# REMOTE KEYPAD (KP-Abode)
Introduction

KP-Abode is a Remote Keypad designed to have quick access control of the system control panel. The Keypad can send wireless signals to and receive wireless signals from the Control Panel. The Remote Keypad can either be mounted on a flat surface or on the wall with screws. Its built-in PIR sensor is capable of detecting movement within detection coverage range. When movement is detected, the numeric keys and mode key will light up to indicate current system status.

● Parts Identification

Front View   Bottom View

Side View
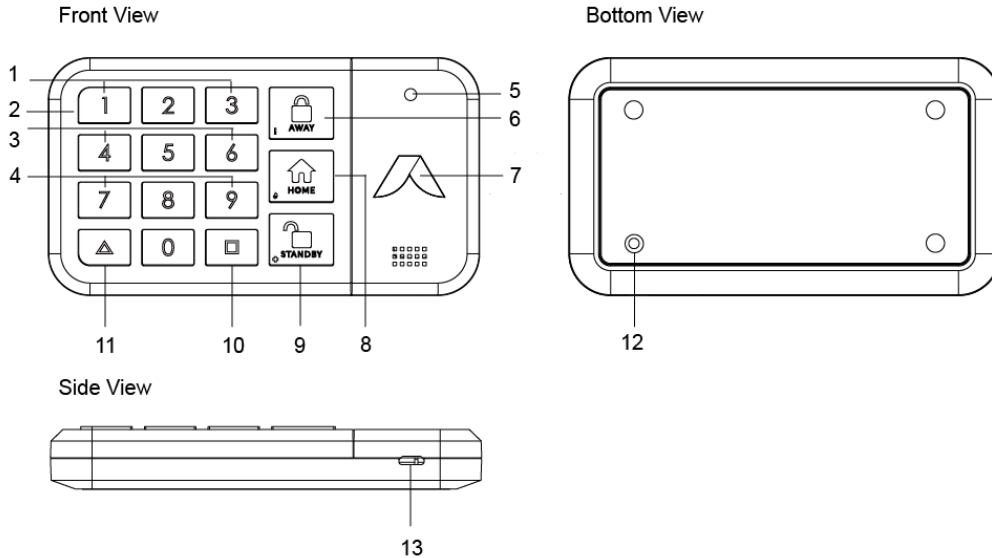
1. **Send Learning Code**
   - Press both numeric "1" and "3" keys together to send learning code. See ***Dual-key Function*** section for detail.
2. **Backlit Numeric Keys**
3. **PIR Detection**
   - Press both numeric "4" and "6" keys together to enable/disable PIR detection function. See ***Dual-key Function*** section for detail.
4. **Confirm Sound**
   - Press both numeric "7" and "9" keys together to enable/disable confirm sound. See ***Dual-key Function*** section for detail.
5. **PIR Sensor**
   - Capable of detecting movement with a 90° coverage at 3m.
6. 🔒 **Away Key**
   - This key is used for entering "Away Armed" mode.
   - Press the Away Key for 3 seconds to trigger a panic alarm.
   <u>Quick Arm:</u>
   - Press the Away Key will enter "**Away Armed**" mode.
   <u>Arm with User PIN Code:</u>
   - Enter user PIN Code and press the Away Key will enter "**Away Armed**" mode.
7. **Abode Logo LED (Blue/Orange/White/Red/Yellow)**
   <u>Blue:</u>
   - Solid: activation of Home Armed mode
   <u>Orange:</u>
   - Solid: activation of Away Armed mode
   <u>White:</u>
   - Solid: activation of Standby mode; alarm memory under Standby mode
   <u>Red:</u>
   - Flashes for 5 times: Wrong user PIN code operation
   - Flash for 2 times every 60 seconds: when low battery is detected in "Home Armed" or "Standby" mode.
   <u>Yellow:</u>
   - Flashes for 4 times: do not receive acknowledgement from the Control Panel
   <u>Green:</u>
   - Solid on: Remote Keypad is charging in "Home Armed" or "Standby" mode. When charging is complete, the LED will be turned OFF.

8. ⌂ **Home Key**
   - This key is used for entering "Home Armed" mode.
   - Press the Home Key for 3 seconds to trigger a fire alarm.
   Quick Arm:
   - Press the Home Key will enter "**Home Armed**" mode.
   Arm with User PIN Code:
   - Enter user PIN Code and press the Home Key will enter "**Home Armed**" mode.

9. ⌂ **Standby Key**
   - Press the Standby Key for 3 seconds to trigger a medical alarm.
   - Press the Standby Key to exit learning mode.
   Disarm with User PIN Code:
   - Enter user PIN Code and press the Standby Key will enter "**Disarmed**" mode.

10. ▢ Key
   - This key is currently reserved.

11. △ Key
   - This key is currently reserved.

12. **Hardware Reset Button**
   - Use a thin tool such as a SIM card ejector or a paper clip to press the button for over 1 second to reboot the Remote Keypad.

13. **Micro USB Charging Hole**
   - For connecting to a 5V/1A adapter

Features

● *LED Indicator*

Mode & Status	Visual & Audible Indication
Away mode	Away key turns on and Abode logo displays solid orange along with long beep
Home mode	Home key turns on and Abode logo displays solid blue along with 3 beeps
Standby mode	Standby key turns on and Abode logo displays solid white along with 2 beeps
Standby mode with alarm memory	Standby key turns on and Abode logo displays solid white along with 5 beeps
Alarming	Abode logo blinks red until system disarmed
No response from Control Panel	Abode logo blinks yellow for 4 times
Wrong user PIN code	Abode logo fast blinks red for 5 times along with 4 beeps
Fault happen when putting system into Away or Home mode	Abode logo blinks between yellow and white for 2 times along with 3 beeps
System fault in Standby mode	Abode logo fades to yellow and white
System fault in Home mode	Abode logo fades to yellow and blue
Battery charging in Home or Standby mode	Abode logo turns on solid green *display priority: low battery> battery charging>system fault in Home mode/system fault in Standby mode
Low battery detected in Home or Standby mode	Abode logo flashes red twice every 60 seconds. *display priority: low battery> battery charging>system fault in Home mode/system fault in Standby mode

● *Battery and Low Battery Detection*
   ● The Remote Keypad uses one Lithium 3000mAh 3.7V rechargeable battery as its power source.
   ● For first time use, it is recommended to let your Remote Keypad charge for at least 4 hours. Users can plug his/her Micro-USB cable into the Remote Keypad's Micro-USB port first. Then connect the cable to a 5V 1A USB power adapter and connect to the wall outlet to charge the rechargeable battery.
   ● The Remote Keypad can also detect the battery status. When the battery voltage is low, a low battery signal will be sent along with regular signal transmissions to the Control Panel. If battery voltage detected in "Home Armed" or "Standby" mode, the Red LED will flash twice every 60 seconds to alert the user.
   ● When receiving a low battery signal, plug the power cable to charge the Remote Keypad. When the device is fully charged, a battery restore signal will be sent along with regular signal transmissions to the Control Panel.

● *PIR Detection Function*
   When the alarm system is in Home Armed Mode or Standby Mode, the Remote Keypad will light up if movement is detected by the IR sensor. All Remote Keypad keys and current mode LED will light up, and Abode logo will display current mode color accordingly. After 5 seconds, the LEDs will turn OFF automatically.

- ## *Supervision*
  - After installation, the Remote Keypad will automatically transmit Supervision Signals to the Control Panel at an interval of 30 to 50 minutes.
- ## *Power Saving Feature*
  - When idle, Remote Keypad is in **stand-by** mode to conserve power. It will wake up when any key is pressed and the Abode logo will be turned on. Please note the Abode logo color will be displayed based on current system mode. The logo will be turned off after 5 seconds of key inactivity.
  - Upon completion of a command input, the Remote keypad will return to **stand-by** mode.
- ## *Getting Started*
  1. Put the Control Panel into learning mode. Please refer to your Control Panel's user manual for details.
  2. Press numeric "1" and "3" keys together, the Remote Keypad will emit 1 long beep and send a learning code to the Control Panel. After the Control Panel receives the signal, it will send an acknowledgment back to the Remote Keypad. The Remote Keypad will emit 3 beeps to indicate.

  <u>*<NOTE>*</u>
  - ☞ If the Remote Keypad did not sound a long beep, it means the Remote Keypad did not send the learning code to the Control Panel, please press numeric "1" and "3" keys together again to send the learning code. If the Remote Keypad does not perform 3 beeps, please restart the learning procedure.

  3. If the Remote Keypad does not receive the acknowledgement from the Control Panel within 60 seconds, the Abode logo LED will blink yellow for 4 times to indicate.
  4. After the Remote Keypad is learnt-in, hold the Remote Keypad in a desired location and check whether it is within signal range of the Control Panel. Please refer to your Control Panel's user manual for details.
  5. When you are satisfied with the chosen location, you can proceed to mount the Remote Keypad. Please refer to *Installation* section for more details.

- ## *Alarm function*

  - ➢ Panic Alarm — Press the Away Key for 3 seconds to trigger a panic alarm, the keypad will release one long beep, and the Control Panel will sound alarm with its built-in siren.

  - ➢ Fire Alarm — Press the Home Key for 3 seconds to trigger a fire alarm, the keypad will release one long beep, and the Control Panel will sound alarm with its built-in siren.

  - ➢ Medical Alarm — Press the Standby Key for 3 seconds to trigger a medical alarm, the keypad will release one long beep, and the Control Panel will sound alarm with its built-in siren.

- ## *Dual-key function*
  - ➢ Learn Code — Press both numeric "1" and "3" keys together to send a learn code to the Control Panel. The Remote Keypad will emit 1 long beep to indicate. To exit learning mode, press the Standby key, the Remote Keypad will emit 2 beeps.
  - ➢ PIR Detection — Press both numeric "4" and "6" keys together to disable PIR detection function, the Remote Keypad will emit 2 beeps. To enable this function, press the two keys together, the Remote Keypad will emit 1 long beep to indicate.
  - ➢ Confirm Sound — Press both numeric "7" and "9" keys together to disable confirm sound, the Remote Keypad will emit 2 beeps to indicate. To enable this function, press the two keys together, the Remote Keypad will emit 1 long beep to indicate.

- ## *System Mode Change and Result*
  Users can use the Remote Keypad to quick arm the system or arm the system with user PIN code. After entering user PIN code, press the Standby/Home/Away key to enter System Standby (disarmed)/ Home (home armed)/Away (away armed) mode.
  - **System Disarmed:**
    When system changes to "Standby" mode, the Remote Keypad will emit 2 beeps and the Abode logo will display solid white for 1 second. If there is alarm memory, the Remote Keypad will emit 5 beeps and the Abode logo will display solid white.
  - **Home Armed:**
    There are two ways to enter Home Armed mode. Users can enter Home Armed mode by pressing the Home key to directly arm the system, or by entering user PIN Code followed by the Home key.
    When system changes to "Home Armed" mode, the Remote Keypad will emit 3 beeps and the Abode logo will display solid blue for 1 second.
  - **Away Armed:**
    There are two ways to enter Away Armed mode. Users can enter Away Armed mode by pressing the Away key to directly arm the system, or by entering user PIN Code followed by the Away key.
    When system changes to "Away Armed" mode, the Remote Keypad will emit 1 long beep and the Abode logo will display solid orange for 1 second.
  - **Incorrect PIN Code:**
    When incorrect password is submitted, the Remote Keypad will emit 4 beeps and the Abode logo fast blinks red for 5 times. 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.

- ● *Installation*

The Remote Keypad is designed to give a typical detection range of 3 meters when mounted at 1.4 meters above ground. If movement is detected by the IR sensor, the Remote Keypad will light up (please refer to PIR Detection Function for detail).

Furthermore, the device can be magnet mounted on the wall by using the metal mounting plate and fixing screws provided. Please follow steps below to proceed.

1. Decide on the location of the Remote Keypad.
2. After the installation site is selected, ensure the location is within signal range of the Control Panel by pressing numeric "1" and "3" keys together. The Remote Keypad will emit 1 long beep first. When it receives acknowledgement from the Control Panel, it will emit 3 beeps to indicate. Moreover, users can also change system mode to check if the Remote Keypad is within signal
3. When you are satisfied with the location, you can proceed to mounting. Take out the metal mounting plate.
4. Using the 4 mounting holes on the corner as a template, mark off the positions in the most appropriate place.
5. Insert the wall plugs if fixing into plaster or brick surface.
6. Screw the metal mounting plate onto the wall plugs.
7. Align the Remote Keypad on the mounting plate for the magnet to attach. The installation is now complete.
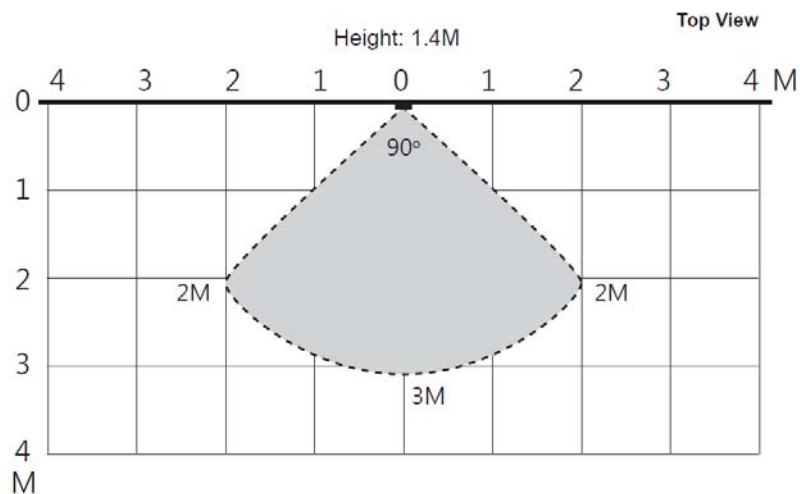
<NOTE>
- ☞ Please note that performance is affected by external factors, such as height of detected object, desired detection range, installation area, etc. The suggested mounting height could be adjusted according to actual installation environment factors.
- ☞ Do not install the Remote Keypad completely exposed to direct sunlight.
- ☞ Avoid large obstacles in the detection area.
- ☞ Not pointing directly at sources of heat e.g. fires or boilers, and not above radiators.
- ☞ Avoid moving objects in the detection area i.e. curtain, wall hanging etc.

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.