Repeats** – Specify the number of days between tests. The default is 7.

        i.   Using the numeric keypad, choose **1** to **30** days.

        ii.   Press **Enter** to save.

    ▪   **Test_Time** – Specify the hour of the day to perform the line test. The test time is set at 12:00 by default

        i.   Using the numeric keypad, type the four digits of the desired hour (24H convention).

        ii.   Press **Enter** to save.

6.5.5   AC Fail Report

This option allows you to specify a delay time, before reporting the power failure to the CS, in which time power may be restored. The time is set to 0 (disabled) by default.

> Power (AC) failure is indicated by the Power LED, which flashes green.
>
> *Note*

To set up AC fail report:

1. Using the numeric keypad, set the time between **1** and **240** minutes, or set it to **0** to disable the option.

2. Press **Enter** to confirm and save your selection.

6.5.6   Fax Defeat

When calling the system, fax and answering machines may need to be overridden. This menu specifies whether to enable or disable this override. By default, this option is disabled.

To set up Fax Defeat:

1. Using **Menu**, **Enable** or **Disable** the option.

2. Press **Enter** to confirm.

6.5.7   Number of Rings

Specify the number of rings before the system answers the line. By default, this option is set to 4 rings.

To specify the number of rings:

1. Using the numeric keypad, set the number of rings to between **1** and **15**.

2. Press **Enter** to confirm.

6.5.8   Select Region/Country

Select the region/country for the telephone line DAA, matching the time set for the system. By default, this option is set to Other.

To select the region:

1. Use **Menu** to select one of the available regions.

2. Press **Enter** to confirm.

6.6   Automation

				Communications		Messages	Maintenance
Change Code	Zones	Enrolling	Security		**AUTOMATION**		
					Keypad Manual		
					Set Triggers		
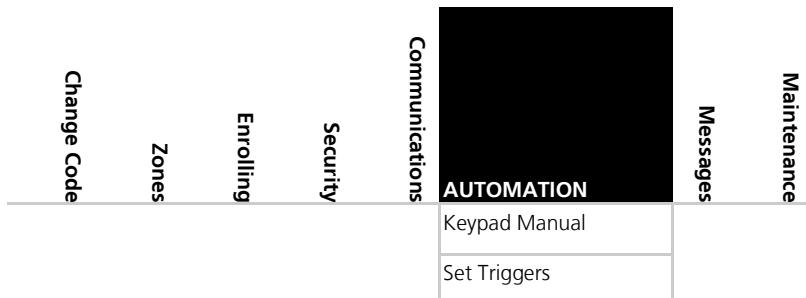
The sixth submenu is *Automation*, which deals with the setup of various home automation options. Browse the desired automation related setting, as described in detail below, using **Menu**. Press **Enter** to access it.

6.6.1   Keypad Manual

Enable or disable this option to determine whether the PGM output can be controlled by numeric keys 1 and 2 of the keypad as described in Section 2.2.1. This option is Enabled by default.

To set up the keypad:

1. Using **Menu**, **Enable** or **Disable** the option.

2. Press **Enter** to confirm your selection.

6.6.2 Set Triggers

This option enables you to activate the PGM using various events in an automated fashion. By default, no triggers are set.

To set up triggers:

1. Using **Menu**, select **PGM Trigger** and press **Enter** to confirm.
2. You can select the pulse time and triggers as described below:
   a. **Pulse time** – Set the length of time for the device to stay on when a pulse type activation is selected. Using the numeric keypad, set the time from **1** to **99** seconds and press **Enter** to save.
   b. Select the trigger type and parameters according to Table 10. Use only one trigger for each PGM simultaneously.

Table 10: Trigger Type and Parameters

Trigger	PGM Activation Options	Remarks
Arm Away	On, Off, Pulse, Ignore	
Arm Home	On, Off, Pulse, Ignore	
Disarm	On, Off, Pulse, Ignore	
Alarm	Enabled, Disabled	Go OFF when alarm stops
Panic	Pulse, Ignore	
Trouble	Pulse, Ignore	
AC Loss	Enabled, Disabled	ON when AC fails, OFF when AC returns
Exit/Entry	Enabled, Disabled	Annunciation of exit/entry beeps of remote sounder
Remote Control	On, Off, Pulse, Trouble, Ignore	Relates to remote's panic button
Zone	On, Off, Pulse, Trouble, Ignore	Relates to zone open or detection

6.7 Messages

Change Code	Zones	Enrolling	Security	Communications	Automation	**MESSAGES**	Maintenance
						Keypad Mute	
						House Name	
						Custom Zones	
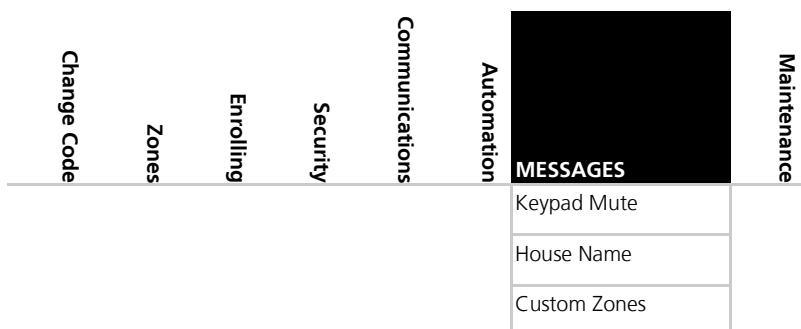
Installer Menu

The seventh submenu is *Messages*, which deals with custom text zone descriptions. Browse the desired setting, as described in detail below, using **Menu**. Press **Enter** to access it.

6.7.1   Keypad Mute

This option allows you to enable or disable the option to mute all the voice messages and beeps (except for trouble beeps, forced arming, enrollment and RF test of wireless devices) by numeric key 5 of the keypad as described in Section 2.2.1. By default, this option is Disabled.

To set up keypad mute:

1. Using **Menu**, **Enable** or **Disable** the option.

2. Press **Enter** to confirm your selection.

6.7.2   House Name

This option enables you to type the House Name as defined in the system.

To set up and review the house name:

1. In the *HOUSE NAME* menu, use **Menu** to locate the ENTER HOUSE NAME submenu.

    a. Press **Enter** to access the submenu.

        Use the alphanumeric keypad to type the desired house name. Use **#** to delete the last entered value.

    b. Press **Enter** to confirm.

6.7.3   Custom Zones

Enables you to record and listen to five voice and text custom zones descriptions and to toggle between them. On each zone, the user can simply edit the text by typing the keypad buttons. The text is limited to 16 characters.

1. Using **Menu**, locate the ENTER ZONE NAME submenu.

    ▪   Press **Enter** to access the submenu.

        Use the alphanumeric keypad to type the desired house name. Use **#** to delete the last entered value.

    ▪   Press **Enter** to confirm.

2. Repeat steps 1 through 3 for each of the 5 (five) custom zones.

> 🖉 Reset to factory settings does not delete these recordings.
> **Note**

6.8   Maintenance

Change Code	Zones	Enrolling	Security	Communications	Automation	Messages	**MAINTENANCE**
							Factory Default
							RF Test
							Test Indicators
							Test Sirens
							Test Devices

The eighth submenu is *Maintenance*, which describes the various system maintenance options. Browse the desired security related setting, as described in detail below, using **Menu**. Press **Enter** to access it.

6.8.1   Factory Defaults

This option allows you to restore the default factory settings for the system.

To restore factory default:

1.   Press **Enter** to enter the submenu. Factory Defaults is the first submenu.

2.   Press **Enter** and choose from the following four options using **Menu** to browse:

   ▪   Regular – CENELEC status disabled: Returns the factory default settings without CENELEC settings

   ▪   Cenelec – CENELEC status enabled: Returns the factory default settings with CENELEC settings

   ▪   Regular and Delete RF devices – Returns the factory default settings without CENELEC settings and erases all RF devices previous identified by the unit

   ▪   CENELEC and Delete RF devices – Returns the factory default settings with CENELEC settings and erases all RF devices previous identified by the unit

3.   Press **Enter** to confirm.

6.8.2   RF Test

RF testing checks the signal strength of all the wireless devices enrolled to the system. If a weak signal is detected, a repeater may be used to improve the link quality.

The system saves the most recent set of RF test results for uploading. The system clears the tests when running another RF test.

To perform the test:

1. Using **Menu** select the test you wish to perform, and press **Enter** to access the test.

2. Activate the RF unit to send a signal to the unit. The results can be *Strong*, *Normal* or *Low*. The available tests are:

   - Test Detectors (Walk Test) (refer to Table 11)
   - Test R. Controls
   - Test R. Siren
   - Test Keypads
   - Test Repeaters

To view the results:

1. For each of the tests, you can review the results by pressing **Enter** and then either **Menu** or the alphanumeric keys review all the units.

2. To exit the RF test mode you must press **ESC**.

6.8.3   Test Indicators

The indicators test checks the two indicator LEDs, power and status, located on the Panel.

To test the indicators:

After entering this menu, press **Enter**. The LEDs blink three times.

6.8.4   Sirens Test

This test checks the different available sirens by activating them.

To test the sirens:

1. Select the siren you wish to test:

   - Local Siren
   - Wireless siren

     - Siren 1
     - Siren 2
     - Siren 3
     - Siren 4

2. Press **Enter** to activate the sounder.

3. Press **ESC** to stop the siren.

6.8.5   Test Devices

This test checks the PGM connected to the system.

To test the PGM devices:

1. Select the PGM test

2. Press **Enter** to activate the PGM for three seconds.

7.   User Menu Structure

The user menu enables basic user settings such as Time & Date update and user codes edit (Table 11).

Table 11: User Menu Structure

Select	To
Edit Master Code	Change the Master code
User Codes	Specify user codes 1 through 20. If the user code exists, you can edit the code or delete the code.
Authorize Code	Specify the code used to configure the system's settings with the remote programming software HR-P02. The default code is 1234.
Silent Exit/Entr	Choose between disabling and enabling the progress annunciation during entry or exit delay. The default is Disabled.
Set Date & Time	Set the time and date, as specified in **Date & Time Format**.
Date & Time Format	Specify the format in which the date is specified: 24 hour format or AM/PM. Specify the format in which the date is specified: DD-MM-YY or MM-DD-YY
Zone Bypass	Enable if manual bypass has not been set to Off by the installer. It enables you to bypass and un-bypass selected zones.
Remote controls	Enroll remote controls (see Section 6.3.2)
Private Numbers	Specify up to three private telephone numbers.
PC Mode	Enable or disable PC connection and activity when GSM expansion is installed; otherwise PC mode is enabled automatically.

Select	To
Walk Test	When entering the detector's Test mode, the red and green LEDs on the panel flash every second simultaneously, and the display shows "receiving…".
	If the alert monitoring station reporting options is enabled, an E607 event is transmitted.
	The Walk Test sequence timeout is for 15 minutes. In the last 5 minutes, a squawk is heard every two seconds in addition the green and red LEDs flash simultaneously to indicate that the testing period will be terminated in another five minutes.
	If the system walk detector test is terminated, an R607 restore event is transmitted (if enabled).
	During the Walk Test, each successful detector violation causes a squawk and the signal strength is displayed.
	In the conclusion of the Walk Test, the installer may browse through the recorded results by using **Menu**. Each browsing of a record is followed by the E613 event transmission with the relevant zone indication.
	For 24-H and fire zones, reporting trouble event E380 is sent to the monitoring station.

Although the system supports up to twenty users, only one master user has access to all the settings.

To enter the user menu:

1. Press **Menu** until the screen displays **User**.

2. Press **Enter**.

3. Enter the Master code; the default code is 1234.

> The system lockouts for 90 seconds after entering 5 wrong codes.
>
> *Note*

8.   Reading the Event Log

The HLX-24 event log stores up to 250 events. When the log is full, the new incoming event replaces the oldest event.

Events are displayed in a chronological order, and include the date and time of their occurrence.

To access the Event Log:

1.   Access the event log by pressing **8** on the keypad when the system is in normal mode.

2.   To read an event, enter the Master code and press **Enter**.

3.   Browse the even log using **Menu** or go directly to an event by entering the event number using the numeric keypad.

4.   Press **Enter** to view the date and time of the occurrence.

Note	In EN-CENELEC standard menu, the event filter may be changed (default=10) so if an event reoccurs, the system only shows the event the defined number of times in the event log.
	The event registration into log reoccurs after system disarming by the user.

A. Quick Reference to Installer Menu

To enter the Installer menu, press **Menu** twice and press **Enter**. The default Installer code is 8888.

The available menus are as follows:

Menu Name	Menu Number
Change Code	1
Zones	2
Enrolling	3
Security	4
Communications	5
Automation	6
Messages	7
Maintenance	8

Table 12 presents some the features available in the Installer menu and how to access them.

Table 12: Installer Menu

Feature	Menu	Programming Location
Exit Time	Security	Press **4** and **Enter**. Then press **Enter**.
Exit Restart	Security	Press **4** and **Enter**. Then press **2** and **Enter**.
Unvacat Premises	Security	Press **4** and **Enter**. Press **26** and **Enter**. Press **Menu** until reaching "Unvacat premises" and press **Enter**.
Recent Close Time	Security/CP01	Press **4** and **Enter**. Press **Menu** until reaching "Recent Close Time". Enter the desired value (0–15 minutes).
Entry Delay	Security	Press **4** and **Enter**. Then press **3** and **Enter**.
Remote Arming	Enrolling	Press **3** and **Enter**. Press on **Menu** until reaching to "Remote controls" and **Enter**.
Remote Disarming	Enrolling	Press **3** and **Enter**. Press on **Menu** until reaching to "Remote controls" and **Enter**.
Abort Window	Zones	Press **2** and **Enter**. Select **Zone** by scrolling with **Menu** and **Enter**. Press **Menu** until reaching "Abort Window" and press **Enter**.
Alarm Abort Time	Security	Press **4** and **Enter**. Then press **20** and **Enter**.
Cancel Window	Security	Press **4** and **Enter**. Then press **19** and **Enter**.
Use of Duress Feature	Security	Press **4** and **Enter**. Press 18 and **Enter**. Enter 4 digits that will be used for the user's under duress situation.
Duress Code	Security	Press **4** and **Enter**. Then press **18** and **Enter**.

Feature	Menu	Programming Location
Cross Zoning	Zones	Press **2** and **Enter**. Select a zone by scrolling with **Menu** and **Enter**. Press **Menu** until reaching "Zone Cross" and press **Enter**.
Swinger	Zones	Press **2** and **Enter**. Select zone by scrolling with **Menu** and **Enter**. Press **Menu** until reaching "Swinger" and press **Enter**.
Fire Verify	Security/CP01	Press **4** and **Enter**. Press **Menu** until reaching "Fire Verify". Press **Menu** to toggle between Enabled and Disabled. Press **Enter** to select.
Call Waiting	Communications	Press **5** and **Enter**. Press **4** and **Enter**. Press **Menu** until reaching "CS primary" or "CS secondary" and press **Enter**. Press on **Menu** until reaching "Call Wait Cancel" and press **Enter**.
System Test	Maintenance	Press **8** and **Enter**.
Communications	Communications	Press **5** and **Enter**.
Recent Close Time	Security	Press **4** and **Enter**. Then press 26 and **Enter**. Press **Menu** until reaching "Recent Close Time" and press **Enter**.

B.   Quick Reference to User Menu

To enter the User menu, press **Menu** once and press **Enter**. The default user menu code is 1234.

The available menus are as follows:

Menu Name	Menu Number
Edit Master Code	1
User Codes	2
Authorize Code	3
Silent Exit/Entr	4
Set Date & Time	5
Date&Time Format	6
Zone Bypass	7
Remote Controls	8
Private Numbers	9
PC Serial Mode	10
Walk Test	11

Table 13 presents some the features available in the User menu and how to access them.

Table 13: User Menu

Feature	Menu	Programming Location
Exit Progress Annunciation	Silent Exit/Entr	Press **4** and **Enter**. Press **Menu** to toggle between Enabled and Disabled. Press Enter to select.
Entry Progress Annunciation	Silent Exit/Entr	**Press 4** and **Enter**. Press **Menu** to toggle between Enabled and Disabled. Press **Enter** to select.

C.   Sensor Placement and Helpful Reference Tables

C.1   Default Zone Descriptions

1	Attic	**14**	Fire	**27**	Main Entrance
2	Back Door	**15**	Front Yard	**28**	Master Bathroom
3	Back Yard	**16**	Garage	**29**	Master Bedroom
4	Basement	**17**	Garage Door	**30**	Office
5	Bathroom	**18**	Gate	**31**	Storage Room
6	Bedroom	**19**	Guest Bathroom	**32**	Store
7	Child's Room	**20**	Guest Room	**33**	Upper Bathroom
8	Closet	**21**	Hall	**34**	Upstairs
9	Den	**22**	Kitchen	**35**	Vehicle Door
10	Dining Room	**23**	Laundry Room	**36**	Walkway
11	Downstairs	**24**	Library	**37**	Warehouse
12	Elevator	**25**	Living Room	**38**	Yard Door
13	Emergency	**26**	Lower Bathroom		

C.2   Custom Zone Descriptions

Custom Zone	Description
Custom #1	
Custom #2	
Custom #3	
Custom #4	
Custom #5	

C.3   Detector Deployment Plan

Zone No.	Zone Type	Description	Chime Yes/No	No Activity Zone	PGM 1	Remarks
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						

Zone No.	Zone Type	Description	Chime Yes/No	No Activity Zone	PGM 1	Remarks
15.						
16.						
17.						
18.						
19.						
20.						
21.						
22.						
23.						
24.						

C.4   Remote Control

No.	Holder Name	Normal Operation	PGM 1	Status Request
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				

D.   Reporting Codes

Table 14 provides a listing of the codes used to communicate with the CMS.

Table 14: List of CID Codes

Programmable Feature Description	CID Code
Burglary Event (Alarm for a zone)	E130
Burglary Restore (for a zone)	R130
Fire Event (Fire Alarm for a zone)	E110
Fire Restore (Fire Alarm for a zone)	R110
24 Hour zone Audible Alarm Event	E133
24 Hour zone Audible Alarm Restore	R133
Wire Sensor Tamper Event (Zone Tamper Alarm)	E144
Wire Sensor Tamper Restore (Zone Tamper Alarm)	R144
RF Low Battery Event (for RF zone)	E384
RF Low Battery Restore (for RF zone)	R384
Loss of supervision – RF Alarm Event (for a zone)	E381
Loss of supervision – RF Restore (for a zone)	R381
Wireless Panic Alarm Event From Remote Control	E120
Wireless Panic Alarm Restore From Remote Control	R120
Sensor Trouble Event	E380
Sensor Trouble Restore	R380
Duress Report Event	E121
Open Report Event (Disarm)	E401
Close Report Event (Arm Away)	R401
Partial Close Report Event (Arm Home)	R441
Cancel Event (Alarm Cancel Report)	E406
Silent Panic From Panel	E120
Audible Panic From Panel	E120
Illegal Code Alarm	E461
Quick Arm	R408
Forced Arm	R423
Auto Arm	R403
Auto Disarm	E403
Remote arm/disarm (Disarm)	R407
Remote arm/disarm (Arm)	E407
RF receiver Jam Detect Event	E344
RF receiver Jam Detect Restore	R344
Low system battery Event (Panel Low Battery)	E302

Programmable Feature Description	CID Code
Low system battery Restore (Panel Low Battery)	R302
AC Loss Event (Panel AC Failure)	E301
AC Loss Restore (Panel AC Failure)	R301
Line Failure	E351
Line Restore	R351
Zone swinger shutdown	E575
Zone swinger restore	R575
Inaccurate Time Restore	R626
Battery Missing	E311
Tamper Event (Panel Tamper)	E137
Tamper Restore (Panel Tamper)	R137
Fire Zone Trouble Event	E373
Fire Zone Trouble Restore	R373
Fire Zone Bypass Event	E571
Fire Zone Bypass Restore	R571
24 H Zone Bypass Event	E572
24 H Zone Bypass Restore	R572
Burglar Zone Bypass Event	E573
Burglar Zone Bypass Restore	R573
Grouped Zone Bypass Event	E574
Enter Test Mode	E607
Exit Test Mode	R607
Walk Zone Tested Report Event	E613
Periodic Test Report Event	E602
Listen in Follow	E606
Programming Mode Enter	E627
Programming Mode Exit	R628
Delete User or Device	E306
Panel No Activity Alarm	E382
Zone Exit Error	E374
Zone Cross Trouble	E378
Recent To Close	E459
Auto Test	E613

*This event is not sent by the panel to the dialer. Listen in Follow code is produced by the dialer according to current configuration:

- 2-way voice enable/disable
- 2-way voice period – therefore there is no index

E.   GSM Stick Errors

Table 15 shows a list of possible errors that may appear on the HomeLogiX™ alarm panel related to the GSM stick.

Table 15: GSM Stick Errors

LCD Error Display
Communicator Error
No SIM
SIM request Fail
SIM Not Ready
No Signal (99)
RSSI Length Err
GSM Type Error
SIM Not Register

F. Settings Requirements for CENELEC

Quick Arm	Enabled
Jamming	Enabled
Tamper	Enabled
Low Battery	Enabled
AC Fail	Enabled
Comm Fail	Enabled
Line Fail	Enabled
Panic	Enabled
Supervision	Enabled
Memory Alarm	Enabled
System Status	Enabled
Arm Instant	Enabled
Event Filter	3..10

G.   Default Parameter Values

Description	Default Value	Range
Zones		
Zone 1 Settings		
Zone Type	Delay	
Zone description	ATTIC	
Chime type	No chime	
No activity check	Disabled	
Swinger trips	2	0..6
Cross zone	0	0..24
Cross time (seconds)	30	0..90
Abort time	Enabled	
Zone 2 Settings		
Zone Type	Delay	
Zone description	ATTIC	
Chime type	No chime	
No activity check	Disabled	
Swinger trips	2	0..6
Cross zone	None	0..24
Cross time (seconds)	30	0..90
Abort time	Enabled	
Zone 3 Settings		
Zone Type	Perimeter	
Zone description	ATTIC	
Chime type	No chime	
No activity check	Disabled	
Swinger trips	2	0..6
Cross zone	None	0..24
Cross time (seconds)	30	0..90
Abort time	Enabled	
Zones 4–40 Settings		
Zone type	Interior	
Zone description	ATTIC	
Chime type	No chime	
No activity check	Disabled	
Swinger trips	2	0..6
Cross zone	None	0..24

Description	Default Value	Range
Cross time (seconds)	30	0..90
Abort time	Enabled	
Security		
Exit delay (seconds)	60	45..255
Entry delay (seconds)	30	30..240
Silent exit and entry	Disabled	
Restart exit	Enabled	
Auto Arming Sunday–Saturday		
Arm mode	Disabled	
Arm time	00:00	
Arming duration (minutes)	0	0..9999
Sirens		
Siren time (minutes)	3	01..15
Siren mode	Away + Home	
Wired siren relay polarity	N.O	
Internal siren	Enabled	
Wired siren	Enabled	
General Security Settings		
Supervision time (hours)	24	1..48
Jamming detection	Disabled	
No activity timer	Disabled	
Trouble beeps	Disabled	
Bypass option	Off	
Quick arm	Disabled	
Panic button	Audible	
Duress code		
Alarm cancel time (minutes)	5	0 (disable), 5..10
Alarm abort time (seconds)	30	0..45
Backlight time	15	15, Always
Hide display	Off	
Key beeps	On	
Instant arm	On	
Language	English	
CP-01 Settings		
Recent to close time (minutes)	2	0..15
Swinger shutdown time (hours)	8	0..8
Abort annunciation	Enabled	
Cancel annunciation	Enabled	

Default Parameter Values

Description	Default Value	Range
Fire verification	Disabled	
Unvacated premises	Enabled	
Squawk buzzer	Enabled	
Squawk siren	Enabled	
EN CENELEC Setting		
Status	Disabled	
Event filter counter	0	0..10
Access memory	Disabled	
Access system status	Disabled	
Access arm instant	Disabled	
Low battery	Disabled	
Power fail	Disabled	
Tamper	Disabled	
Supervision	Disabled	
Dialer fail	Disabled	
Panic	Disabled	
Communication		
Panel phone		
GPRS Settings		
APN	Uinternet	
User name		
Password		
Server IO address	192.168.10.10	
Server port number	1545	00000..65535
Listen port number	200	00000..65535
Private Reporting		
Private phone 1 number		
Private phone 2 number		
Private phone 3 number		
Alarm reporting	Voice alerts	
Trouble reporting	Voice alerts	
Alerts reporting	Disabled	
Arm/disarm reporting	Disabled	
Restore reporting	Disabled	
Bypass reporting	Disabled	
Dialing attempts	3	1..15
Link type – private phone	Call via PSTN	

Description	Default Value	Range
Central Station (CS) Settings		
Primary CS connection method		
Primary Phone number		
Primary Account code	FFFF	
Primary Reporting option	Alarms, troubles	
Primary Link type	PSTN	
Primary Acknowledge timeout (seconds)	30	10..60
Primary Signal gain	1000	300..1200
Primary Call wait cancel	Disable	
Secondary Account code	FFFF	
Secondary Reporting option	Alarms, troubles	
Secondary Link type	PSTN	
Secondary Acknowledge timeout (seconds)	30	10..60
Secondary Signal gain	1000	300..1200
Secondary Call wait cancel	Disable	
Reporting protocol	CID	
Dialing attempts	3	1..16
Days between tests (days)	7	1..8
Line test time	12:00	
AC fail reporting delay (minutes)	0	0..240
Two Way Voice		
CS 2WV	Disabled	
CS 2WV timeout	30 seconds	30 sec,1,2,3,4 min
Miscellaneous		
CS/Private 2WV mode	Full duplex	
Fax defeat Mode	Disabled	
Number of rings	6	1..9
Country region setting	Other	
Automation		
Panel keypad PGM function	Disabled	
PGM1		
Pulse time (seconds)	5	1..99
Arm away	Ignore	
Arm home	Ignore	
Disarm	Ignore	
Alarm	Disabled	
Panic	Ignore	

Default Parameter Values

Description	Default Value	Range
Trouble	Ignore	
AC loss	Disabled	
Exit / Enter	Enabled	
RC 1–8 panic	Ignore	
Zone 1–24 opened or detected	Ignore	
PGM2		
Pulse time (seconds)	5	1..99
Arm away	Ignore	
Arm home	Ignore	
Disarm	Ignore	
Alarm	Disabled	
Panic	Ignore	
Trouble	Ignore	
AC loss	Disabled	
Exit/Enter	Enabled	
RC 1–8 panic	Ignore	
Zone 1–24 opened or detected	Ignore	
Options		
Panel keypad Mute function	Disabled	
Custom Zone Description		
House name	HOMELOGIX	
Custom Description 1	CUSTOM #1	
Custom Description 2	CUSTOM #2	
Custom Description 3	CUSTOM #3	
Custom Description 4	CUSTOM #4	
Custom Description 5	CUSTOM #5	

H.   Labeling Instructions

- See the installation diagram in Section 4.4.
- Do not connect to a receptacle controlled by a switch.
- This equipment should be installed in accordance with Chapter 2 of the National Fire Alarm Code, ANSI/NFPA 72, (National Fire Protection Association, Batterymarch Park, Quincy, MA, 02269). Printed information describing proper installation, operation, testing, maintenance, evacuation planning, and repair service is to be provided with this equipment. Warning: Owner's instruction notice: 'Not to be removed by anyone except occupant'.
- See Section 3.3 for wired zone inputs specifications.

I.   Declaration of Conformity

This equipment 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 radiate 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.

J.   Limited Warranty

The full ROSSLARE Limited Warranty Statement is available in the Quick Links section on the ROSSLARE website at www.rosslaresecurity.com.

Rosslare considers any use of this product as agreement to the Warranty Terms even if you do not review them.

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