



6150RFAAA

Keypad/Transceiver

INSTALLATION INSTRUCTIONS

About the 6150RFAAA

The 6150RFAAA is a combination unit that contains:

- A 6150AAA Fixed Addressable Keypad
- A 5881H RF Receiver
- A 5800TM Transmitter
- A normally-open relay output

The 6150RFAAA Keypad/Transceiver may be used on any control panel that supports the 6150AAA keypad.

Features of the 6150RFAAA

Wireless Features

- Supports up to 8 wireless keys locally (programmed directly into 6150RFAAA) without occupying any zones supported by the control panel.
- Supports button-type transmitters (5804, 5804BD) for local operation.
- Supports a maximum of 16 transmitters programmed into any 5800 Series-supported control panel.
- Annunciates low-battery indications for the local wireless keys.
- Supports wireless keys with encryption (high-security) (5804E).
- Provides a nominal range of 200' for the RF transmitters (some transmitters have a shorter range).
- Supports RF jam detection when the receiver is enabled.
- Provides wireless key support for control panels that do not support RF themselves (4110DL).

UL/C-UL

The following transmitters are not intended for use in UL/C-UL installations: 5802, 5802MN, 5802MN2, 5804, 5804BD, 5804BDV, 5804E, 5814, 5816TEMP, 5819, 5819SBRS, 5819SWHS, 5827BD, and 5850.

Programming Features

- Provides an Auto Enroll mode for programming of wireless keys.
- Provides a method for deleting a serial number and re-enrolling a new one in its place.
- Provides default settings for wireless key functions.

Additional Features

- Can send status signals (Armed, Ready, etc.) to bidirectional units such as 5804BD, 5804BDV, and 5827BD.
- Can operate the on-board relay in conjunction with the receiver (e.g., to trip a garage door opener).
Note: This particular feature is not intended for UL/C-UL installations.
- Can activate relays programmed into the control panel.
- Provides an End User mode to enable/disable local wireless keys (e.g., if a user accidentally loses a wireless key). See the User Guide for the procedure.

Application Guidelines for the 6150RFAAA

Use the following guidelines when planning an installation:

- Local wireless keys are programmed directly into the 6150RFAAA and may be used regardless of whether the RF receiver is enabled or disabled.
- If using bidirectional devices, be sure to enable the transmitter module in the 6150RFAAA.
- If transmitters are programmed into the control panel, be sure to enable the receiver. (Make sure you do not exceed the number of receivers the control panel supports.)
- If a local wireless key is programmed to arm/disarm or to trigger a relay on the control panel, a user code must be entered into the 6150RFAAA. This user code must also be programmed into the control panel.
- You must set the House ID only if you are using RF keypads and/or bidirectional devices; **AND** the House ID Source is the 6150RFAAA (Local).

6150RFAAA Application Guide

Below is a guide that outlines how to program the wireless keys, RF receiver, and the House ID in the 6150RFAAA for your particular installation.

| Control Panel | Are you using | | Program Wireless Keys As | Program RF Receiver | House ID Source As |
|-----------------------------|-----------------------------------|--|---|---------------------|--------------------|
| | RF keys beyond system's capacity? | RF receivers beyond system's capacity? | | | |
| VISTA-15PCN, VISTA-20PCN | NO | NO | Use Programming Without Local Wireless Keys | | |
| | YES | NO | Local | Enable [1] | System [1] |
| | YES | YES | Local | Disable [0] | Local [0] |

Installing the 6150RFAAA

Locate the 6150RFAAA in an area and at a height where it is convenient for users to operate the system. The 6150RFAAA must be at least 10' from the control panel to ensure proper operation of the RF receiver.

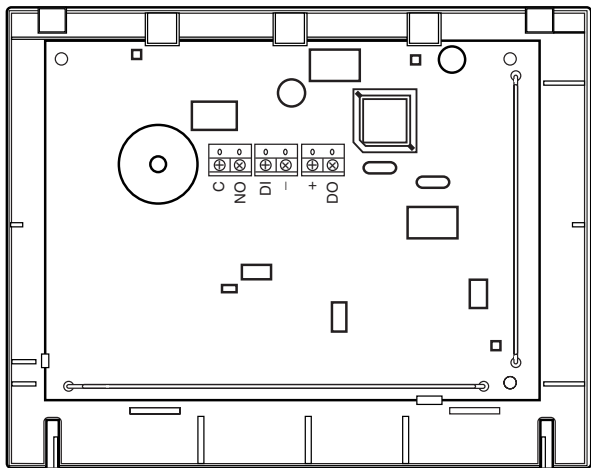


Figure 1: 6150RFAAA Wiring Connections

WIRING TABLE

| Keypad | Control Panel | Wire Color |
|--------|-----------------|------------|
| DI ▼ | Data In | Green |
| - | - Aux Pwr (GND) | Black |
| + | + Aux Pwr | Red |
| DO ▲ | Data Out | Yellow |

To install the 6150RFAAA, refer to *Figure 1* for wiring connections and perform the following steps:

| Step | Action |
|------|--|
| 1 | Remove the case back by pushing down the 2 snaps along the 6150RFAAA's bottom edge and pulling the case apart. |
| 2 | Connect the power and data wires from the control panel to the terminals on the 6150RFAAA as indicated in the wiring table adjacent to Figure 1 above. |
| 3 | Reattach the keypad to its case back. |
| 4 | Remove the clear protective films from the LCD display. |

Note: Upon powerup or exit of the Program Mode, the 6150RFAAA alternately flashes "Ad" and the 2-digit keypad address and the 2-digit receiver address on the display. Press any key to display the system status.

6150RFAAA Programming

The 6150RFAAA is shipped with pre-programmed default values. Below is a chart showing these values. Later in these instructions are diagrams showing the wireless keys' loops and their default functions. Regardless of which wireless key you use (even if it is one not shown), loops 1-4 are defaulted for all 8 devices as shown. These values may be changed to suit the installation.

Entering Program Mode

Press the [1] and [3] keys simultaneously for a few seconds within 30 seconds of applying power or within 30 seconds of removing the case back. The keypad beeps 3 times, and two dashes and two zeroes flash alternately in the upper left-hand corner of the display. If any other numbers or letters flash in the display, press the [*] key.



Pressing the [1] and [3] keys after the keypad is powered for 30 seconds or more allows you to enter the **User mode**. This mode provides a means to enable and disable individual local wireless keys (useful if, e.g., a user accidentally loses a wireless key). See the User Guide for instructions.

Programming Operations

Once you have entered the Program mode, you may move to any program address simply by entering the program address number. The 6150RFAAA will automatically exit the Program mode if no keys are pressed for 30 seconds. While in the Program mode:

- Pressing the [*] key stores the information displayed, then moves you to the next prompt, and the keypad beeps twice.
- Pressing the [#] key erases the current information and moves you back so you may enter the correct information.

Enter a program address (e.g., press [1] for Keypad Address; [2] for Receiver Address) to set the parameters in the 6150RFAAA. The following chart lists the program addresses, the keypad display, and the choices.

| Program Address | Description | Display | Choices | Default |
|-----------------|--|---------|---|---|
| 1 | Keypad Address | cA | 01-31 | 31 |
| 2 | Receiver Address | rA | 00-30 | 00 |
| 3 | House ID | hI | 01-31 | |
| 4 | House ID Source | hS | 1 = System 0 = Local | 1 System |
| 5 | Wireless Key Editing | d- | Enter Existing Device Number | |
| 6 | Receiver Enable | r- | 1 = On 0 = Off | 1 Enable |
| 7 | Transmitter Module Enable | tE | 1 = On 0 = Off | 1 Enable |
| 8 | Wireless Key Auto Enroll | d- | Enter Serial Number | |
| 8 then 2 | Wireless Key User Code | u4 | Enter 4-Digit User Code | |
| 8 then 4 | Wireless Key Loop Function | Ln | Enter Loop Number then Function (See <i>Wireless Key Function Chart</i>) | Loop 2 1 (Disarm) Loop 3 2 (Arm Away) Loop 4 3 (Arm Stay) |
| 8 then 5 | Wireless Key On-Board Relay Assignment | o- | Enter Loop Number then Relay Action | Loop 1 Close for 2 Seconds |
| 9 | Restore Defaults | EE | 1 = Restores Defaults Any Other Key = Does Not Restore Defaults | |
| 0 | High-Security Mode * | En | 1 = Enable; 0 = Disable | 0 Disable |



When operating the system in High-Security mode, non-encrypted wireless keys will still function. If you want only the encrypted wireless keys to operate, be sure to delete all non-encrypted keys from the system.

Defaulting the 6150RFAAA

To restore the 6150RFAAA to the default values, perform the following steps:

| Step | Action |
|------|---|
| 1 | Enter the Program mode by pressing the [1] and [3] keys simultaneously for a few seconds within 30 seconds of applying power. The keypad alternately flashes "00" and two dashes. |
| 2 | Press the [9] key. The display flashes "EE." |
| 3 | Press the [1] key to restore the default values, or press any other key to exit without restoring the default values. If you pressed [1], the keypad beeps 3 times and returns to alternately flashing "00" and two dashes. If you pressed any other key, the keypad does not beep, and returns to alternately flashing "00" and two dashes. |
| 4 | Press [*] to exit the 6150RFAAA Program mode. |

Programming Procedure

This section is divided into two parts.

- **Programming for an installation WITHOUT local wireless keys.**
- **Programming for an installation WITH local wireless keys.**

Use the programming procedure **WITH local wireless keys** only if you plan to use wireless keys beyond the control panel's capacity, or on a system that does not support 5800 Series wireless. Refer to the 6150RFAAA Application Guide on page 2 for installations that require these settings.

Note: See the control panel's installation instructions for acceptable keypad and receiver addresses.



- If you are using a wireless key in High-Security mode (5804E) in the control panel, it will occupy one of the devices in the 6150RFAAA.
- When operating the system in High-Security mode, non-encrypted wireless keys will still function. If you want only the encrypted keys to operate, be sure to delete all non-encrypted keys from the system.

Programming for an Installation WITHOUT Local Wireless Keys

To program the 6150RFAAA for an installation without any local wireless keys, perform the following steps:

| Step | Action | Display |
|------|---|--|
| 1 | Enter the Program mode by pressing the [1] and [3] keys simultaneously for a few seconds within 30 seconds of applying power or within 30 seconds of removing the case back. | Alternately flashes "oo" and two dashes. |
| 2 | Enter [1] (Keypad Address). Enter the 2-digit keypad address (01-31). Press the [*] key to continue. | Alternately flashes "cA" and the 2-digit keypad address. |
| 3 | Enter [2] (Receiver Address). Enter the 2-digit receiver address (00-30). Press the [*] key to continue. | Alternately flashes "rA" and the 2-digit receiver address. |
| 4 | Enter [4] (House ID Source). Enter [1] (System) to use the House ID programmed into the control panel, if RF keypad(s) and/or bidirectional device(s): <ul style="list-style-type: none"> • Are programmed in the control panel. OR • Neither is used. Enter [0] (Local) to use the House ID programmed into the 6150RFAAA (Program Address 3). Note: <i>If the House ID Source is:</i> <ul style="list-style-type: none"> • System (1), RF keypad and bidirectional units MUST match the House ID programmed into the control panel. • Local (0), RF keypad and bidirectional units MUST match the House ID programmed into the 6150RFAAA. Press the [*] key to continue. | Alternately flashes "hl" and either "1" or "0." |
| 5 | Enter [6] (Receiver Enable). Enter [1] to enable, or [0] to disable. Enable the receiver if RF transmitters or wireless keypads are programmed into the control. Note: <i>Make sure the number of receivers set for Enable (1) does not exceed the capacity of the control panel.</i> Press the [*] key to continue. | Alternately flashes "r-" and either "1" or "0." |
| 6 | Enter [7] (Transmitter Module Enable). Enter [1] to enable, or [0] to disable. Enter [1] if bidirectional devices are being used. Note: <i>If the House ID Source is System and more than one 6150RFAAA is used, make sure only one has the Transmitter Module enabled. See Note under House ID Source step 4.</i> Press the [*] key. | Alternately flashes "tE" and either "1" or "0." |
| 7 | Enter [0] (High-Security Mode). To put the system into High-Security mode, enter [1]. Enter [0] to disable. | En |
| 8 | Press the [*] key to exit the 6150RFAAA Program mode. | "READY" or "NOT READY" |

Note: This is all the 6150RFAAA programming necessary for this application. Upon exiting the Program mode, the 6150RFAAA alternately flashes "Ad," the 2-digit keypad address, and the 2-digit receiver address. If either of these is incorrect, repeat steps 1 through 3.

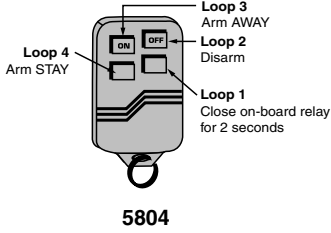
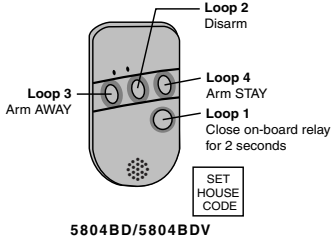
Programming for an Installation WITH Local Wireless Keys



- The 6150RF AAA is supplied with default settings for the functions of the wireless keys. See page 3.
- If, during the programming of wireless keys, you make a wrong entry and want to reprogram a wireless key, simply press the [*] key until "d-" is displayed. Then enter the correct information.

Perform steps 1-6 in the *Programming for an Installation Without Local Wireless Keys* section. Then perform the following steps:

| Step | Action | Display |
|------|--|--|
| 1 | Enter [3] (House ID). Enter the 2-digit House ID for the 6150RF AAA (01-31). Note: <i>The House ID is needed only if RF keypads and /or bidirectional units are used and House ID source is set for Local.</i> <i>The House ID entered here MUST match the House ID programmed in the RF keypad and the bidirectional unit.</i> Press the [*] key to continue. | Alternately flashes "hl" and a 2-digit number. |
| 2 | Enter [8] (Wireless Key Auto Enroll). The 6150RF AAA automatically advances to first available device number. Note: <i>If all 8 devices have been enrolled, the 6150RF AAA beeps three times and continues to alternately flash "oo" and "--."</i> | Alternately flashes "d" with the device number; and "--." |
| 3 | Press any button on the wireless key to enroll the serial number. Note: <i>If enrolling a wireless key (5804E) in High-Security mode, press all four buttons on the wireless key simultaneously.</i> | Alternately flashes "d" with the device number; and the serial number. |
| 4 | Press the [*] key to accept the serial number; OR press the [*] key to reject the serial number. If you accept the serial number, the 6150RF AAA beeps twice. If you reject the serial number, the 6150RF AAA returns to the "enroll serial number" prompt. Note: <i>A maximum of 8 wireless keys may be enrolled into the 6150RF AAA. These wireless keys DO NOT occupy any zones supported by the control.</i> If you are finished programming for now, press [*] to exit. Otherwise, continue with step 5. | If you accept the serial number, the display flashes the device number and a hyphen. If you reject the serial number, the display alternately flashes "d" with the device number; and "--." |
| 5 | Enter [2] (User Code). Enter the 4-digit user code for the wireless key. Note: <i>The user code must be a valid code that is programmed in the control panel.</i> Press the [*] key to accept the user code. If you are finished programming for now, press [*] to exit. Otherwise, continue with step 6. | Flashes "u4." Once the 4-digit user code is entered, the display flashes "u4," the first two digits, and then the last two digits of the user code. |

| Step | Action | Display | | | | | | | | | | | | | | | | | | |
|---|--|---|-------|-----------|---|-------------|---|-------------|---|-------------------------------|---|----------------|---|---|--------|-------------------------------|------------|------------------------------|------------|---|
| 6 | <p>Enter [4] (Loop Functions). Enter the loop number (1-4).</p> <p>Note: The 6150RFAAA is shipped with the loop functions pre-programmed. Perform steps 6 through 10 only if it is necessary to change any of the loop functions.</p> <p>Loop 1 Close the 6150RFAAA On-Board Relay for 2 sec. Loop 2 1 (Disarm) Loop 3 2 (Arm Away) Loop 4 3 (Arm Stay)</p> <p>See the Wireless Key Function Chart below for the choices.</p> <p>Wireless Key Function Chart</p> <table border="1"> <thead> <tr> <th>Function</th> <th>Entry</th> </tr> </thead> <tbody> <tr> <td>Disarming</td> <td>1</td> </tr> <tr> <td>Arming Away</td> <td>2</td> </tr> <tr> <td>Arming Stay</td> <td>3</td> </tr> <tr> <td>Arming Maximum (Away Instant)</td> <td>4</td> </tr> <tr> <td>Arming Instant</td> <td>7</td> </tr> <tr> <td>Panic Alarm <i>Produces type of alarm [* & #] programmed in control panel.</i></td> <td># + 99</td> </tr> <tr> <td>Manually Start a Relay Action</td> <td># + 7 + nn</td> </tr> <tr> <td>Manually Stop a Relay Action</td> <td># + 8 + nn</td> </tr> </tbody> </table> <p>nn = 2-digit Device Number (programmed in the panel) to be controlled</p> <p>Press the [*] key.</p> | Function | Entry | Disarming | 1 | Arming Away | 2 | Arming Stay | 3 | Arming Maximum (Away Instant) | 4 | Arming Instant | 7 | Panic Alarm <i>Produces type of alarm [* & #] programmed in control panel.</i> | # + 99 | Manually Start a Relay Action | # + 7 + nn | Manually Stop a Relay Action | # + 8 + nn | <p>Flashes "Ln."</p> <p>Once the loop number is entered, alternately flashes "L" with the loop number; and the present function.</p> <p>Default Loop Functions</p>  <p>5804</p>  <p>5804BD/5804BDV</p> |
| Function | Entry | | | | | | | | | | | | | | | | | | | |
| Disarming | 1 | | | | | | | | | | | | | | | | | | | |
| Arming Away | 2 | | | | | | | | | | | | | | | | | | | |
| Arming Stay | 3 | | | | | | | | | | | | | | | | | | | |
| Arming Maximum (Away Instant) | 4 | | | | | | | | | | | | | | | | | | | |
| Arming Instant | 7 | | | | | | | | | | | | | | | | | | | |
| Panic Alarm <i>Produces type of alarm [* & #] programmed in control panel.</i> | # + 99 | | | | | | | | | | | | | | | | | | | |
| Manually Start a Relay Action | # + 7 + nn | | | | | | | | | | | | | | | | | | | |
| Manually Stop a Relay Action | # + 8 + nn | | | | | | | | | | | | | | | | | | | |
| 7 | Repeat step 6 for the rest of the loops of the wireless key. | | | | | | | | | | | | | | | | | | | |
| 8 | To program a button on the wireless key to control the on-board relay, enter [5] (On-Board Relay Assignment). | Flashes "o-." | | | | | | | | | | | | | | | | | | |
| 9 | <p>Enter the loop number of the wireless key (1-4). Enter the relay action (0 = no action; 1 = relay off; 2 = relay on; 3 = relay toggles on and off; 4 = relay closes for 2 seconds).</p> <p>Note: The relay action must be "0" for UL installations.</p> <p>Press the [*] key.</p> | <p>Flashes "o" and the loop number.</p> <p>Once the action is entered, displays "o" and alternately flashes the loop number and the relay action.</p> | | | | | | | | | | | | | | | | | | |
| 10 | Repeat step 9 for the rest of the loops. | | | | | | | | | | | | | | | | | | | |
| 11 | When all loops have been programmed for the wireless key, press the [*] key. | Flashes "d" followed by the device number. | | | | | | | | | | | | | | | | | | |
| 12 | <p>The 6150RFAAA automatically displays the next available device number (one that does not have a serial number).</p> <p>If you want to program additional wireless keys, repeat steps 3 through 10. Otherwise, press the [#] key. This takes you back to the main display, which alternately flashes "oo" and "-."</p> | | | | | | | | | | | | | | | | | | | |
| 13 | Enter [0] (High Security Mode). To put the system into High-Security mode, enter [1]. Enter [0] to disable. | En | | | | | | | | | | | | | | | | | | |
| 14 | Press [*] to exit the 6150RFAAA Program mode. | | | | | | | | | | | | | | | | | | | |

Note: Upon exiting the Program mode, the 6150RFAAA alternately flashes "Ad," the 2-digit keypad address, and the 2-digit receiver address. If either of these is incorrect, repeat steps 1 through 3 in the *Programming for an Installation Without Local Wireless Keys* section.

Deleting, Replacing, or Editing Wireless Keys

Use the following procedure to delete, replace, or change any of the programming for a wireless key.

| Step | Action | Display |
|------|---|---|
| 1 | Enter the Program mode by pressing the [1] and [3] keys simultaneously for a few seconds within 30 seconds after applying power. | Alternately flashes "oo" and two dashes. |
| 2 | Enter [5] (Wireless Key Editing). Enter the device number for the wireless key you want to edit. This must be a device that has its serial number programmed in the 6150RFAAA already. To delete the serial number, press [*], then press [9], then press [*] again. To exit without deleting the serial number, press the [#] key. Press the [*] key to continue. | Flashes the device number and a hyphen. Once the device number is entered, alternately flashes "d" with the device number and the serial number. |
| 3 | To change any of the programming for the wireless key, perform one of the following step in the <i>Programming for an Installation WITH Local Wireless Keys</i> section. <ul style="list-style-type: none"> For the user code, perform step 5. For the loop functions, perform steps 6 and 7. For the on-board relay assignment, perform steps 8 to 9. | Alternately flashes "d" with the device number and "--." |
| 4 | When you have completed editing the wireless keys, press the [*] key twice to exit the Program mode. | |

Note: Upon exiting the Program mode, the 6150RFAAA alternately flashes "Ad," the 2-digit keypad address, and the 2-digit receiver address. If either of these is incorrect, repeat steps 1 through 3 in the *Programming for an Installation Without Local Wireless Keys* section.

Troubleshooting

The following error messages cause the 6150RFAAA to produce rapid beeps for 5 seconds. The table below describes the error messages and the corrective actions.

| Display | Probable Cause | Corrective Action |
|-----------------|---|--|
| Lb | Low battery in the wireless key | <ol style="list-style-type: none"> Replace the battery if the wireless key has a replaceable battery. Replace the transmitter if the wireless key does not have a replaceable battery. |
| OC | Open circuit | Verify that the Data Out (DO) wire is connected properly. |
| 1C | Incompatible connection | Verify that the control panel is not a First Alert-type control panel. |
| Check 09 | <ol style="list-style-type: none"> 6150RFAAA Receiver is not communicating Another device on the keypad terminals is not communicating to the control panel | <ol style="list-style-type: none"> Verify that the Data In (DI) wire is connected properly. Verify the wiring connections between the control and all other devices. |

Specifications

Physical: 6-1/2" H x 4-7/8" W x 1-1/8" D
(165mm x 123mm x 28.6mm)

Electrical: +12.5VDC

Wiring: Refer to Wiring Table on page 2

Range: 200 feet nominal

Frequency: 345 MHz

Current: Standby 80mA

Backlighting on and
Sounder on 105mA

Relay: Normally Open, 1A, 28VDC

Sounder: Piezo-electric (fire alarm is loud pulsing tone; burglary/audible panic alarm is continuous tone)

FOR DETAILS ON THE LIMITATIONS OF THE ENTIRE ALARM SYSTEM, REFER TO THE INSTALLATION INSTRUCTIONS FOR THE CONTROL PANEL WITH WHICH THIS DEVICE IS USED.

IC/FCC STATEMENT

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.

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.

FCC ID: CFS8DL6150RF

Canada: 1564104192A53

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.

LIMITED WARRANTY

Honeywell International Inc., acting through its ADEMCO business ("Seller"), 165 Eileen Way, Syosset, New York 11791, warrants its product(s) 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(s) or, for product(s) 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(s) 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(s) is altered or improperly repaired or serviced by anyone other than ADEMCO factory service. For warranty service, return product(s) transportation prepaid, to ADEMCO 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 product(s) it sells may not be compromised or circumvented; that the product(s) will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; or that the product(s) will in all cases provide adequate warning or protection. Customer understands that a properly installed and maintained alarm system 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 THAT THE PRODUCT(S) 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(S), 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(s). No increase or alteration, written or verbal, of the obligations of this Limited Warranty is authorized.



300-138 Portage Avenue East
Winnipeg, Manitoba
R3C 0A1
204-949-0078 or
866-949-0078

302-1301 8th Street South West
Calgary, Alberta
T2R 1B7
403-233-7454 or
800-655-2644

15911-121A Avenue
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780-421-8741 or
800-688-2970



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