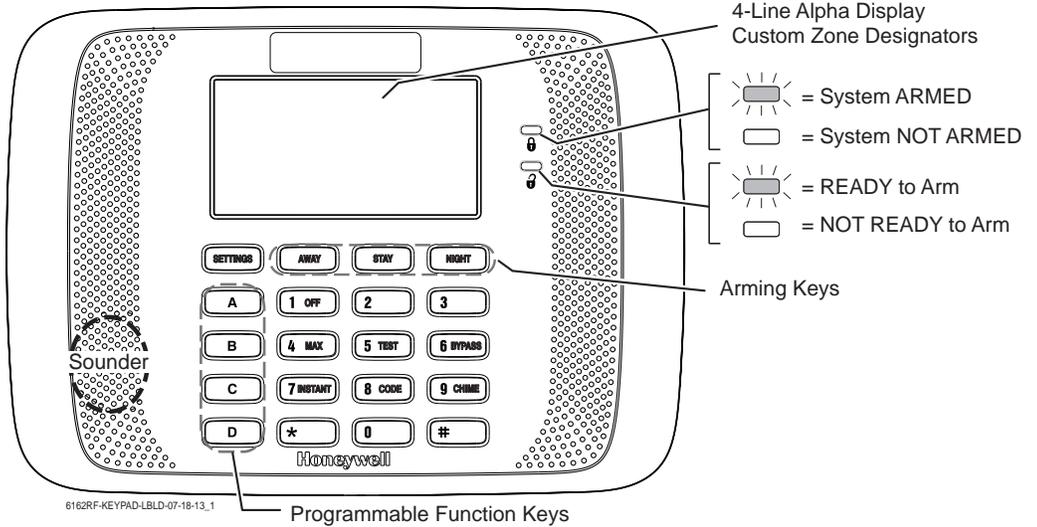


## ADEMCO 6162RF Keypad / Transceiver – Installation and Setup Guide

Alphanumeric Addressable Keypad/Transceivers for use with Honeywell Control Panels; incorporates functions of a High RF Receiver and a 5800 Transmitter module.

- Supports wireless key transmitters (e.g., 5834-4) and bi-directional transmitters (e.g.; 5804BD, 5828/5828V).
- Supports wireless keys with high-security (encryption) capability (e.g.; 5834-4EN).
- Provides a nominal range of 200 feet for RF transmitters (some transmitters have a shorter range).
- Supports RF jam detection.



To activate Function keys, press and hold key for at least 2 seconds; key pairs are activated immediately.

### PROGRAMMABLE FUNCTION KEYS

A or 1 OFF and *
B or * and #
C or 3 and #
D

**Note:** See the control's instructions for details on programming the Function keys for panic alarms or other special functions (i.e., macros).

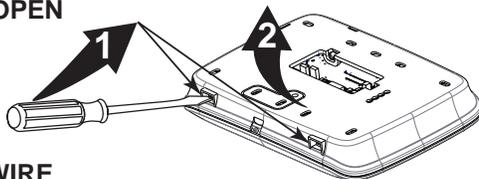
### SETTINGS KEY FUNCTIONS

Settings Key	Result
Press <b>SETTINGS</b>	Displays Settings Menu*: 1 Set Time/Date 2 View Event Log 3 Reboot Keypad 4 Set User Code**

\* Follow instructions in the User Guide for these options; selecting option 3 reboots the 6162RF keypad (the keypad beeps and the ARM and READY LEDs flash for several seconds).

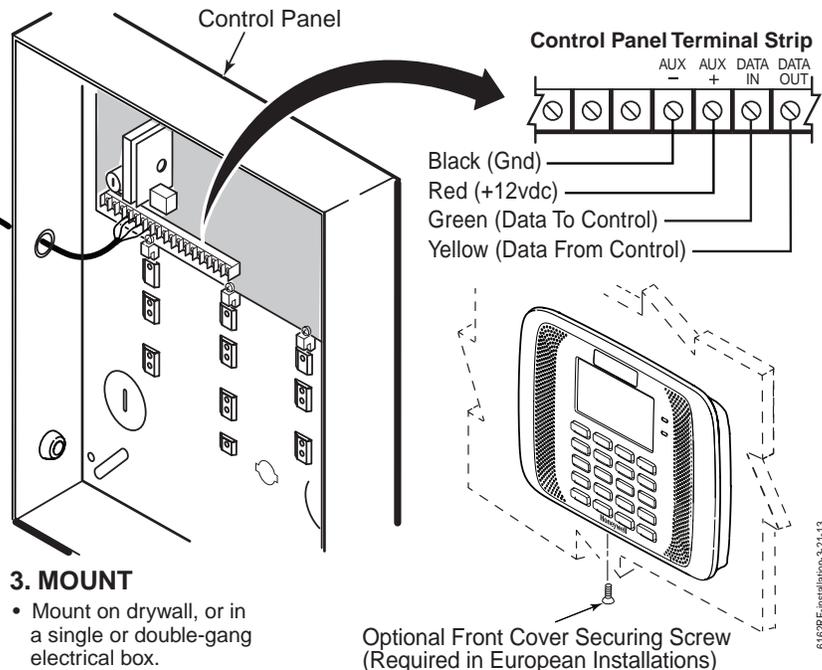
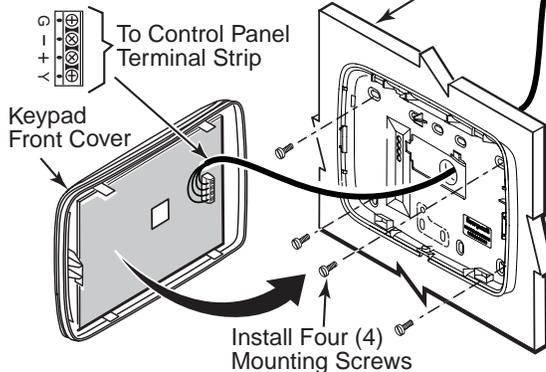
\*\* Menu-Based User Code programming is available only on certain controls. See the Control panel instructions for details.

### 1. OPEN



### 2. WIRE

- Connect only one wire per terminal.
- For Daisy-Chain Configurations, use wire splicing so only one wire is connected to each terminal.



### 3. MOUNT

- Mount on drywall, or in a single or double-gang electrical box.

## APPLICATION GUIDELINES FOR THE 6162RF

**Table 1 – Application Guidelines**

If...	And...	Then...
This is the only transceiver on the system,	You want to use both the receiver and transmitter function on a single-partition system,	<ul style="list-style-type: none"> <li>Set the keypad to a device address assigned to the desired partition.*</li> <li>Enable the receiver.</li> <li>Program a system House ID in the control panel (this will enable the transmitter function).**</li> <li>Set the wireless devices that will communicate with this 6162RF to the same system House ID.</li> </ul>
There is another receiver or transceiver on the system,	You want to use only the transmitter function on a second partition,	<ul style="list-style-type: none"> <li>Set the keypad to a device address assigned to the desired partition.*</li> <li>Disable the receiver.</li> <li>Program a DIFFERENT House ID in the 6162RF than is programmed in the control panel.* / **</li> <li>Set the wireless devices that will communicate with this 6162RF to the same House ID as the 6162RF.</li> </ul>
	You want to use only the transmitter function on a single-partition system,	<ul style="list-style-type: none"> <li>Set the keypad to a device address assigned to the Partition 1.</li> <li>Disable the receiver.</li> <li>Program a House ID in the 6162RF that matches the system House ID programmed in the control panel.*</li> <li>Set the wireless devices that will communicate with this 6162RF to the same House ID.</li> </ul>

**Notes:**

\* On VISTA-40 panels and above, wireless keypads (e.g., 5828) can only be used on a single partition. This partition is programmed in field 1\*48, and must match the partition assigned to the 6162RF. Wireless keys can be used on more than one partition, using a House ID programmed in the 6162RF and the devices. In this case, the wireless keys must be assigned to the same partition as the 6162RF.

\*\* On VISTA-20P panels, the 6162RF will use the House ID programmed in the panel for the partition to which it is assigned. Wireless keypads can only be used on Partition 1.

### 4. PROGRAM

Refer to the following procedure to program the 6162RF:

**Table 2 – 6162RF Programming**

STEP	DESCRIPTION	DISPLAY	CHOICES
1.	<p><b>Enter Programming Mode:</b> Within 60 seconds of power up, press and hold down the <input type="button" value="1 OFF"/> and <input type="button" value="3"/> keys at the same time for 3 seconds.</p> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>If unable to enter program mode, reboot the keypad and try again after the keypad LEDs stop flashing (refer to Settings Key Functions Table on page 1).</li> <li>The keypad will not enter address mode if the control panel to which it is connected is in programming mode.</li> <li>If 30 seconds passes with no key entry, the keypad automatically exits address mode. Reboot the keypad and enter address mode again.</li> </ul>		
2.	<p><b>Keypad Address.</b> The keypad address appears (Default = 16). Enter a two-digit keypad address. Press the <input type="button" value="*"/> key to continue.</p> <p><b>Note:</b> Refer to the control panel's installation instructions for acceptable keypad addresses.</p>	CON ADDR = 16	00-31
3.	<p><b>Receiver Enable.</b> Enter [1] to enable, or [0] to disable the receiver. Press <input type="button" value="*"/> to continue.</p>	RECEIVER ON [0= OFF]	1 = ON 0 = OFF
4.	<p><b>Receiver Address.</b> If the receiver is enabled, enter the two-digit receiver address. (00-30).</p> <p><b>Note:</b> Refer to the control panel's installation instructions for the acceptable receiver addresses.</p> <p>Press <input type="button" value="*"/> to continue.</p>	REC ADDR = 00	00-30
5.	<p><b>User Code.</b> Enter a valid four-digit user code to enable Single Button Arming keys. The user code must be programmed in the control.</p> <p>Press <input type="button" value="*"/> to continue.</p>	USER CODE : ****	0000-9999
6.	<p><b>House ID.</b> This prompt will only appear if the receiver is disabled. If the receiver is enabled the 6162RF will use the House ID programmed in the panel. Refer to Application Guidelines section when selecting a House ID. To program a House ID: Enter 01-31; To disable the transmitter: Enter 00</p> <p><b>Note:</b> Each device that will receive status from the 6162RF must be set to the same House ID as the 6162RF (refer to Application Guidelines section).</p>	HOUSE ID = XX	01-31 00 = Disable Transmitter

**Table 2 – 6162RF Programming** (continued)

STEP	DESCRIPTION	DISPLAY	CHOICES
6. (cont.)	Press <input type="text" value="*"/> to continue.		
7.	<b>Enable High Security Mode.</b> Enter [1] to select High Security Mode. <b>Note:</b> If the High Security mode is enabled, the 6162RF will only recognize encrypted devices. If the High Security mode is disabled, the 6162RF will process commands from both encrypted and non-encrypted devices. Press <input type="text" value="*"/> to continue.	HIGH SECURITY OFF [1 = ON]	1 = ON (Enable) 0 = OFF (Disable)
8.	<b>Disable High Security Devices.</b> Press the <input type="text" value="*"/> key to skip this prompt and exit Program Mode.	DISABLE HS DEV? NO [1 = YES]	1 = YES 0 = NO

**ACTIVATING HIGH SECURITY DEVICES**

The procedure below should be followed when using High-Security (encrypted) devices.

**Table 3 – Activating High Security Devices**

STEP	DESCRIPTION
1.	Follow the normal procedure for programming the device into the control panel (refer to the Installation Instructions for the device that you are programming). Exit out of Programming Mode.
2.	Put the control panel in Go / No Go Test mode. (See the Installation Guide for the panel being installed.)
3.	Follow the instructions supplied with each wireless device to enroll the device in High-security mode. After each device is enrolled, the 6162RF will momentarily display “SECURE DEVICE” along with the device number and its serial number. <b>Note:</b> The 6162RF will support a maximum of 8 devices. If you attempt to enroll additional devices the keypad will display “EXCEEDED NUMBER” “ALLOWED DEVICES”.

**CHANGING USER CODE AND DISABLING HIGH SECURITY DEVICES**

This mode gives you the ability to change the user code used to enable the single button arming keys and disable high security on all wireless keys that have been enrolled in the 6162RF. The disable high security devices option is particularly useful if a user loses a wireless key.



Once high-security (encrypted) devices have been disabled, they will only operate if the 6162RF is set to listen to both encrypted and non-encrypted devices (programming step 6 in Table 2). To completely disable the devices, they must be deleted from the control panel.

**Table 4 – Disabling High Security Devices**

STEP	DESCRIPTION	DISPLAY	CHOICES
1.	After the keypad has been powered for at least 60 seconds, press and hold down the <input type="text" value="1 OFF"/> and <input type="text" value="3"/> keys at the same time for 3 seconds. The current keypad address will be displayed. (You cannot change the keypad’s address at this point.) Press <input type="text" value="*"/> to continue.	CON ADDRESS=XX	Programmed Keypad address appears
2.	<b>User Code.</b> At the User Code prompt, enter the valid 4-digit user code that will be used to enable the single button arming keys. Press <input type="text" value="*"/> to continue.	USER CODE : ****	0000-9999
3.	<b>Delete High Security Devices.</b> Enter [1] to remove all high-security (encrypted) devices. Press <input type="text" value="*"/> to continue.	DELETE DEVICES? NO [1 = YES]	1 = YES 0 = NO
4.	If YES was selected in Step 2 the unit will display a confirm request to delete the stored high security device. Enter [1] to accept and press <input type="text" value="*"/> to exit the programming mode.	ARE YOU SURE? NO [1 = YES]	1 = YES 0 = NO

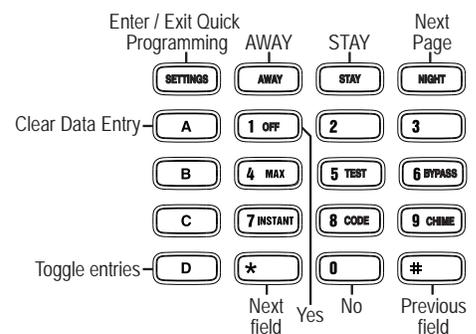
**OPTIONAL MENU MODE PROGRAMMING FEATURE\***

The Menu Mode Programming allows easy data entry and system programming for a basic installation. Refer to the Menu Mode Programming Supplement for details.

\*Menu Mode Programming is available only with certain controls. See the Control panel instructions for details.

**To Enter Menu Mode Programming:** First enter the normal Control programming mode [Installer Code + 800], then press and hold  for 2 seconds. Wait for the ‘Communicating...’ screen to disappear, then use the data entry and navigation keys to move through the programming screens. See the control panel Programming instructions for complete details.

**Navigation and Data Entry Keys**



## TROUBLESHOOTING

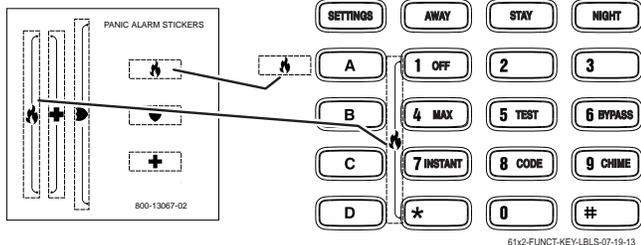
The error messages listed in the following table cause the 6162RF to produce a single ding tone. Table 5 describes the error messages and the corrective actions.

**Table 5 – Troubleshooting**

Display	Probable Cause	Corrective Action
<b>Open Ckt</b>	No data is being received from the control panel.	Verify that the Yellow keypad wire is connected properly.
<b>Check 100 RF Receiver</b> <b>Check 8xx*</b>  *xx= the device address of the receiver.	1. The control panel does not see the 6162RF Receiver, or the Receiver is not functioning.  2. Another device on the keypad terminals is conflicting with this receiver address.	1a. Verify that the Yellow and Green keypad wires are connected properly. 1b. Verify that the receiver address is set for 00.  2. Verify the address of all devices on the keypad bus.

## FUNCTION KEY LABELS

A set of adhesive-backed labels with some typical function symbols (fire, police, personal emergency) is provided. These labels can be placed next to the keys to identify each key's function for the end user (as determined by the control panel's capability and programming; see the control's instructions).



## SPECIFICATIONS

- Physical:** 4.88"H x 6.934"W x 1.02"D  
**Displays:** 4 x 16 alpha-numeric supertwist LCD, backlit.  
**Sounder:** Speaker [fire alarm is loud, pulsing single tone; (all Keypads) burglary alarm is loud, continuous, dual tone].  
**Voltage:** 12VDC (power-limited)  
**Current:** 210mA (ARMED LED lit, LCD backlight and sounder on), reduces to 120mA when panel is operating in standby mode (backlight off).  
**NFPA-72:** Compliant.

### FEDERAL COMMUNICATIONS COMMISSION STATEMENT:

The user shall not make any changes or modifications to the equipment unless authorized by the Installation Instructions or User Manual. Unauthorized changes or modifications could void the user's authority to operate the equipment.

### CLASS B DIGITAL DEVICE 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.
- Consult the dealer or an experienced radio/TV technician for help.

### INDUSTRY CANADA CLASS B 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.

### FCC / IC STATEMENT:

This device complies with Part 15 of the FCC Rules, and RSS 210 of Industry Canada (IC). Operation is subject to the following two conditions: (1) This device may not cause harmful interference (2) This device must accept any interference received, including interference that may cause undesired operation.

Cet appareil est conforme à la partie 15 des règles de la FCC & de RSS 210 des Industries Canada. Son fonctionnement est soumis aux conditions suivantes: (1) Cet appareil ne doit pas causer d'interférences nuisibles. (2) Cet appareil doit accepter toute interférence reçue y compris les interférences causant une réception indésirable.

**REFER TO INSTALLATION INSTRUCTIONS FOR THE CONTROL PANEL WITH WHICH THIS DEVICE IS USED FOR WARRANTY INFORMATION AND LIMITATIONS OF THE ENTIRE ALARM SYSTEM.**

**WARRANTY INFORMATION:** For the latest warranty information, please go to [www.honeywell.com/security/hsc/resources/wa](http://www.honeywell.com/security/hsc/resources/wa)

**DOCUMENTATION AND ONLINE SUPPORT:** For the latest documentation and online support information, please go to: <http://www.security.honeywell.com/hsc/resources/MyWebTech>

**Honeywell**

2 Corporate Center Drive, Suite 100  
P.O. Box 9040, Melville, NY 11747

Copyright © 2013 Honeywell International Inc.  
[www.honeywell.com/security](http://www.honeywell.com/security)



800-11508V1 7/13 Rev A