

## ADEMCO 6149ICON & 6165ICON Remote Keypads

### INSTALLATION AND SETUP GUIDE

#### GENERAL INFORMATION

The ADEMCO 6149ICON and 6165ICON are addressable remote keypads designed for use with ADEMCO control panels. Addresses are set via the keypad keys. The keypads have the following features:

- Backlit Display \*
- Special Function Keys
- Built-in Piezo

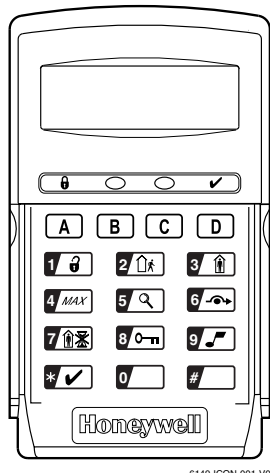
\* Permanent display backlighting is an option on some Control Panels (refer to the Control's Installation and Setup Guide for details).

#### KEYPAD DISPLAYS AND LEDS

The 6149ICON/6165ICON keypads contain icons and a 3-digit zone identifier to display status (the universal icons are shown on the next page). The 6149ICON has a fixed word LCD display whereas the 6165ICON has a 2-line alphanumeric LCD display

The following table shows the LEDs and their functions:

LED	Function
ARMED (Green)	Lights when the system is armed in any mode
READY (Green)	Lights when the system is "ready" to be armed.



**Figure 1 – 6149ICON/6165ICON Keypad**  
(shown with cover removed)

#### SPECIAL FUNCTION KEYS

The keypads also feature function keys. These keys may be programmed for panic alarms or other special functions such as macros. See the control's instructions for details.



**Function keys must be held down for at least two (2) seconds to activate an alarm. Key pairs activate immediately.**

The following key are used by the 6149ICON/6156ICON to manually activate silent emergency, audible emergency, personal emergency, or fire alarms:

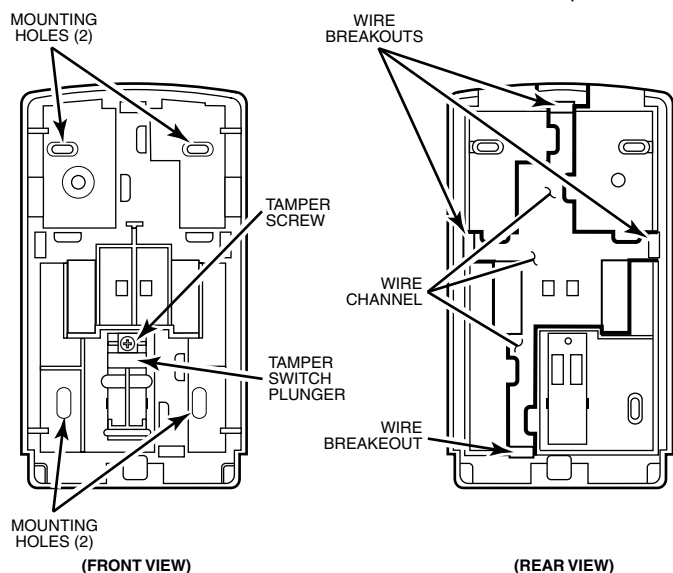
#### Special Function Keys

A or [1] and [*]
B or [*] and [#]
C or [3] and [#]
D

#### MOUNTING AND WIRING THE KEYPAD

The keypads can be surface mounted directly to walls. A built-in tamper switch detects separation of the case-back from its mounting surface. To include tamper protection, a tamper screw must be inserted in the case-back, as shown in Figure 2.

**NOTE:** Not all control panels support keypad tamper reporting. Refer to the individual Control Panel's Installation and Setup Guide.



**Figure 2 – Mounting the keypad**

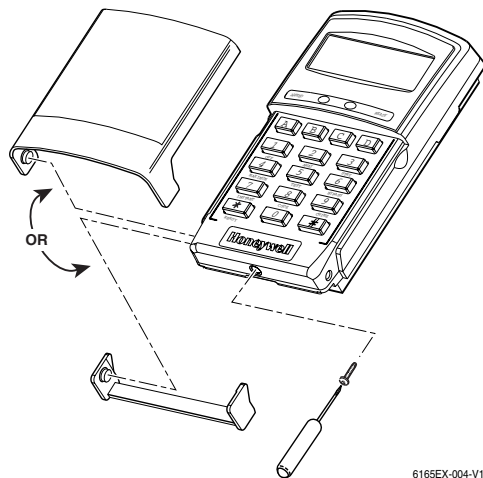
1. Separate the case back from the keypad.
2. If using the tamper switch place the case back on a flat surface and insert a screw through the tamper switch plunger in the case back, as shown in Figure 2. Tighten the tamper screw until the upper portion of the tab (near the tamper screw) contacts the case back.
3. Route wiring from the control panel through the opening in the case back.
4. Mount the case back to a wall.
5. Wire directly from the keypad's terminal block to the terminal block on the control board as follows:

#### Wiring Table (All Keypads)

Keypad	Control Panel	Wire Color
G▲	Data In	Green
–	– Aux Pwr (GND)	Black
+	+ Aux Pwr	Red
▼Y	Data Out	Yellow

Refer to the control panel's Installation and Setup Guide for more complete details.

6. Reattach the keypad to its case back.
7. Test the tamper function and adjust the plunger (if necessary) before securing the keypad to its case back with the screw (refer to Figure 3).
8. Install the cover or the optional door substitute trim, if the cover will not be used.



**Figure 3 – Securing the Case** (shown with cover removed)

## PROGRAMMING THE KEYPAD

### Setting the Keypad Address

The keypad can either be set for an address of 00-30, or to the non-addressable mode (31). The keypad's default address is 31.

To change the keypad's address, perform the following steps:

1. Enter address mode:

Power up the keypad. Within 60 seconds of power-up, press and hold down the [1] and [3] keys at the same time for 3 seconds. (If unable to enter address mode, power down and try again.)

The current keypad address will be displayed, and the tens" digit will blink. If 10 seconds have passed with no key entry, the keypad automatically exits address mode. You must power down, power up and start address mode again.

**NOTE:** The keypad will not enter address mode if the panel to which it is connected is in programming mode.

2. Set the current address to "00":  
Press [0] to clear the current "tens" digit. The "ones" digit will blink. Press [0] to clear the current "ones" digit. The "tens" digit will blink.
3. Enter the keypad's address:  
Enter the proper "tens" digit of the keypad's address. The "ones" digit will blink. Enter the proper "ones" digit of the keypad's address. Note that address "31" sets the keypad to non-addressable mode.
4. Exit address mode:

Press [\*] to exit address mode and proceed to display mode.

### Setting the Display Mode

The 6149ICON/6165ICON has three optional display modes. The default option "d1" will be displayed on the keypad.

- Option 1: The display is always active.  
Option 2: The display and LEDs are blanked until a key is pressed. The display will remain active for 45 seconds after the last key has been pressed.  
Option 3: The display and LEDs are blanked 45 seconds after the panel is armed and remains blank until the panel is disarmed

1. Select keypad option:

Enter the option number.

2. Exit the display mode.

Press [\*] to save the display settings and exit programming mode.

## VIEWING THE KEYPAD ADDRESS

Press and hold down the [1] and [3] keys at the same time for about 3 seconds. The current address is displayed. No key entry is allowed. Press any key to exit or wait 10 seconds to exit viewing mode.

## UNIVERSAL ICONS



6149-ICON-002-V0

ARMED	BATTERY	MAINS	NO MAINS
1 OFF	6 BYPASS	2 NIGHT	
2 AWAY	7 INSTANT	✓ - READY	NOT READY
3 STAY	8 CODE	CHECK	
4 MAX MAXIMUM	9 CHIME	ALARM	NO ALARM
5 TEST	* READY	FIRE	

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## SPECIFICATIONS

**Physical:** 4-7/8"H x 2-7/8"W x 1-1/4"D

### Displays:

6149ICON Fixed-Word LCD (backlit)

6165ICON 2 x 16 alpha-numeric supertwist LCD, backlit.

### Sounder:

Piezo-electric (fire alarm is loud, pulsing single tone; (all Keypads) burglary alarm is loud, continuous, dual tone).

**Voltage:** 12VDC

**Current:** 70mA (ARMED LED lit, LCD backlight and sounder on), reduces to 40mA when panel is operating in standby mode (backlight off).

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



K6205-1 2/06 Rev. A

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