

Sensor Pad Transmitter (SPT-1)

SPT-1 monitors activation of specific wired device (e.g. chair pad, bed or floor mattress) that is connected to it. The SPT-1 can be applied to detect movement by connecting to the monitored device through an RJ-9 port. If movement is detected by the sensor, it will transmit a signal to Control Panel to notify users of a movement event.

SPT-1 consists of a cover and base. The base contains all electronics and provides a means for fixing the device. An enclosed PCB tamper switch provides tamper protection against unauthorized device opening.

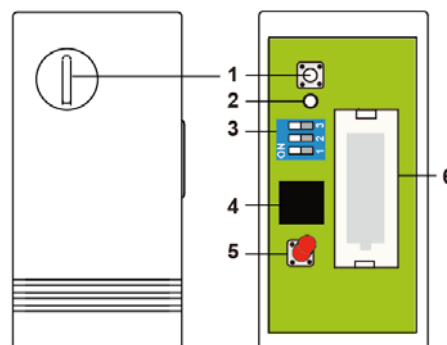
● Identifying the Parts

1. Learn Button

Press the button to transmit learning code or enter test mode for 3 minutes.

2. LED Indicator

- In Test Mode (SW1 set as On):
 - The LED will light up when the SW1 is set to On.
 - The LED will light up when any fault situation is detected.
 - The LED will light up under low battery status.
 - The LED will light up when the Tamper Switch is triggered.
- In Normal Mode (SW1 set as Off):
 - The LED will not light up when the SW1 is set to Off.
 - The LED will light up when any fault situation is detected.
 - The LED will light up under low battery status.
 - The LED will light up when the Tamper Switch is triggered.



3. Function Switch Block

Contains 3 DIP switches to enable test modem, normal mode, supervision, and function setting.

	ON	OFF (factory default)
SW1	Test Mode enabled	Normal Mode enabled
SW2	Supervision disabled	Supervision enabled
SW3	Floor Sensor enabled	Bed & Chair Sensor enabled

4. RJ-9 Phone Jack Connector

Floor Sensor enabled (SW3 set as On):

- When enabled, an Active Open signal is transmitted 0.5 second after someone steps on the monitored device.
- When enabled, an Active Restore signal is transmitted 0.5 second after someone leaves the monitored device.

Bed & Chair Sensor enabled (SW3 set as OFF):

- When enabled, an Active Open signal is transmitted 3 seconds after someone leaves the monitored device.
- When enabled, an Active Restore signal is transmitted 3 seconds after someone returns to the monitored device.

5. Tamper Switch

The tamper switch provides tamper protection against any unauthorized device opening and/or removal.

A **Tamper close** signal is transmitted when the cover is closed.

A **Tamper open** signal is transmitted when the sensor is removed from mounted location, or its cover opened.

6. Battery Compartment

The sensor is powered by one CR123 3V Lithium battery.

● Accessories Included

- a) 2 Screws
- b) 2 Wall Plugs
- c) 1 Mounting Bracket

● **LED Indicator**

- When the Sensor Pad Transmitter is in low battery condition, every time it is activated (device opened/closed), the LED will light up for 2 seconds.
- When the cover is opened or the tamper switch is released, the LED will light up for 2 seconds.

● **Battery and Low Battery Detection**

- The Sensor Pad Transmitter uses a **CR123 3V** Lithium battery as its power source. Please note: **ALWAYS** replace battery with the correct size and voltage.
- The Sensor Pad Transmitter can detect if the battery is low. When the Battery is low, a low battery signal will be sent to the Control Panel along with regular transmission.
- The LED will light up for 2 seconds when the Sensor Pad Transmitter is activated under low battery status. When the LED flashes every 4 seconds, the battery voltage is exhausted and will stop all Sensor Pad Transmitter functions.
- Please note: When changing batteries, after removing the old batteries, press the Tamper Switch twice to fully discharge before inserting new batteries.

● **Supervisory Signal**

- The Sensor Pad Transmitter will automatically transmit Supervisory Signals periodically to the Control Panel at random intervals of 30-50 minutes.
- The supervision time is reset whenever a signal is transmitted (such as **Tamper open** signal, **Tamper close** signal, etc.).

● **Getting Started**

- Detach the base and cover assembly.
- Insert the **CR123 3V** Lithium battery into the battery compartment connecting the polarity correctly.
- Put the Control Panel into learning mode. Please refer to your Control Panel user manual.
- Press the learn button to send learn code to Control Panel.
- Refer to your Control Panel operation manual's to complete the learn-in process.
- After SPT-1 is learned-in, place the Control Panel into (**Walk Test**) mode, hold the SPT-1 in the desired location, and press the Test button, the LED will flash to confirm that this location is within signal range of the Control Panel.
- Proceed with mounting and installation once you are satisfied that SPT-1 location functions properly.

● **Mounting Methods and Installation (optional)**

Step 1: Find a suitable location for mounting.

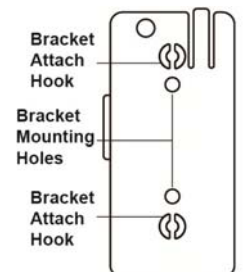
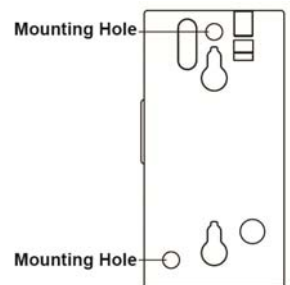
Step 2: Mounting:

- Use the mounting holes on the transmitter as a template of appropriate positioning hole.
- Use the provided wall plugs for plaster/brick installation.
- Screw the transmitter into the provided wall plugs.
- Hook the transmitter onto the Mounting Bracket and slide upward to lock the Sensor Pad Transmitter onto bracket.

Step 3: Put the Control Panel into Walk Test Mode, and press the Test Button to test signal range.

Step 4: Installation is complete.

- Please note: Spilling liquid on the Sensor Pad Transmitter can cause damage to the device.



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.