

Temperature Sensor (TS-9EL)

TS-9EL is a temperature wireless sensor device. It transmits temperature condition to the Control Panel every 30 minutes.

● **Identifying the parts**

Remove the cover by loosening the bottom fixing screw using a Philips screwdriver, the inside of the Temperature Sensor will be revealed as shown.

1. Temperature Switch

Press this switch to send status information to the Control Panel.

2. Internal LED

Flashes 3 times –when pressing the Learn/Status Button.

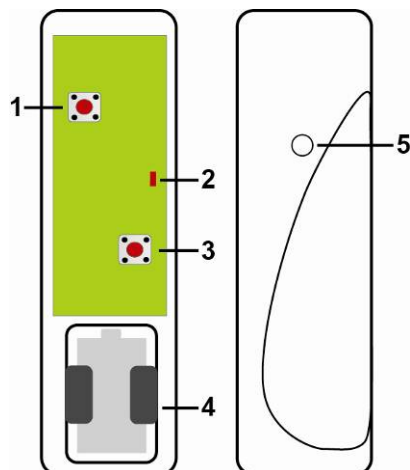
Flashes every 4 seconds – Battery exhaustion

3. Learn/Status Button

Pressing the switch will send out a learn code. The status information is also transmitted to inform the control panel the status of the Temperature Sensor.

4. Battery Compartment

5. Internal Temperature Probe



● **Battery**

The Temperature Sensor uses one **CR123 - 3V Lithium battery**. Please always replace battery with the correct size and voltage.

When the Temperature Sensor is low battery, a low battery signal will be sent to the Control Panel along with regular signal transmissions for the Control Panel to display the status accordingly.

When the battery is depleted, the LED flashes every 4 seconds and the Temperature Sensor will stop all functions.

● **Battery Change**

- I. Remove the Cover by loosening the bottom fixing screw using a Philips screwdriver.
- II. Remove the Old Battery.
- III. Press the Temperature Switch or the Learn/Status Button a few times.
- IV. Fit a new battery into the battery compartment. Please orient the battery according to the correct polarity.
- V. Replace the Cover and lightly tighten the bottom fixing screw using a Philips screwdriver.

● **Getting Started**

Step 1 Remove the base and cover assembly by loosening the bottom fixing screw using a Philips screwdriver.

Step 2 Insert the battery into the battery holder taking care to connect the polarity correctly.

Step 3 Put the Control Panel into learning mode. Please refer to your Control Panel user manual.

Step 4 Press Learn/Status Button to send learn code to Control Panel.

Step 5 Refer to the user manual of the Control Panel to complete the learn-in process.

Step 6 To check for range, put the Control Panel into range test mode (or **Walk Test** mode). Please refer to the control panel user manual. Conduct the range test of the Control Panel by pressing the Learn/Status Button of the Temperature Sensor.

Step 7 When you are satisfied with the Temperature Sensor signal range at the chosen location, proceed to mounting.

● **Mounting Methods**

There are two ways to mount the Temperature Sensor, by either Self-adhesive installation or Screw mounting.

● **Self adhesive mounting**

- I. Clean the surface with a suitable degreaser.
- II. Remove the protective covering from one side of the double-sided adhesive pad and firmly apply to the back of the device.
- III. Next remove the other cover and firmly press the item onto the desired location.

<NOTE>

☞ Do not use the adhesive pad method of installation on a surface with peeling or cracked paint, or on a rough surface.

● **Screw mounting**

The Base has two knockouts, where the plastic is thinner, for mounting purpose.

To mount the Temperature Sensor

- I. Remove the Cover by loosening the bottom fixing screw using a Philips screwdriver.
- II. Break through the knockouts on the base
- III. Using the holes as a template, drill holes in the surface
- IV. Insert the wall plugs if fixing into plaster or brick
- V. Screw the base into the wall plugs
- VI. Replace the Cover and lightly tighten the bottom fixing screw using a Philips screwdriver.

● **Operation**

- The temperature detection range is -10°C-50°C.
- The Temperature Sensor will transmit a temperature signal periodically at intervals of ~30 minutes along with supervision signal.

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.

FCC Caution:

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance may void the user's authority to operate this equipment.

(Example - use only shielded interface cables when connecting to computer or peripheral devices).