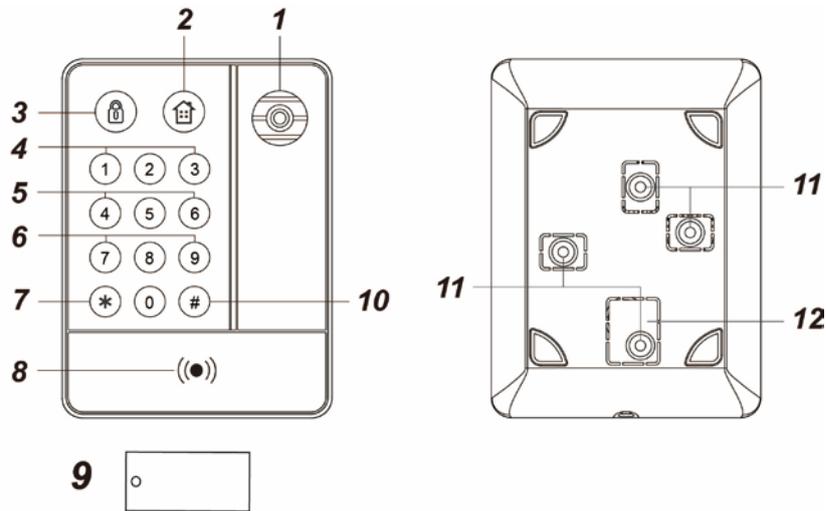


REMOTE KEYPAD with NFC Tag (KPT-32)

● Identifying the Parts



1. Siren

2. Orange LED: Home Arm Key 

3. Red LED: Away Arm Key 

4. Panic Alarm (if enabled)

- Press both 1 and 3 to trigger panic alarm

5. Fire Alarm (if enabled)

- Press both 4 and 6 to trigger fire alarm

6. Medical Alarm (if enabled)

- Press both 7 and 9 to trigger Medical alarm

7. * Key

- Enter Keypad PIN Code + * Key to enter Test Mode.

8. Keypad Sensor (for tag)

9. NFC Tag

10. # Key

11. Mounting Holes

12. Tamper Switch

<NOTE>

- ☞ A short beep will sound along with key pressing to indicate that the button pressed is valid.
- ☞ A long beep will sound along with key pressing to indicate successful command.
- ☞ 4 continuous beeps will sound indicating mistake and the user should repeat the process again.
- ☞ Backlight will be ON for any key pressed or command sent from the Keypad.

● LED Indicator

● Red LED (Away Arm Key)

- **Red LED on:** the system is in **Test Mode**.
- **Red LED:** Red flashes, and Backlight on in the **Away Arm Mode**.
- **Red LED flash** with 4 beeps: failure due to the following reasons:
 - No response from the control panel.
 - Request for **Home mode** during **Arm mode**.
 - Request for **Force arm**.

● Orange LED (Home Arm Key)

- **Orange LED:** Orange flashes and backlight on in the **Home Mode**.
- **Orange LED flashes for 5 seconds:** low battery in Normal Operation Mode, and Tamper open.
- **LED flash** with 4 beeps: failure due to the following reasons:
 - No response from the control panel.
 - Request for **Home mode** during **Arm mode**.
 - Request for **Force arm**.

<NOTE>

- ☞ When Arm/Home, Red/Orange LED will turn off after successful completion of a valid keystroke sequence, or when the pause in between Control panel User code/PIN code keystrokes exceeds 2 seconds along with 4 beeps.
- ☞ If Arm/Home button is pressed but no Control Panel User Code/PIN code is entered, in 5 seconds the keypad will enter sleep mode.

● **Built-in Siren**

- I. Exit Delay — the Remote keypad continuously beeps. If enter Arm mode or Home Mode, Remote Keypad will emit long beep.
- II. Entry Delay —The Remote keypad continuously beeps. When entering Disarm Mode, the Remote Keypad will emit 2 beeps.
- III. Alarm siren — Siren will sound continuously when an alarm is triggered. Fire Alarm will sound 2 seconds and 1 second off.

● **Power**

- Remote keypad uses two **1.5V “AA” Alkaline batteries** as its power source.
- Remote keypad can also detect the battery status. If the battery voltage is low, the Orange LED will flash for 5 seconds. The Low battery signal will be sent along with regular signal transmissions to the Control Panel for displaying the status accordingly.
- When the battery is exhausted, the Remote keypad will stop all function, all LED will flash every 4 seconds.

● **Power Saving Feature**

- When idle, Remote keypad is in **Stand-by** mode and uses no power. It will activate and **wake-up** for 5 second when any key is pressed or keypad sensor is detected.
- 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.

<NOTE>

You can also when Idle.

● **Supervisory Signal**

- The Remote Keypad will automatically transmit Supervisory Signals periodically to the Control Panel at random intervals of 15-18 minutes.

● **Test Mode**

- Remote keypad can be put into Test mode by entering the Keypad PIN code (default: **0000**) followed by “*” key along with a long beep sounding, the Red LED and backlight will turn on.
- To exit Test mode, press # key twice (long beep). Otherwise, Remote keypad will automatically exit Test mode after 5 minutes and return to Stand-by mode.

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

- 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 **5** key — to disable all Dual Key function (long beep). (**Default**)
- Press * key and then **6** key — to change the Keypad PIN Code
 1. Enter **Old** Keypad Pin Code and then press * key along with a long beep. If incorrect PIN Code is entered, they Keypad will emit 4 beeps and exit PIN Code change function. (Pressing # key will also exit PIN Code change function)
 2. Enter **New** 4-digit Keypad PIN Code and then press # key. The Keypad will emit a long beep and will exit change Keypad PIN Code function automatically.
- Press * key and then **7** key — to transmit Remote keypad learn signal with a long beep.
- Press * key and then **8** key — to enable Arm/Home without Control Panel User Code function with a long beep. (the code is checked by panel).
- Press * key and then **9** key — to enable Arm/Home with Control Panel User Code function with a long beep (the code checked by panel) (**Default**).
- Press # key **twice** — to exit Test Mode.

● Installation Procedures

- Step 1. Put the Control Panel into **Learning Mode**. Please refer to the Control Panel manual.
- Step 2. Under Keypad Normal Mode, press and hold * and # key for 2 seconds to transmit learn code to Control Panel. (Or you can Enable Remote keypad to enter Test mode first. Enter the Keypad PIN code (default: **0000**) followed by * key. The **Red LED** will turn on and sound a long beep. Press * key and then 7 key to transmit learn code to Control Panel.)
- Step 3. Refer to Control Panel manual to complete the learning process. If learning is successful, the Keypad will emit 3 beeps upon receiving acknowledgement signal from Control Panel. If the Keypad does not sound 3 beeps, please restart learning procedure from Step 1.
- Step 3. After the Remote keypad is learnt-in, put the Control Panel into **Walk Test** mode, hold the Remote keypad in the desired location, and send the learning code to the Control Panel to confirm this location is within the 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**).

● Edit Keypad Operation Area

- Follow instructions below to change Keypad Area in the Control Panel
 - 1) Use the panel Edit Device function to change Keypad area setting.
 - 2) Put the Control Panel into **Learning Mode**.
 - 3) Press and hold * and # key of keypad for 2 seconds to transmit learn code to Control Panel.
 - 4) The keypad will be displayed under learned device. Area update is complete.

● 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.

● Add Tag/Clear Tag Procedures

The Keypad is capable of transmitting NFC (Near Field Communication) tags to the Control Panel, and you can assign a PIN Code and user name to each NFC tag on the Panel webpage. The NFC tags can then be used to control alarm system mode through the Keypad. Up to 60 NFC tags and 60 PIN Codes can be managed on the Control Panel webpage.

A. Add Tag:

- Step 1. After KPT-32 is successfully learnt into the panel, apply a tag to the Keypad Tag sensor zone of KPT-32. The Keypad will emit 4 beeps to indicate user code error because the tag is not learned into the system yet.
- Step 2. Go to the PIN Code page on the Control Panel webpage, and click the Load button as below. The corresponding tag number will be loaded.

PIN Code					
User Code Setting					
No.	User Code	Tag Numbers		Area	User Name
1.	<input type="text"/>	04bc08d2ba2984	Load	1, 2	<input type="text"/>
2.	<input type="text"/>	<input type="text"/>	Load	1	<input type="text"/>
3.	<input type="text"/>	<input type="text"/>	Load	2	<input type="text"/>
4.	<input type="text"/>	<input type="text"/>	Load	1, 2	<input type="text"/>

- Step 3. Input a user pin code and user name for the tag, assign the user pin code to Area 1 or Area 2, or Both areas 1 and 2, then click Submit.

PIN Code					
User Code Setting					
No.	User Code	Tag Numbers		Area	User Name
1.	1234	04bc08d2ba2984	Load	1, 2	jeffrey
2.	<input type="text"/>	<input type="text"/>	Load	1	<input type="text"/>
3.	<input type="text"/>	<input type="text"/>	Load	2	<input type="text"/>
4.	<input type="text"/>	<input type="text"/>	Load	1, 2	<input type="text"/>

- Step 4. The tag has been added. You can use the tag to arm/home arm/disarm the system.

B. Clear Tag:

- Step 1. Go to the PIN Code page on the Control Panel webpage.
- Step 2. Manually delete the tag number and click Submit.

PIN Code					
User Code Setting					
No.	User Code	Tag Numbers	Area	User Name	
1.	1234	<input type="text"/> Load	1, 2	jeffrey	
2.	<input type="text"/>	<input type="text"/> Load	1	<input type="text"/>	
3.	<input type="text"/>	<input type="text"/> Load	2	<input type="text"/>	
4.	<input type="text"/>	<input type="text"/> Load	1, 2	<input type="text"/>	

Step 3. The tag is cleared. You can apply the tag to the Keypad Tag sensor zone to check if the Keypad will emit 4 beeps to indicate error.

● Mounting Remote Keypad

To mount the remote keypad:

- I. Remove the front cover.
- II. Using the 2 mounting holes of the back cover 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 front cover.

● How to Set System Mode

You may choose to arm/home arm with or without a Control Panel User Code. Disarm always requires a Control Panel User Code.

Arm/Home without Control Panel User Code

In the Test mode, Pressing * key and then 8 key to enable Arm/ Home without Control Panel User Code function, then exit Test mode by pressing the # key twice.

- **Enter Arm Mode:** Press  key. If panel has no fault and arming is successful, the Red LED will turn ON with a short beep. When successful Arm, Red LED flashes, Backlight turns on with a long beep.
- **Enter Home Mode:** Press  key. If panel has no fault and arming is successful, the Orange LED will turn ON with a short beep. When successful Home Arm, Orange LED flashes, Backlight turns on with a long beep.
- **Return to Disarm Mode:** Enter Control Panel User Code or put Tag on the Keypad Sensor will emit a short beep. If disarm is successful, Backlight flashes along with 2 beeps.

Arm/Home with Control Panel User Code or NFC Tag

In the Test mode, Pressing * key and then 9 key can enable Arm/ Home with User Code function, then exit Test mode by pressing the # key twice. **(Default)**

This function must be enabled for NFC tag to be used.

- **Enter Arm Mode:** Press  then enter Control Panel User Code (or apply Tag to tag sensor zone), Red LED light turns on along with a short beep. If panel has no fault and arming is successful, the Red LED will flash, Backlight turns on along with a long beep.
- **Enter Home Mode:** Press  then enter Control Panel User Code (or apply Tag to tag sensor zone), Orange LED light turns on along with a short beep. If panel has no fault and arming is successful, the Orange LED will flash and Backlight turns on along with a long beep.
- **Return to Disarm Mode:** Enter Control Panel User Code or put tag on the Keypad Sensor along with a short beep. If disarm is successful, Backlight flashes along with 2 beeps.

● Check System Mode

When keypad is in standby mode, you can press the * key to check current system mode of the panel.

- If system is in Arm Mode, the Keypad red LED will flash once, and white backlight will turn on with a long beep.
- If system is in Home Mode, the Keypad orange LED will flash once, and white backlight will turn on with a long beep.
- If system is in Disarm Mode, the Keypad white backlight will flash once with two beeps.

● Clear Alarm Memory

When keypad is in standby mode, you can press the # key to delete the alarm memory, the keypad will then emit one beep.

● Dual-key Alarm function

The Dual Key function allows you to activate alarm from Keypad by pressing 2 keys at the same time. Press and hold both key for 1 second to transmit signal, the Keypad will emit a long beep to confirm. The dual-key function is **disabled** by default. To enable it, please refer to the Test Mode section.

- **Panic Alarm: 1 key + 3 key.**
- **Fire Alarm: 4 key + 6 key.**
- **Medical Alarm: 7 key + 9.**

● **Change of Battery**

- I. Put the Control Panel to programming menu to bypass the Keypad tamper alarm.
- II. Dismount the Remote keypad.
- III. Take out the old battery and press any key to discharge before replacing the new battery in the battery compartment.
- IV. Close the case using the rear fixing screws.
- V. Screw back the Remote keypad to the surface with mounting screws.
- VI. Put the Control Panel back to normal operation mode.

<NOTE>

☞ The Keypad NFC tag sensor is powered on 10 seconds after inserting battery.

● **Fault Conditions**

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

- a) When fault event exists in Control Panel, the arming command from Keypad will be ignored by Control Panel. The Keypad Red and Orange LED will flash for 3 seconds along with 4 beeps to indicate error. You can override the fault event and force arm the Control Panel by performing the arm action again.
- b) If the **Control Panel** is under **Arm Mode**, you **CANNOT** activate Home mode with Remote keypad. The Keypad Red LED flashes + Orange LED flashes for 3 seconds along with 4 beeps to indicate transmission error.
- c) If sent Arm/Home/Disarm signal but have no response from the Control Panel, the Red LED flashes + Orange LED flashes for 3 seconds along with 4 beeps.
- d) When incorrect Keypad PIN code is entered to enter Test mode, The Keypad will emit 4 beeps. If incorrect Keypad PIN codes are entered for 4 times, the Keypad will disable key input function for 1 minute and indicate error by flashing all LEDs for 6 times and emitting 6 beeps. All key press during the next 1-minute period will be ignored.

After 1 minute, the Keypad will return to normal operation and emit a long beep to indicate

● **Appendix**

If you have forgotten the Keypad PIN Code or anything wrong happened in the Remote keypad, you can reset the Remote keypad to factory default and reinitialize 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, Keypad PIN code reverts to factory default values, **0000** and clears all user code and tag data. Remote keypad will need a new learn-in process to start functioning.

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful 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 of the following measures:

- . Reorient or relocate the receiving antenna.
- . Increase the separation between the equipment and receiver.
- . Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- . Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

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