

# 6160 Keypad Installation Manual

K3590-ADV5 9/10 Rev. B

Honeywell

ADEMCO 6150 & 6160  
REMOTE KEYPADS

INSTALLATION AND SETUP GUIDE

Keypad Features	ADEMCO 6150 Fixed-Word	ADEMCO 6160 2-Line Alpha
Backlit Display	✓ (see note)	✓ (see note)
Dedicated Function Keys	✓	✓
Built-in Sounder	Piezo	Speaker

Note: Permanent display backlighting is an option on some controls (see the control's instructions for details).

GENERAL INFORMATION

The ADEMCO 6150 and ADEMCO 6160 are addressable Remote Keypads designed for use with ADEMCO control panels. Addresses are set via the keypad keys. The keys on the keypads are continuously backlit for convenience. Supervised by control panel (if supported).

**ULC** For ULC installations, the VISTA-1288R/VISTA-2500R Series must be used with the ADEMCO 6160 keypad.

KEYPAD DISPLAYS AND LEDS

The keypads have the following display features:

Model	Fixed Word Display	2-line Alpha Display	2-digit Zone Identifier	Custom Zone Descriptors
6150	X		X	
6160		X		X

The following table shows the LEDs and their functions:

LED	Function
Red	Lights when the system is armed in any mode.
Green	Lights when the system is "ready" to be armed.

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 2 seconds to activate an alarm; key pairs are activated immediately.

Function Keys
A or [1] and [8]
B or [8] and [9]
C or [3] and [9]
D

WIRING AND INSTALLATION

The keypads can be surface mounted directly to a drywall, or to a single- or double-gang electrical box.

1. Push the two case release snaps at the bottom of the keypad with the blade of a medium screwdriver (this will push in the release snap), then pull that side of the case back away. Insert the screwdriver in the side of the keypad (between the front and back case) and gently twist to release the side locking tab. Repeat for the other side. Refer to Figure 1 for location of the case back release snaps and locking tabs.
2. Route wiring from the control panel through the opening in the case back.
3. Mount the case back to a wall or electrical box.
4. Wire directly from the keypad's terminal block to the terminal block on the control panel. (See Wiring Table below).

NOTE: No more than one wire per terminal may be connected. If daisy-chained configuration is required, pig-tail wires together so that only one wire is terminated under the screw. Use 14-22 AWG wire only!

Wiring Table (All Keypads)

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

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

5. Reattach the keypad to its case back.

6160 keypad installation manual is a critical resource for anyone looking to install this widely used security system component. The 6160 keypad, produced by Honeywell, is known for its reliability and user-friendly interface, making it a popular choice for both residential and commercial security applications. This article will guide you through the necessary steps to properly install the 6160 keypad, ensuring that your security system operates effectively.

## Understanding the 6160 Keypad

The 6160 keypad is a part of the Honeywell security system series, designed to provide users with an interface to control their alarm systems. Its

features include:

- Backlit display for easy visibility in low light conditions
- Simple programming functions to customize your alarm system
- Ability to control multiple zones and settings

Before starting the installation process, it's essential to familiarize yourself with the keypad's components and functions to ensure a smooth installation.

## **Tools and Materials Needed**

Before you begin the installation of the 6160 keypad, gather the following tools and materials:

- Flathead screwdriver
- Phillips screwdriver
- Drill with appropriate drill bits
- Wire cutters/strippers
- Level
- Electrical tape
- 6160 keypad
- Wiring harness (if not included with the keypad)

Having these tools ready will make the installation process more efficient.

## **Preparing for Installation**

Before you install the keypad, consider the following steps to ensure a successful setup:

# 1. Choose the Location

The location for your 6160 keypad is crucial. Here are some factors to consider:

- **Accessibility:** The keypad should be easily accessible to users.
- **Visibility:** Install it in a location where it is visible, allowing for quick access during emergencies.
- **Proximity to the main control panel:** Minimize the distance between the keypad and the control panel for effective communication.

Typically, keypads are installed near entry points such as doors or garages.

# 2. Ensure Power Supply

Ensure that there is a power supply nearby. The 6160 keypad requires a 12V DC power source. You may need to run wiring from the control panel to the keypad location.

# 3. Check Wiring Requirements

The keypad will require four wires for installation:

- Power (positive and negative)
- Data (two wires for data communication)

Make sure you have sufficient wire length to connect the keypad to the control panel.

# Installing the Keypad

Once you have prepared the installation site and gathered your materials, follow these steps to install the 6160 keypad:

## **Step 1: Mark the Mounting Holes**

1. Hold the keypad in the desired location.
2. Use a level to ensure it is straight.
3. Mark the mounting holes with a pencil.

## **Step 2: Drill the Holes**

Using the drill, create holes at the marked locations. If you are mounting the keypad on drywall, use appropriate anchors to ensure a secure fit.

## **Step 3: Connect the Wires**

Before connecting the wires, ensure that the power to the control panel is turned off to prevent any electrical hazards. Follow these instructions to connect the wiring:

1. Strip about half an inch of insulation from each wire.
2. Connect the power wires (red for positive and black for negative) to the corresponding terminals on the keypad.
3. Connect the data wires (usually yellow and green) to the data terminals on the keypad.

Refer to your control panel's manual for specific wire connections.

## **Step 4: Mount the Keypad**

1. Align the keypad with the drilled holes.
2. Secure the keypad using screws provided.
3. Ensure it is firmly attached and does not wobble.

## **Step 5: Power On and Test**

After securing the keypad, turn on the power to the control panel. Check the following:

1. Ensure the keypad lights up as expected.
2. Test all buttons to confirm they are functioning properly.
3. Program the keypad according to the control panel's manual.

# Programming the Keypad

Once the keypad is installed, programming is essential to customize its functions. Refer to the 6160 keypad manual for specific programming instructions. Here are the general steps:

## 1. Enter Programming Mode

To enter programming mode, you typically need to press a specific series of buttons. This usually involves entering a master code, which is outlined in the control panel's manual.

## 2. Set User Codes

You can program multiple user codes to allow different people access to your system. To do this:

1. Select the programming option for user codes.
2. Enter the master code followed by the code number you wish to program.
3. Input the desired user code and confirm.

## 3. Configure Settings

The keypad allows you to customize various settings, including:

- Entry delay times
- Alarm settings
- Chime functions

Follow the manual for detailed instructions on how to adjust these settings.

## Troubleshooting Common Issues

Even with proper installation, you might encounter issues. Here are some common problems and solutions:

## 1. Keypad Not Lighting Up

- Solution: Check power connections and ensure the power supply is working.

## 2. Buttons Not Responding

- Solution: Ensure the wiring is properly connected. Also, check for any physical obstructions.

## 3. Incorrect User Codes

- Solution: Double-check that the user codes were entered correctly during programming.

## Maintenance Tips

To keep your 6160 keypad functioning optimally, consider these maintenance tips:

- Regularly check battery and power supply connections.
- Keep the keypad clean and free of debris.
- Periodically test the keypad functionality to ensure reliability.

## Conclusion

The installation of the 6160 keypad is a straightforward process that enhances the security of any property. By following the steps outlined in this installation manual, you can ensure that your keypad is set up correctly and functioning efficiently. Proper installation and regular maintenance will provide peace of mind, knowing that your security system is reliable. Always refer to the specific manuals for your control panel and keypad for the most accurate information and guidelines.

# Frequently Asked Questions

## **What is the first step in the installation process for the 6160 keypad?**

The first step is to ensure that the power is turned off to the security system to prevent any electrical hazards during installation.

## **How do I mount the 6160 keypad on the wall?**

To mount the 6160 keypad, use the provided mounting template to mark the drill holes, then drill the holes and secure the keypad using the provided screws.

## **What type of wiring is required for the 6160 keypad?**

The 6160 keypad requires 4-wire connections: power, ground, and two data wires (usually labeled as A and B).

## **Can I install the 6160 keypad outdoors?**

The 6160 keypad is designed for indoor use only. For outdoor installations, consider using a weatherproof keypad.

## **How do I program the 6160 keypad after installation?**

To program the keypad, you will need to access the programming mode on your security panel and follow the keypad's specific programming instructions outlined in the manual.

## **What LED indicators are present on the 6160 keypad?**

The 6160 keypad features LED indicators for power, armed status, and trouble alerts, which help users understand the system's status at a glance.

## **Is there a specific distance requirement for wiring the 6160 keypad?**

Yes, it is recommended to keep the distance of the wiring from the security panel to the keypad within 2000 feet to ensure reliable communication.

## **What troubleshooting steps should I take if the 6160 keypad is not working?**

First, check the power supply and connections. If those are fine, ensure the wiring is correct and consult the troubleshooting section of the installation manual for further guidance.

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