

Keypad

Installation Guide

Introduction

The LA GARD Keypad is the User interface for the entire System. The Keypad comes in two varieties: Display and non-Display. The Display variant shows messages on screen while the non-Display version requires various button combinations to carry out specific functions. The Keypad supports up to 5 safe locks at a given time with the Multiplexer accessory.

Mount a Keypad

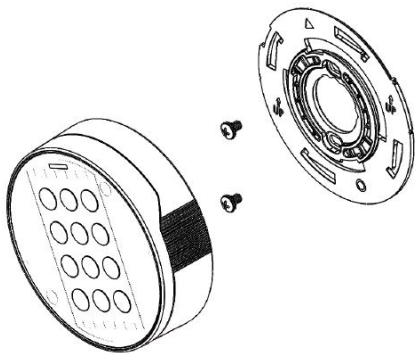
Prior to connecting a safe lock to a Keypad, the Keypad must first be mounted to the exterior of the safe door. Follow these steps to properly mount a Keypad to the safe door:

1. Drill and tap the holes into the outside of the safe wall using the provided drill and tap template. Deburr the middle hole with a file or rotary tool.
Note: Some safe manufacturers might include these holes at the OEM level.
2. Attach the Keypad base plate onto the safe door using the provided Phillips head screws. The screws provided come in two variants: Metric M4-07 or US Customary Unit #8-32.
3. If mounting a deadbolt or springbolt, do the following:

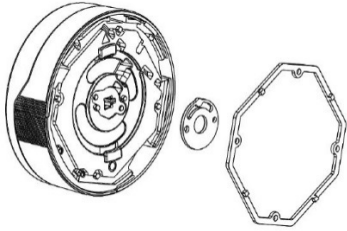


Do not use the anti-rotate device during this process, as it will render the safe permanently locked.

- a. Run the safe lock cable through the cable holder and place the cable holder over the corresponding posts of the Keypad body
- b. Press the spindle all the way through the bottom of the plastic housing
- c. Place the Keypad on the door. Rotate the Keypad 25 degrees clockwise so that it is vertically aligned. Measure 0.354 inches (9.0 mm) past the edge of the safe door and mark the spindle with a pen or marker.
- d. Remove the Keypad from the safe door and remove the spindle from the Keypad
- e. Cut the spindle to the appropriate length as determined from Step c
- f. Place the newly cut spindle into the Keypad, once again feeding it through the cable and spindle holder
- g. Run the safe lock cable through the opening in the safe door
- h. Place the Keypad over the opening in the grooves of the base plate and rotate it 25 degrees to the vertical position



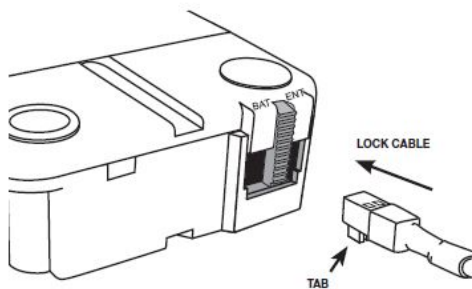
4. If mounting a swingbolt, do the following:
 - a. Place the anti-rotate device inside the four-hole locations in the housing. Press down lightly so the anti-rotate device sinks into the channel in the housing
 - b. Run the cable through the opening in the cable holder and place the cable holder over the corresponding posts in the Keypad body
 - c. Run the safe lock cable through the opening in the safe door
 - d. Place the Keypad over the opening in the channel of the base plate and rotate 25 degrees to the vertical position. Some resistance occurs when winding up the anti-rotate device
 - e. The anti-rotate device will click into place, permanently locking the Keypad into a vertical position; the Keypad cannot be removed from the safe door without damaging the Keypad
 - f. Install the swingbolt



Connect a Safe Lock to a Keypad

Once the Keypad and safe lock(s) are physically installed onto the safe, they can be connected to form a System. Follow these steps to connect a safe lock to a Keypad:

1. For single lock Systems, do the following:
 - a. Connect the cable from the Keypad into the ENT port. If a Battery Box, Alarm Box or AC power adapter is used, plug the cable from any of those accessories into the safe lock BAT port (as shown in the diagram below)



- b. Follow the on-screen prompts for Display Keypads or consult the Keypad Installation Guide (Document #7033.0320) for non-Display Keypads to enter the lock settings and initialization
2. For multi-lock Systems, do the following:
 - a. Connect the Keypad cable to the port on the side of the Multiplexer
 - b. Connect the first safe lock (known as Lock #1 to the System) from the ENT port to the #1 input on the Multiplexer
 - c. From Lock #1, connect from the BAT port to a power supply (either the AC Adapter into a wall receptacle or to the BAT port of a Battery Box)
 - d. Repeat Step b for each safe lock

- e. Display Keypads will show prompts on screen to continue, while non-Display Keypads require pound (#) commands. Consult the System User Guide (Document #7041.0320) for more information

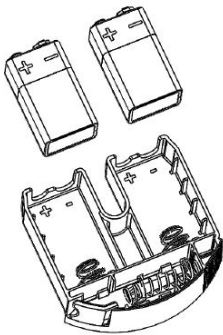
Battery Access Procedures

The System can be powered multiple ways: AC adapter (see Document #7037.0320), Battery Box (see Document #7035.0320), and/or battery power from the Keypad.

Only the standard profile Keypad possessed a battery pack for primary power, while a low-profile version uses a battery backup in case of emergencies.

For standard profile Keypads, do the following:

1. Press the button located at the bottom of the battery pack. The spring mechanism will partially eject the battery pack out of the housing.
2. With the battery pack partially removed, grab the tip of the battery pack and remove it from the Keypad.



For low profile Keypads, do the following:

1. If backup (emergency) power is needed, flip up the battery panel on the lower housing, which will release a battery strap.
2. Connect the 9V battery to the strap and use that power to get into the safe. After the safe door is opened, disconnect the 9V battery and fold the strap back into the low-profile Keypad.

Specifications

Batteries

Standard Profile Keypad: 2 x 9V DC alkaline batteries (Eveready™ or Duracell™ strongly preferred)

Low Profile Keypad: 1 x 9V DC alkaline batteries (Eveready™ or Duracell™ strongly preferred, for emergency access)

Relay

12V DC @ 20 mA Max input

Environmental

Operating & Storage Temperature Range: For UL compliance, this product was verified for operation at 32 – 122 °F (0 – 50 °C)

Relative Humidity Range: 0 – 95% non-condensing

Safe Lock Models

Keypad Models 701, 702, 702D, 703, 703B, 704, 704B and 705 (Input Units Keypads) for use with High Security Lock Models 731 (Deadbolt), 732 (Springbolt), 733 (Swingbolt), and 734 (Redundant Lock).