



# **ADEMCO 5842 Wireless Dialer**

## **Installation and Setup Guide**

### **GENERAL INFORMATION**

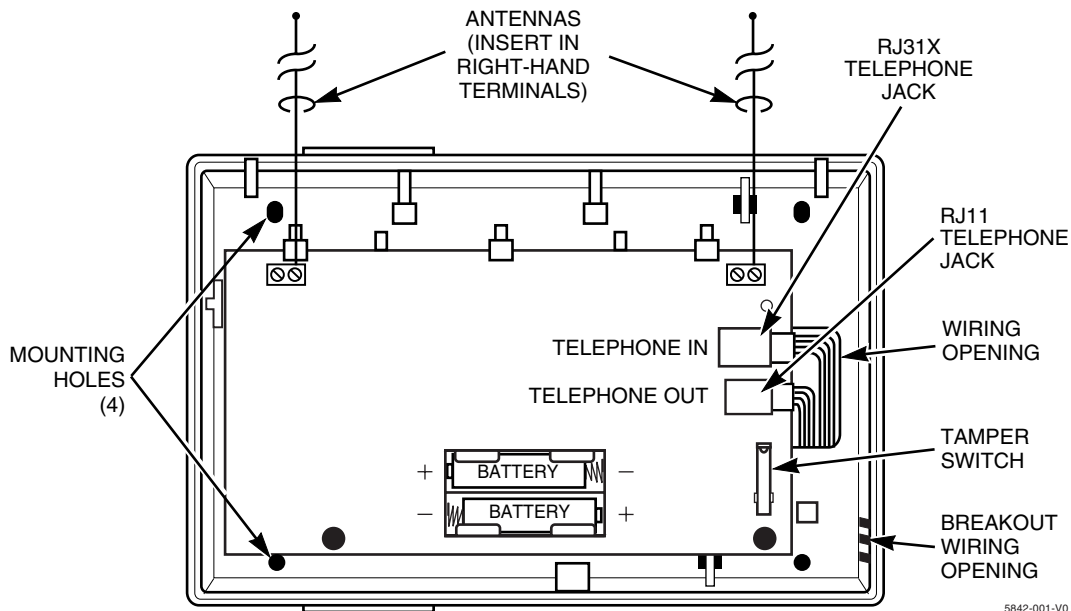
The 5842 Wireless Dialer is a combination Central Station dialer and RF transceiver. It receives and acknowledges RF messages from the control's transceiver. In response, it sends reports to the central station via the dialer. The 5842 also sends acknowledgements, supervisory and tamper RF transmissions to the control.

### **DIALER FEATURES**

- ADEMCO Contact ID® central station reporting format.
- Reports low battery conditions to control panel.
- Front cover tamper switch.

The LEDs and their functions are described below:

<b>LED</b>	<b>Function</b>
Green	Lights continuously and flickers during RF activity.
Yellow	Flashes once each time the 5842 sends an acknowledge message to the control. Stays on while the dialer is using the telephone line.
Red	Lights to indicate no setup information has been received, or setup information is incomplete. Once setup information is received the LED will go off.



**Figure 1 - 5842 Wireless Dialer (cover removed)**

### **OPERATION**

The 5842 dialer is triggered by an RF message that contains a command, (i.e. a dialer report message or a line seize and clear command). It processes the command and remains active for a short time after it has received and acknowledged the last RF message from the control panel. The 5842 then reverts to Low current standby mode. The Wireless Dialer is normally in a low current standby mode, which maximizes battery life. At specific intervals the unit's RF receiver is switched on, and listens for a "Time Sync" message from the control panel. If the "Time Sync" message is not received within a specified time the 5842 switches to an active receiving state. If the 5842 still does not receive a message it transmits a time sync fault to the control panel. Normal operation resumes after the control panel logs the event and transmits a "Time Sync Fault Restore" message. Failure to receive a kiss-off signal from the central station is reported to the control panel. Dialer reports are sent to the central station using ADEMCO Contact ID® format only.

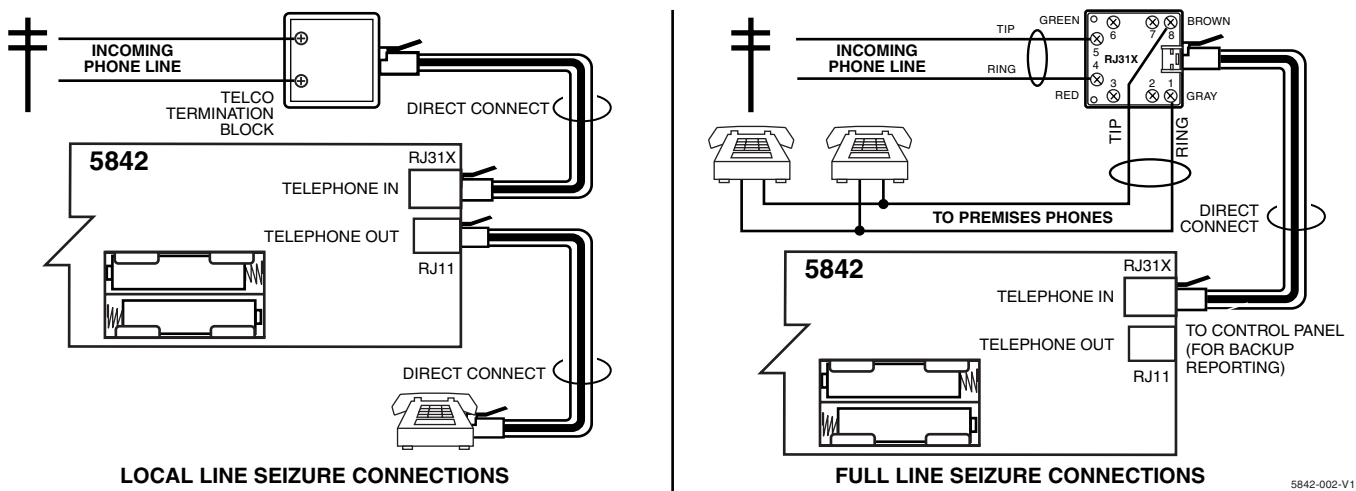
### **PROGRAMMING AND INSTALLING THE 5842 WIRELESS DIALER**

Refer to the following procedure and the Installation and Setup Guide for the Control Panel being installed to program and install the 5842 Wireless Dialer:



**If the 5842 batteries are removed refer to REPLACING THE BATTERIES section before reinstalling/replacing the cells. Use only 1.5-volt alkaline batteries. Observe the polarity when installing batteries.**

STEP	DESCRIPTION
1.	Remove the cover from the 5842 Wireless Dialer. Note: The 5842 is configured to accept programming data any time the cover is removed from the unit. The unit performs this function whether or not it has been previously programmed.
2.	Place the control in the Programming Mode and enable operation with the 5842 Wireless Dialer. Refer to the procedure in the Installation and Setup Guide for the Control Panel that is being installed.
3.	Install each antenna in the respective right-hand terminal of the two terminal blocks at the upper edge of the 5842's circuit board, and tighten the screws to secure them. (Refer to Figure 1.)
4.	Install two 1.5V AA batteries in the 5842. The 5842 will activate its receiver and begin listening for an RF broadcast from the control panel. The panel's Green, Yellow and Red LEDs will come on for one- (1) second after the unit is powered-up. Notes: (1) Do not mount the 5842 or install the cover at this time. (2) To conserve battery life, the 5842's listen mode has a five (5) minute time-out. If the 5842 times out, install and remove the cover to restart the listen mode.
5.	Exit the control panel's programming mode by entering *99.
6.	The control panel will transmit the setup information and the 5842's Green and Yellow LEDs will flash briefly.
7.	The control panel will indicate receipt of the RF acknowledgement from the 5842 by beeping three times and the 5842's red LED will go out.
8.	Install the cover on the 5842.
9.	Place the control panel in Go/No Go Test Mode.
10.	After selecting a mounting location for the 5842 remove and replace the cover to activate the tamper and ensure the control has received the transmission.
11.	Exit the controls Go/No Go Test Mode (Refer to the Installation Instructions for the Control Panel being installed) and cause the control to send several dialer reports via the 5842. Ensure that the central station receives each report.
12.	For concealed wiring, route wires through the rectangular opening at the rear of the base before mounting. For surface wiring entry, a thin breakaway area is provided along the base's right edge.
13.	Mount the case back to a wall or to an electrical box using the 25mm-long self-tapping screws that are supplied (mollies for drywall are not supplied).
14.	Make Phone Line Connections - For local or full line seizure proceed to the appropriate steps below and refer to figure 2. <b>Local Seizure:</b> Only the telephone equipment connected to the 5842 Wireless Dialer's RJ11 jack will be disconnected to prevent interference while the 5842 is using the phone line. This may or may not include ALL the telephone equipment on the premises. a. Connect the incoming phone line to the 5842's internal RJ31 jack. b. Connect the handset phone lines to either 5842's internal RJ11 jack. <b>Full Line Seizure:</b> Requires the installation of an RJ31X jack at the network demarcation (before any other premises connections). It ensures that the ALL premises telephone equipment is disconnected and will not interfere with the 5842 while it is using the phone line. In the event of a problem with the 5842 it will also ensure uninterrupted service to all premises telephone equipment when the cable to the 5842 has been disconnected from the RJ31X jack. a. Cut the incoming RING and TIP phone lines (typically red and green, respectively) and connect them to RJ31X terminals 4 (red) and 5 (green). b. Connect the premises end of the cut RING and TIP wires to RJ31X terminals 1 (grey) and 8 (brown) respectively. c. Plug one end of the Direct Connect Cord to the wireless dialer's internal RJ31 jack. d. Plug the other end of the Direct Connect Cord into the RJ31X jack.
15.	Install the cover on the 5842 and secure it with the provided screw.



**Figure 2 - 5842 Telephone Connections**

## REPLACING THE BATTERIES

STEP	DESCRIPTION
1.	Remove the cover from the 5842 Wireless Dialer.
2.	Remove two 1.5-volt AA batteries.
3.	Place the control panel into programming mode. Refer to the procedure in the Installation and Setup Guide for the Control Panel. Note: Wait at least 30 seconds before reinstalling/replacing the cells.
4.	Install two 1.5-volt AA alkaline batteries. Note: Observe the polarity when installing batteries.
5.	Exit the control panel's programming mode by entering *99.
6.	Install the cover on the 5842.

## SPECIFICATIONS

<b>Physical:</b>	5.5" H x 8" W x 2.5"D	<b>Telephone Interface:</b>	One (1), RJ-31 Jack labeled "IN" and One (1), RJ-11 Jack labeled "OUT"
<b>Antenna:</b>	Dual Antennas for spatial diversity.	<b>Battery:</b>	Two (2) 1.5-volt Alkaline cells
<b>Range:</b>	200 Ft (60.9 m) nominal		
<b>Frequency:</b>	345 MHz		

FOR DETAILS ON THE LIMITATIONS OF THE ENTIRE ALARM SYSTEM, REFER TO THE INSTALLATION INSTRUCTIONS FOR THE CONTROL PANEL THAT IS BEING INSTALLED IN CONJUNCTION WITH THIS DEVICE.

### Limited Warranty

Honeywell International Inc., 165 Eileen Way, Syosset, New York 11791, warrants its products to be in conformance with its own plans and specifications and to be free from defects in materials and workmanship under normal use and service for 24 months from the date stamp control on the product or, for products not having an Ademco date stamp, for 12 months from date of original purchase unless the installation instructions or catalog sets forth a shorter period, in which case the shorter period shall apply. Seller's obligation shall be limited to repairing or replacing, at its option, free of charge for materials or labor, any product, which is proved not in compliance with Seller's specifications or proves defective in materials or workmanship under normal use and service. Seller shall have no obligation under this Limited Warranty or otherwise if the product is altered or improperly repaired or serviced by anyone other than Honeywell factory service. For warranty service, return product transportation prepaid, to Honeywell Factory Service, 165 Eileen Way, Syosset, New York 11791.

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. IN NO CASE SHALL SELLER BE LIABLE TO ANYONE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, OR UPON ANY OTHER BASIS OF LIABILITY WHATSOEVER, EVEN IF THE LOSS OR DAMAGE IS CAUSED BY THE SELLER'S OWN NEGLIGENCE OR FAULT.

Seller does not represent that the products it sells may not be compromised or circumvented; that the products will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; or that the products will in all cases provide adequate warning or protection. Customer understands that a properly installed and maintained alarm may only reduce the risk of a burglary, robbery, fire or other events occurring without providing an alarm, but it is not insurance or a guarantee that such will not occur or that there will be no personal injury or property loss as a result. CONSEQUENTLY, SELLER SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE OR OTHER LOSS BASED ON A CLAIM THE PRODUCT FAILED TO GIVE WARNING. HOWEVER, IF SELLER IS HELD LIABLE, WHETHER DIRECTLY OR INDIRECTLY, FOR ANY LOSS OR DAMAGE ARISING UNDER THIS LIMITED WARRANTY OR OTHERWISE, REGARDLESS OF CAUSE OR ORIGIN, SELLER'S MAXIMUM LIABILITY SHALL NOT IN ANY CASE EXCEED THE PURCHASE PRICE OF THE PRODUCT, WHICH SHALL BE THE COMPLETE AND EXCLUSIVE REMEDY AGAINST SELLER. This warranty replaces any previous warranties and is the only warranty made by Seller on this product. No increase or alteration, written or verbal, of the obligations of this Limited Warranty is authorized.

FCC ID: CFS8DL5842  
CANADA: 1748542

### FCC STATEMENT

#### Federal Communications Commission (FCC) Part 15

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.

#### Industry Canada

This Class B digital apparatus complies with Canadian ICES-003.

Cet Appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

### Federal Communications Commission (FCC) Part 15 Statement

This equipment has been tested to FCC requirements and has been found acceptable for use. The FCC requires the following statement for your information:

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause 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:

- If using an indoor antenna, have a quality outdoor antenna installed.
- Reorient the receiving antenna until interference is reduced or eliminated.
- Move the radio or television receiver away from the receiver/control.
- Move the antenna leads away from any wire runs to the receiver/control.
- Plug the receiver/control into a different outlet so that it and the radio or television receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user or installer may find the following booklet prepared by the Federal Communications Commission helpful: "Interference Handbook." This booklet is available from the U.S. Government Printing Office, Washington, DC 20402. The user shall not make any changes or modifications to the equipment unless authorized by the Installation Instructions or User's Manual. Unauthorized changes or modifications could void the user's authority to operate the equipment.

## TELEPHONE/MODEM INTERFACE

### Federal Communications Commission (FCC) Part 68

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the front cover of this equipment is a label that contains among other information, a product identifier in the format US:AAAEQ##TXXX. You must provide this information to the telephone company when requested.

A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible RJ31X modular jack that is also compliant. (Refer to the installation instructions for details.)

#### Ringer Equivalence Number (REN) Notice:

The REN is used to determine the number of devices that may be connected to a telephone line. Excessive REN's on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of the REN's should not exceed five (5). To be certain of the number of devices that may be connected to a line, as determined by the total REN's, contact the local telephone company. The REN for this product is part of the product identifier that has the format US:AAAEQ##TXXX. The digits represented by ## are the REN without a decimal point (e.g., 03 is a REN of 0.3).

If this equipment causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. If advance notice not practical, the telephone company will notify the customer as soon as possible. You will be advised of your right to file a complaint with the FCC if you believe it is necessary.

Changes made by the Telephone Company, to its facilities, equipment, operations or procedures could affect the operation of this equipment. In the event that this should occur the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

If trouble is experienced with this equipment, for repair or warranty information, refer to the Limited Warranty that is provided. If the equipment is causing harm to the telephone network, the telephone company may request that it be disconnected until the problem has been resolved.

Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

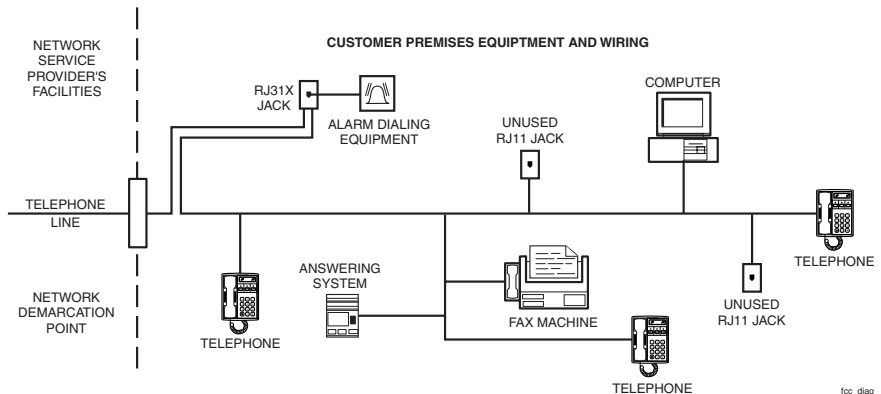
#### WHEN PROGRAMMING EMERGENCY NUMBERS AND (OR) MAKING TEST CALLS TO EMERGENCY NUMBERS:

- 1) Remain on the line and briefly explain to the dispatcher the reason for the call.
- 2) Perform such activities in the off-peak hours, such as early morning or late evenings.

#### ALLOWING THIS EQUIPMENT TO BE OPERATED IN SUCH A MANNER AS TO NOT PROVIDE FOR PROPER ANSWER SUPERVISION IS A VIOLATION OF PART 68 OF THE FCC'S RULES.

**Caution** – To insure proper operation, this equipment must be installed according to the enclosed installation instructions. To verify that the equipment is operating properly and can successfully report an alarm, this equipment must be tested immediately after installation, and periodically thereafter, according to the enclosed test instructions.

In order for 'alarm dialing equipment' to be able to seize the phone line to report an alarm or other event when other customer equipment (telephone, answering system, computer modem, etc.) connected to the same line is in use, the 'alarm dialing equipment' must be connected to a properly installed RJ31X jack that is electrically in series with and ahead of all other equipment attached to the same telephone line. Proper installation is depicted in the figure below. If you have any questions concerning these instructions, you should consult your telephone company or a qualified installer about installing the RJ31X jack and alarm dialing equipment for you.



#### Industry Canada

**NOTICE:** The Industry Canada Label identifies certified equipment. This certification means that the equipment meets telecommunications network protective, operational and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s). The Department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

**Caution:** Users should not attempt to make such connections themselves but should contact appropriate electric inspection authority, or electrician, as appropriate.

#### Ringer Equivalence Number Notice:

The Ringer Equivalence Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed 5.

# Honeywell

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