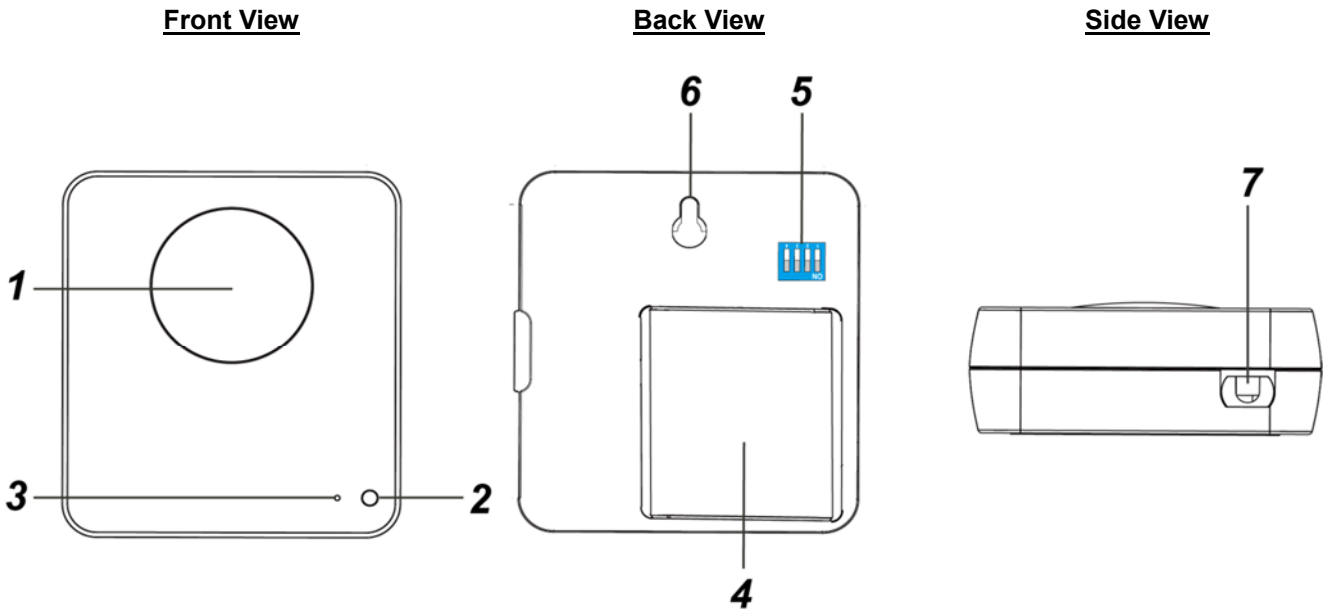# Voice Recognition Alarm (VRA)

The Voice Recognition Alarm (VRA) recognizes preset vocal commands or keywords and activates a Help alarm. In addition to voice activation, the VRA also features a large button for users to summon help during an emergency.

● **Parts Identification**

Front View	Back View	Side View

1. **Help Button (with Blue Backlight)**
   1. Press and hold for more than 2 seconds to send a learn code or activate a panic alarm
   2. Press and hold the button for 5 seconds to send a Cancel Code to the Control Panel.
   3. Blue backlight will flash when signal is transmitted to the Control Panel.

2. **LED Indicator (Green/Amber)**
   - Green LED ON: When external power supply is connected.
   - Green LED OFF: When external power supply is removed.
   - Amber LED flashes for three times: Low battery status detected when powerd on.
   - Amber LED flashes once every 5 seconds: Low battery status detected during operation.

3. **Microphone for VR (Voice Recognition)**

4. **Battery Compartment**

5. **DIP Switches**

6. **Keyhole**

7. **DC Jack (with Locking feature)**
   Plug in a DC 5V power adpator and rotate it 90 degrees clockwise to the lock position.
   To remove the adaptror, rotate it 90 degrees counterclockwise to the original open position and remove it.

● **Power Supply**

   - VRA can be powered by connecting to 5V DC power supply or two Type C batteries.
   - When VRA is connected to 5V DC power supply, green LED will turn on. When DC power supply is removed, VRA will switch to using batteries (if batteries are already installed and not exhausted) and continue operation; green LED will turn off.

- When powered by Type C batteries, VRA will transmit any detected low battery status along with regular status signal transmissions to the Control Panel for display accordingly.
- When changing batteries, please remove the back cover by unscrewing the bottom fixing screw, and then inserting a flat-head screwdriver to lift the back cover. Remove the old batteries, and then press the Help Button twice to fully discharge before inserting new batteries.

● Supervision Signal
- After learned into the Control Panel, VRA will automatically transmit Supervision Signals every 30 to 50 minutes.
- If the Control Panel has not received the supervision signal from VRA for a preset period of time, the Control Panel will indicate that the Voice Recognition Alarm is out-of-signal range or is out of order.

● Dip Switch Setting
- The Dip Switches can be used to adjust the VRA sensitivity level. Please use a sharp tool to change the DIP Switch positions.

DIP	Position	Function
Switch1	ON	Reserved
	OFF	
Switch2	ON	High Sensitivity Level
	OFF	Low Sensitivity Level (default)
Switch3	ON	Reserved
	OFF	
Switch4	ON	Reserved
	OFF	

<NOTE>

☞ After Dip Switch settings are changed, please disconnect power supply (both external power supply and batteries must be removed) and then re-connect power to VRA. VRA will work with new settings after re-powered on.

● Getting Started
- Remove the back cover by unscrewing the bottom fixing screw, and then inserting a flat-head screwdriver to lift the back cover.
- Based on your needs, set Sensitivity Switch as shown in Dip Switch Position Table.
- Power on the Voice Recognition Alarm by connecting to 5V DC power supply or two Type C batteries.
- Put the Control Panel into learning mode
- Press the button on the Voice Recognition Alarm to transmit a learn code.
- Refer to your Control Panel's operation manual to complete the learn-in process.
- Replace the back cover.

● Walk Test
- After VRA is successfully learned in, place the Control Panel in the walk test mode, then press the button on VRA to confirm that this location is within signal range of the Control Panel. Refer to Control Panel manual to complete Walk Test.

● Operation
- After VRA is learned in successfully, pressing and holding the button for more than 2 seconds will
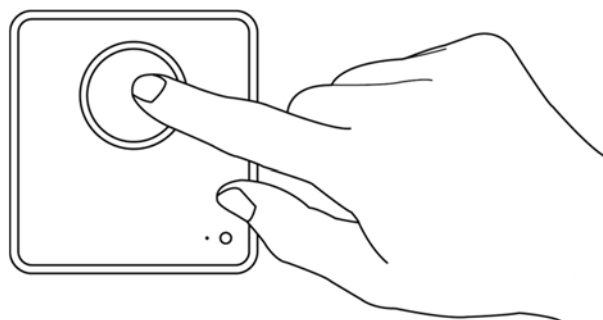
activate a Help Alarm. When the button is pressed, VRA will emit one beep.
- The user can also speak the specific vocal command to activate a Help Alarm. When trigger word "Help Me (English)" is repeated twice and recognized, VRA will emit one long beep.
- Please speak the trigger word "Help Me" twice within 5 seconds to trigger alarm.
- Pressing and holding the Button for 5 seconds or more will send a Cancel Code to the Control Panel to stop the alarm.

Ways to Seek Help

OR

Speak the trigger Keyword twice within 5 seconds.

Press and hold the Help Button for more than 2 seconds.

<NOTE>
- ☞ To ensure voice recognition accuracy, please avoid installing VRA in a large or noisy room.
- ☞ The ideal environment for voice recognition is silence or partial silence. If you call out the vocal command with normal voice, please speak within 2 meters of VRA to ensure alarm trigger.
- ☞ The voice recognition function has two sensitivity levels. You may test with them and select the level that best suits your mounting location.

Installation

After you conduct Walk Test to confirm VRA is within signal range of the Control Panel, and you are satisfied that the selected sensitivity level works in the chosen location, you can proceed with installation. There are two ways to install VRA: Wall Mounting and Surface Deployment.

- **Wall Mounting**

  Ensure that VRA is fitted at approximately chest height (around 130cm-150cm above ground) where the button can be easily accessed and operated.

  1 Identify the keyhole on the back of VRA, drill one hole on the wall and fit the provided wall plug (Figure 1). Fit the fixing screw and leave the non-threaded part for hanging VRA, as shown in Figure 2.
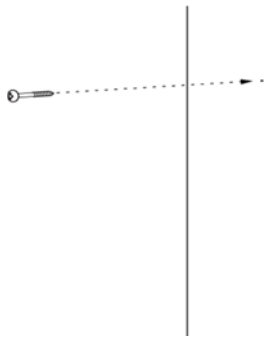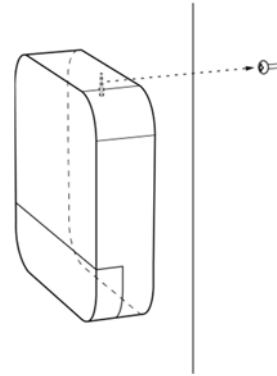
Figure 1   Figure 2

2   Fit the keyhole slot of VRA over the screw head. Gently and firmly push VRA downwards, as shown below. (Figure 5,6)
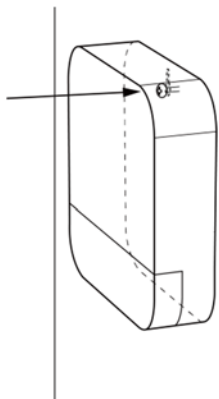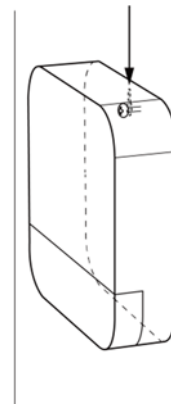
Figure 5   Figure 6

● **<u>Surface Placement</u>**

VRA comes with an Anti-Slip pad on its back. The device can also be deployed on a flat surface without being installed at a fixed location.

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.