

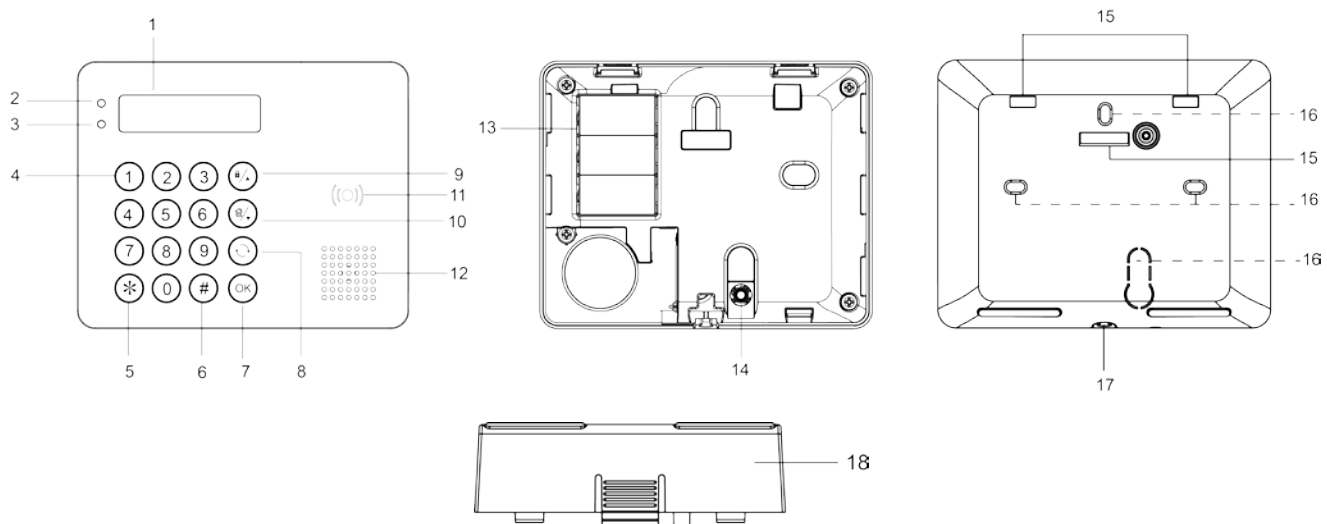
REMOTE KEYPAD with NFC Reader (KPT-35N)

● Introduction

KPT-35N is a Remote Keypad with NFC reader. It is designed to have quick access control of the System Control Panel via PIN Code or NFC label. The Keypad can send wireless signals to and receive wireless signals from the Control Panel. The LCD screen will display any information the system control panel sends back.

The Remote Keypad can either be mounted on a flat surface or wall with screws, or placed on the desktop with the enclosed bracket. It also has a tamper protection switch which will be activated upon any unauthorized attempt to open the back cover.

● Parts Identification



1. **Backlit LCD Display**
2. **Green LED**
 - The Green LED is off in **stand-by** mode.
 - The Green LED will light up when any key is pressed to wake up the Remote Keypad.
3. **Yellow LED**
 - The Yellow LED will flash once every 3 seconds when any fault situation is detected, and goes out when all fault conditions are restored. The LED behavior is decided by the Control Panel.
4. **Backlit Numeric Keys**
5. **Backlit Star (*) Key**
6. **Backlit Pound (#) Key**
7. **Backlit OK Key**
 - For confirming the keyed-in data or confirming the selection.
8. **Backlit Restore (↺) Key**
 - This key is used for deleting a digit, canceling the selection, aborting the current screen, and returning to the previous screen etc.
9. **Backlit Arm/▲ Key**
 - Use this key to move the cursor and scroll the display upwards
 - The key is also used for entering "Away Armed" mode.
10. **Backlit Arm/▼ Key**
 - Use this key to move the cursor and scroll the display downwards.
 - The key is also used for entering "Home Armed" mode.
11. **Backlit NFC Sensor Zone**
12. **Buzzer**
13. **Battery Compartment**
14. **Tamper Switch**
15. **Bracket Holes x 3**
16. **Mounting Holes x 4**
17. **Bottom Fixing Screw x 1**
18. **Bracket for Desktop Deployment**

● Features

● **Battery and Low Battery Detection**

- The Remote keypad uses two AA Alkaline batteries as its power source.
- Remote keypad can also detect the battery status. The Low battery signal will be sent along with regular signal transmissions to the Control Panel for displaying the status accordingly.

● **Power Saving Feature**

- When idle, Remote Keypad is in **stand-by** mode and consumes no power. It will wake up when any key is pressed.
- After entering User Menu, if neither of the **Arm** key/**Home Arm** key is pressed, the Remote Keypad will return to **stand-by** mode within 5 seconds. If either or both of the **Arm** key/**Home Arm** key is/are pressed, the Remote Keypad will return to stand-by mode within **20** seconds.
- After "Enter PIN Code" is displayed on the LCD screen, if no key is pressed, the Remote Keypad will return to **stand-by** mode within 5 seconds.
- After the Mode Change request is submitted, if no signal is received from the Control Panel, the Keypad will return to **stand-by** mode within 15 seconds.
- Upon completion of a command input, the Remote keypad will return to **stand-by** mode.

● **Tamper Protection**

- The Remote Keypad is protected against any unauthorized attempt to open the back cover with a tamper switch. When the back cover is opened, the tamper switch will be triggered and the Remote Keypad will transmit a tamper open signal to the system control panel.
- After replacing the back cover, the Remote Keypad will transmit a tamper restore signal to the system control panel.
- When the Remote Keypad is properly mounted with back cover screwed onto the wall, removing the Keypad forcefully will break off the back cover from the hollowed section around the screw location and activate tamper switch.

● **Supervision Signal**

- After installation, the Remote Keypad will automatically transmit Supervision Signals to the Control Panel at random intervals of 15 to 18 minutes.
- If the Control Panel has not received the signal from the Remote Keypad for a preset period of time, the Control Panel will consider the Remote Keypad out of order and react according to panel setting.

● **Joining in the System Network**

- To add the Remote Keypad into the system network, first put the Control Panel in learning mode.
- Press the OK key once. When "Enter PIN Code" is displayed on the LCD screen, press and hold the **OK** key for 10 seconds.
- "KP will reset in 2 seconds" will be displayed on the LCD screen along with a long beep.
- "Scanning Network" will be displayed on the LCD screen while the Remote Keypad is sending learning code to the Control Panel.
- When the Keypad is added into the Control Panel, "Learning Success" will be displayed on the LCD screen along with 2 beeps.

<NOTE>

- If the Control Panel promptly responds to the Remote Keypad, the "Scanning Network" process will be skipped, and "Learning Success" will be directly displayed on the LCD screen.
- If the Remote Keypad does not receive any signal from the Control Panel within 20 seconds, the LCD will be turn off, and the Remote Keypad will return to **stand-by** 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 the Keypad is successfully learnt into the panel, apply a tag to the Keypad Tag sensor zone. 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.		04bc08d2ba2984	Load	1, 2 ▾	
2.			Load	1 ▾	
3.			Load	2 ▾	
4.			Load	1, 2 ▾	

- 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.		Load	1		
3.		Load	2		
4.		Load	1, 2		

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	Load	1, 2	jeffrey	
2.		Load	1		
3.		Load	2		
4.		Load	1, 2		

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.

● System Status Check

- The Remote Keypad allows the user to check the status of the system. When the Control Panel is not under alarm activation or exit delay status, pressing the OK key will display the current status on the LCD screen for 3 seconds.
- A total of two areas (Area 1 - 2, and 1 Common Area) along with their current status will be displayed on the LCD screen. There are three different statuses: "A" stands for "Away Armed", "H" stands for "Home Armed", and "D" stands for "Disarmed". If no information is sent from the system panel, "?" will be displayed.

1	2	Com
A	H	?

● Edit Keypad Operation Area

- Follow instructions below to change Keypad Area in the Control Panel
 - Use the panel Edit Device function to change Keypad area setting.
 - Put the Control Panel into **Learning Mode**.
 - Re-learn the keypad into the Control Panel.
 - Area update is successful when re-learning is complete.

● System Mode Change

Users can use Keypad to change system mode with PIN code or NFC label. By default, the mode change function is enabled with PIN code or label.

1. Change system mode with PIN Code:

After entering the PIN code, press the **Arm/Home Arm/OK** key to enter **Away Armed/Home Armed/System Disarmed** mode.

2. Change system mode with Label:

Press the **Arm/Home Arm/OK** key, and then swipe the label. If label info is correct, "Success" will be displayed on the LCD screen, indicating that the system has entered **Away Armed/Home Armed/System Disarmed** mode.

3. Quick Arm Function:

Users can enter Setting Menu to activate the Quick Arm Function (Choose **Setting > Quick Arm > Enable**, and then press OK), which will allow users to change mode by pressing the Arm key or the Home Arm key without entering the PIN code or swiping the label. To disarm the system, users still need to enter PIN code or use the label.

4.

After entering user menu with the system disarmed, users can also select **Away Arm** or **Home Arm**, and press OK to change system mode.

● User Menu

- The Keypad will communicate with the system to retrieve information before entering User Menu. The following options will be displayed on LCD screen for selection. Use ▲ and ▼ key to select your option, and then press the **OK** key to confirm.
- The system is always automatically disarmed upon entering Keypad User Menu.
- The Keypad will exit User Menu automatically after 20 seconds of inactivity.

A	w	a	y	A	r	m							
H	o	m	e	A	r	m							
A	l	a	r	m	M	e	m	o	r	y			

F	a	u	l	t		D	i	s	p	l	a	y		
L	o	g												
S	e	t	t	i	n	g								
W	a	l	k		T	e	s	t		M	o	d	e	

- **Away Arm:** Select "Away Arm" and press the OK key to change system mode to "Away Armed".
- **Home Arm:** Select "Home Arm" and press the OK key to change system mode to "Home Armed"
- **Alarm Memory:** This option will become available after an alarm is triggered. Entering the Keypad's User Menu will be directed to the Alarm Memory option automatically. Press **OK** to confirm selection, and then use ▲ and ▼ key to view the alarm memory. In sleep mode, you can press # to delete the alarm memory. The Remote Keypad will then emit 1 beep.
- **Fault Display:** This option will become available when fault event exists in system. To view fault events, select "Fault Display" and press OK key to confirm selection. Use the ▲ and ▼ keys to view the fault events and press ↻ key to return to menu.

<NOTE>

If you try to arm the system when fault event exists, the arming will be prohibited and the LCD screen will jump to Fault Display. If you want to force arm the system, please go to your Control Panel to check and remove the fault condition(s), and then select Away Arm or Home Arm and press OK again. The system will ignore the fault event and enter your selected arm mode.

- **Log:** Select "Log" and press OK key to view system log. Use the ▲ and ▼ keys to view the events and press ↻ key to return to User Menu.
- **Setting:** Select "Setting" and press OK key enter setting menu. Use the ▲ and ▼ keys to select setting options and press ↻ key to return to User Menu.

B	e	e	p		C	o	n	t	r	o	l			
P	a	n	i	c		A	l	a	r	m				
F	i	r	e		A	l	a	r	m					
M	e	d	i	c	a	l		A	l	a	r	m		
Q	u	i	c	k		A	r	m						
L	a	n	g	u	a	g	e							

- **Walk Test Mode:** Select "Walk Test Mode" and press OK key enter walk test mode. Press ↻ key to return to User Menu when the walk test is finished.

● Mode Change Result

- **Away Armed:** When system changes to "Away Armed" mode, "Away Armed" will be displayed on the LCD screen along with a long beep indicating successful operation.
- **Home Armed:** When system changes to "Home Armed" mode, "Home Armed" will be displayed on the LCD screen along with 3 beeps indicating successful operation.
- **System Disarmed:** When system changes to "System Disarmed" mode, "System Disarmed" will be displayed on the LCD screen along with 2 beeps indicating successful operation.
- **Exit/Entry Delay:** When the Entry/Exit delay timer is enabled in the Control Panel, and the Entry/Exit Beep function is enabled on the Remote Keypad, Remote Keypad will count down with the system when Entry/Exit delay timer begins. "Counting Down" will be displayed on the LCD for 10 seconds. The green LED will also light up for 10 seconds along with 1 beep every second. After 10 seconds, the LCD and the green LED will turn off, but the warnings beeps will continue with the system count down.
- **Operation Error:** "Operation Error" will be displayed on the LCD screen along with 2 beeps indicating unsuccessful operation; for instance, when you submit the mode change request from **Arm** to **Home Arm**.
- **Fault Display:** When the system arms with fault, "Fault Display" will be displayed on the LCD screen along with 3 beeps indicating arming fault.
- **Incorrect PIN Code:** When incorrect password is submitted, "Incorrect PIN Code" will be displayed on the LCD screen along with 4 beeps indicating wrong password.

<NOTE>

- After the Mode Change request is submitted, if no signal is received from the Control Panel, the Keypad will return to **stand-by** mode within 15 seconds.

If there are 5 incorrect PIN Code attempts within 10 minutes, the Remote Keypad will be automatically locked up for 5 minutes. During this period, any operation will be invalid. When the lockup time expires, the Remote Keypad will emit 1 long beep.

● Dual Key Alarm Functions

- The dual-key function is disabled by default. To enable it, enter the setting menu of the Remote Keypad to set alarm triggers (Choose **Setting > Panic Alarm/Fire Alarm/Medical Alarm > Enable**, and then press OK).
- **Panic Alarm:** Press "1 + 3" to trigger a Panic Alarm.
- **Fire Alarm:** Press "4 + 6" to trigger a Fire Alarm.
- **Medical Alarm:** Press "7 + 9" to trigger a Medical Alarm.
- When an alarm is triggered, "Alarm! Alarm!" will be displayed on the LCD screen, and the green LED will light up for 10 seconds.

● Beep Control:

This function is for you to set the Keypad warning beep functions.

- **Entry/Exit Beep:** The function is disabled by default. To enable it, please choose **Setting > Beep Control > Entry/Exit Beep > Enable** in the user menu, and press OK to confirm setting.
- **Alarm Beep:** The function is disabled by default. To enable it, please choose **Setting > Beep Control > Alarm Beep > Enable** in the user menu, and press OK to confirm setting.

● **Fault Conditions**

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

- If the Control Panel is in Away Armed mode, you CANNOT activate Home Armed Mode by using Remote Keypad. If you do so, the Remote Keypad will emit 2 beeps indicating the Control Panel is in Away Armed mode.
- When any fault situation is detected, the Yellow LED will flash once every 3 seconds. The Yellow LED behavior is decided by the Control Panel.
- If there are 5 incorrect PIN Code attempts within 10 minutes, the Remote Keypad will be automatically locked up for 5 minutes. During this period, any operation will be invalid. When the lockup time expires, the Remote Keypad will emit 1 long beep.

● **Change of Battery**

1. Go to the Control Panel programming menu to bypass the KP tamper alarm.
2. Dismount the Remote Keypad.
3. Take out all three old batteries and press the tamper switch for more than 3 seconds to fully discharge before replacing new batteries. Do not mix new and old batteries.
4. Screw back the Remote Keypad to the surface with mounting screws.
5. Put the Control Panel back to normal operation mode.

● **Reset Remote Keypad to Factory Default**

The Remote Keypad can be reset to clear all learnt-in data and return all settings to default value by following the steps below:

1. Please follow **Change of Battery** steps for factory default.
2. Within 10 seconds after inserting batteries, enter "0000". When the last digit of "0000" turns into "*" on the LCD screen, press "#" to reset the Remote Keypad to default value.
3. "Reset Default" will be displayed on the LCD screen along with 3 beeps indicating successful operation.
4. All learnt-in data will be cleared.
5. Entry/ Exit Beeps will be disabled.
6. Alarm Beep will be disabled.
7. Dual Key alarm function will be disabled.

<NOTE>

- Factory default setting can only be performed within 10 seconds after inserting batteries. If the Keypad does not wake up within 10 seconds after inserting batteries. Remove batteries and try again.
- Whenever the Keypad is removed from the Control Panel, it should be put to factory reset as well to clear its Control Panel memory.

● **Mounting Remote Keypad**

To mount the Remote Keypad:

1. Remove the front cover by loosening the bottom fixing screw using a screwdriver.
2. Use the 4 mounting holes on the back cover as a template for appropriate hole positioning.
3. Drill 4 holes and insert the wall plugs.
4. Screw the back cover onto the wall plugs.
5. Replace the front cover onto the back cover. Screw the bottom fixing screw.
6. The installation is now complete.

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.