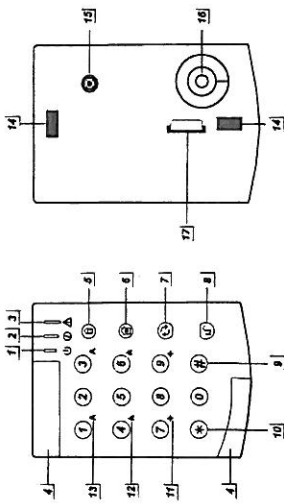


REMOTE KEYPAD (KP-9/KPA-9)

Identifying the Parts



- 1 Active LED
- 2 Status LED
- 3 Fault Display LED
- 4 Slide Out Section
- 5 Arm Key
- 6 Home Key
- 7 Key
- 8 Disarm Key
- 9 # Key
- 10 Mounting Hole
- 11 Tamper Switch
- 12 Buzzer
- 13 Battery Insulator
- 14 * Key
- 15 + Key
- 16 Fire Key
- 17 A Key

<NOTE>
 A short beep will sound along with key pressing to indicate that the button pressed is valid.
 4 continuous beeps will sound indicating mistake and the user should repeat the process again

LED Indicator

- **Active LED (Green/Orange):**
 - Green LED on: the system is in **Test Mode**.
 - Green LED flash: **low battery in Test Mode**.
 - Orange LED on 5 seconds: the system is in **Normal Operation Mode**.
 - Orange LED flashes for 5 seconds: **low battery in Normal Operation Mode**.

<NOTE>
 When idle, all LEDs are off. After any key press, the Active Orange LED goes on for 5 seconds indicating that Remote keypad is active.
 Active Orange LED will turn off after successful completion of a valid keystroke sequence, or when the pause in between key strokes is longer than 5 seconds.
 When the Active Orange LED turns off before a valid keystroke sequence is completed, the previous entered keys are ignored.

Status LED (Green/Red):

- Red LED on: the system is in **Away Mode**
- Red LED flash: the system is in **Home Mode**
- Green LED on: activation of **Disarm Mode**
- Green flash: failure due to the following reasons:
 - > No response sent by the control panel within 4 seconds.
 - > PIN code was incorrect.
 - > Request for Home mode during Arm mode.
 - > Request for Force arm

Fault LED (Orange):

- Orange flash: system failure (panel tamper, AC fault, sensor temper, sensor out of order, open door)
- Orange LED on: Alarm Memory (depend on Control Panel)

Power

- Remote keypad uses one CR2450 3V 540mAh Lithium battery as its power source. Its typical battery life is over 3 years at an average of 4 activations a day.
- Remote keypad can also detect the battery status. If the battery voltage is low, the Active LED will flash (Green in Test mode or Orange in Normal mode) during operation. The Low battery signal will be sent along with regular signal transmissions to the Control Panel for displaying the status accordingly
- Before shipment, the battery is pre-installed by the factory.

Power Saving Feature

- When idle, Remote keypad is in **Stand-by** mode and uses no power. It will activate and **wake-up** for 5 seconds when any key is pressed.
- After 5 seconds of key inactivity, the power goes off and it returns to **Stand-by** mode.
- Upon completion of a command input, the power goes off and Remote keypad returns to **Stand-by** mode

Test Mode

- Remote keypad can be put into Test mode by entering the PIN code (default: 0000) followed by * key. The Active Green LED goes on along with a long beep sounding.
- To exit Test mode, press (F) key twice. Remote keypad will sound a long beep and the Active LED will turn from Green to Orange, then Remote keypad returns to Normal Operation mode. Otherwise, Remote keypad will automatically exit Test mode after 5 minutes and return to Normal Operation mode.

<NOTE>

- The Test Mode is helpful to bypass Remote keypad Tamper alarm when installing, replacing low batteries or removing to different mount site.
- When Remote keypad is in Test mode, it operates as **wake-up** condition thus will NOT disconnect after 5 seconds.

Under the Test mode, the following functions can be enabled:

- Press * key and then 7 key — to transmit Remola keypad learn signal
- Press * key and then 2 key — to enable Dual-key Panic Alarm function
- Press * key and then 3 key — to enable Dual-key Fire Alarm function
- Press * key and then 4 key — to enable Dual-key Medical Alarm function
- Press * key and then 6 key — to change the Pin Code
- Enter Old Pin Code and then press (F) key
- Enter New 4-digit Pin Code and then press # key.
- Press * key and then 5 key — to disable all Dual Key function
- Press (F) key twice — to leave the Test Mode.
- Press * key and then 8 key — to enable Arm/ Home without PIN Code function
- Press * key and then 9 key — to enable Arm/ Home with PIN Code function

Tamper Protection

- The keypad is protected against any attempt to open the lid or to detach keypad from its mounting surface.
- Tamper protection is disabled when the keypad is in Test Mode.

● Installation Procedures

- Step 1. Put remote keypad in Test mode by entering KP PIN code (default: 0000), then press * key. The Active Green LED will turn on alone with a long beep sounding.
- Step 2. Adding remote keypad into the Control Panel.
 - i. Put the Control panel into Device +F; menu and select the Add Devices sub menu.
 - ii. Press * key then 7 key when requested. Remote keypad will sound a long beep.

<NOTE>

If remote keypad does not sound a long beep, it means the Control Panel does not receive the signal from remote keypad, please press * key then 7 key again.

- iii. Refer to the operation manual of your control Panel under the section of Device +F; to complete the learn-in process.
- iv. After Control Panel receives the signal from remote keypad, it will send an acknowledgement back to remote keypad. The remote keypad will then beep 3 times to confirm the acknowledgement has been received.

<IMPORTANT NOTE>

If remote keypad does not perform 3 beeps, please restart the learning procedure from Step 1.

- Step 3. After the Remote keypad is learn-in, put the Control Panel into Walk Test mode, hold the Remote keypad in the desired location, and press the * key then 7 key to confirm this location is within signal range of the Control Panel.

- Step 4. When you are satisfied that the Remote keypad works in the chosen location, you can proceed with mounting the Remote keypad following the steps described below (see *Mounting Remote Keypad*).

- Step 5. Setting the KP Pin Code.

- i. When the keypad is under Test mode, press * key then 6 key, a long beep will be sound.
 - ii. Enter 0000 (default PIN code)
 - iii. Press ↵ key, remote keypad sounds a long beep.
 - iv. Enter your new 4-digit code.
 - v. Press # key, remote keypad sounds a long beep. The new PIN code is enabled.
- Step 6. Press 'u' key twice to leave Test mode and the installation is completed.

● Mounting Remote Keypad

To mount the remote keypad:

- i. Remove the 2 slide-out sections of front cover.
- ii. Using the 2 mounting holes as a template, mark off the positions in the most appropriate place.
- iii. Insert the wall plugs if fixing into plaster or brick surface.
- iv. Screw the Remote keypad onto the wall plugs.
- v. Replace the 2 slide-out sections.

● How to Set System Mode

You may choose to arm/home arm with or without a Pin Code.

- Step 1. **Arm/Home with Pin Code** — In the Test mode, Pressing * key and then 9 key can enable Arm/ Home with Pin Code function

- Step 2. Enter Arm Mode: Enter any one of Control Panel user code and press (B) key. At normal operation, the Status Red LED will turn ON alone with a long beep.

- Step 3. Enter Home Mode: Enter any one of Control Panel user code and (C) key. At normal operation, the Status Red LED will flash 4 times alone with 3 beeps.

- Step 4. Return to Disarm Mode: Enter any one of Control Panel user code and 'u' key. The Status Green LED will turn ON along with 2 beeps.

Arm/Home without PIN Code — In the Test mode, Pressing * key and then 8 key can enable Arm/ Home without PIN Code function

- Step 1. Enter Arm Mode: Press (D) key. The Status Red LED will turn ON alone with one long beep.

- Step 2. Enter Home Mode: Press (E) key. The Status Red LED will flash 4 times alone with 3 beeps.

- Step 3. Return to Disarm Mode: Enter any one of Control Panel user code and 'u' key. The Status Green LED will turn ON along with 2 beeps.

● General Operation

- Step 1. If there is Alarm Memory, the Status Green LED and fault LED will turn ON, with 5 beeps (depending on Control Panel).
- Step 2. Enter Test mode — Enter **Keypad PIN code** and then press * key.
- Step 3. Panic Alarm — Press 1 key + 3 key at the same time. (If the function is enabled)
- Step 4. Fire Alarm — Press 4 key + 6 key at the same time. (If the function is enabled)
- Step 5. Medical Alarm — Press 7 key + 9 key at the same time. (If the function is enabled)
- Step 6. Check Control Panel Status — Normal Mode Press ↵ key.
 - Red LED on: the system is in **Away Mode**
 - Green LED on: the system is in **Home Mode**
 - Green LED on: activation of **Disarm Mode**.
 - Green flash: failure due to the following reasons:
 - > No response sent by the control panel within 4 seconds.
 - > PIN code was incorrect.
 - > Request for Home mode during Arm mode.
 - > Request for Force arm

● Change of Battery

- i. Put the Control Panel to programming menu for by pass the KP tamper alarm.
- ii. Dismount the Remote keypad, by first removing the slide-out sections then the mounting screws
- iii. Open the Keypad by loosening the 2 fixing screw located behind the Remote keypad
- iv. Take out the old battery and press any key to discharge before replacing the new battery in the battery compartment, with unmarked (negative) side of battery facing down
- v. Close the case using the rear fixing screws
- vi. Screw back the Remote keypad to the surface with mounting screws, and then re-insert the slide-outs
- vii. Put the Control Panel back to normal operation mode.

● Fault Conditions

When Remote Keypad is under **NORMAL OPERATION MODE**,

- a) When 4-digit PIN Code is pressed followed by the **Disarm** key, the Active Orange LED will turn ON alone with two short beeps indicating normal operation. At a fault situation, it will beep 5 times and Status Green LED will turn ON followed by Fault Orange LED lighting on for 5 seconds
- b) If the **Control Panel** is under **Arm Mode**, you **CANNOT** activate Home mode by using Remote keypad. If you do not that, the Active Orange LED lights ON along with 3 beeps indicating the Control Panel is under Arm Mode. Then, the Active Orange LED lights ON alone with 2 beeps, followed by Status Green LED and Fault Orange LED flashing 4 times indicate transmission error.
- c) Press 4-digit PIN Code and Arm key to Force Arm the system. At normal operation Active Orange LED will turn ON along with one long beep. If there is a fault, then Remote keypad will beep 3 times and Active Orange LED will turn ON. This is followed by Status Green LED and Fault Orange LED flashing 4 times while Active Orange LED remains ON.

● Appendix

If you have forgotten the Pin Code or anything wrong happened in the Remote keypad, you can reset the Remote keypad to factory default and initialize it.

Reset to Factory Default:

- Step 1. Remove the batteries and release the tamper.
- Step 2. Press & hold 3 key while inserting the battery back.
- Step 3. Continue pressing 3 until three short beeps to indicate successful reset.
- Step 4. Release 3 key, the reset process is complete.

<NOTE>

After reset, PIN code reverts to factory default values, 0000. Remote keypad will need a new learn-in process to start functioning.