

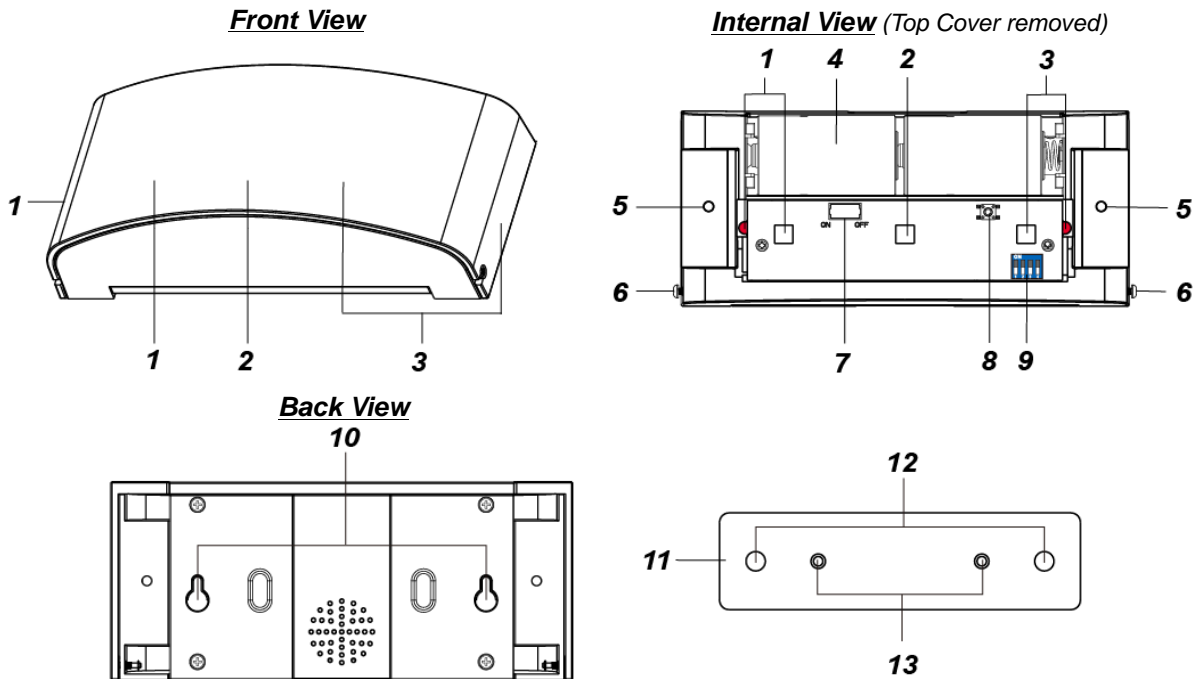
# Emergency Strobe Light (ESL-1)

## Introduction

ESL-1 is a battery-operated emergency strobe light that provides visual alert by flashing its LEDs when the paired device(s) is/are triggered **or when the Control Panel activates an alarm.**

Up to 10 devices can be paired with the Emergency Strobe Light. Pairable devices include pull cords, panic buttons, geo pendants, wrist transmitters, fall sensors, and mmWave fall sensors.

## Parts Identification



- |   |                     |
|---|---------------------|
| 1 LED 1   | 7 Power Switch      |
| 2 LED 2   | 8 Learn Button      |
| 3 LED 3   | 9 Dip Switch Block  |
| 4 Battery Compartment                                   | 10 Hook Holes       |
| ESL-1 is powered by two 1.5V D-Cell alkaline batteries. | 11 Mounting Bracket |
| 5 Mounting Holes  | 12 Hooks            |
| 6 Bottom Fixing Screws                                  | 13 Mounting Holes   |

## Features

### ● **Battery and Low Battery Detection**






- The Emergency Strobe Light is powered by two 1.5V D-Cell Alkaline batteries. It features low battery detection and will transmit low battery signals along with regular signal transmissions to the locator when low battery voltage is detected.
- When changing the batteries, after removing the old batteries, press the learn button a couple times to fully drain the residual energy before inserting new batteries.

### ● **Supervision**

- ESL-1 will transmit a supervision signal to the locator or the Control Panel every 30-50 minutes in normal operation mode.
- **When the Panel fails to receive the supervision signal within the preprogrammed period, it will indicate a fault.**

● **RF Range Switch Block for Pendants**

- The switch block is used to determine ESL-1's RF receiving distance from the paired wearable devices including wrist transmitters, fall sensors and geo pendants. The setting of the switch block does not apply to fixed devices (i.e., panic buttons, pull cords and mmWave fall sensors).
  - The RF receiving distance can be adjusted in 4 levels as listed in the table below.
- <NOTE> THE RF RECEIVING DISTANCE IS SUBJECT TO THE SURROUNDING ENVIRONMENT. PLEASE CONDUCT A RANGE TEST/WALK TEST TO ACCURATELY DETERMINE THE EFFECTIVE RANGE.
- Pushing the slider upwards will turn on the switch, and pull the slider downwards will turn off the switch.

SW1	SW2	SW3	SW4	SW Block	RF Receiving Distance
OFF	OFF	OFF	OFF		> 500 meters
ON	OFF	OFF	OFF		
OFF	ON	OFF	OFF		Max. 500 meters
OFF	OFF	ON	OFF		Max. 250 meters
OFF	OFF	OFF	ON		Max. 50 meters

<NOTE>

- ☞ Set **only one switch to ON at a time**. If two or more switches are set to ON, the receiving distance will be determined by the leftmost switch among them.
- For instance, if switches 2 and 4 are set to ON, the setting of switch 2 shall prevail.

● **Flashing Length**

- When **the Control Panel** or the paired devices (i.e., panic buttons/pull cords/fall sensors) is/are activated, ESL-1 will start flashing per second for a maximum of **15** minutes.
- ESL-1 will stop flashing when receiving a cancel signal from **the Panel** or paired devices. Please refer to the user manual **of the Panel** or each paired device for details of sending cancel signals.

● **Device Pairing**

- ESL-1 will light up its LEDs when the paired devices are triggered. A maximum of 10 devices can be paired.
- Pairable devices include pull cords, panic buttons, geo pendants, wrist transmitters, fall sensors, and mmWave fall sensors.

**Preparation:**

- Step 1** Loosen the bottom fixing screws on the short sides with a Phillips screwdriver and remove the top cover by sliding it upwards.
- Step 2** Insert the batteries according to the polarity and slide the power switch to ON to power ESL-1 on. All LEDs will flash once together.

To pair devices with ESL-1:

- Step 1** Press Learn Button for 3 seconds to enter learn mode for 1 minute. LED 2 will turn steady on in learn mode.
- Step 2** Press and hold Learn/Test Button on the sensor to be paired until all LEDs of ESL-1 flashes twice together, indicating successful pairing.

<NOTE>

- ☞ If it is attempted to pair an 11<sup>th</sup> device, LEDs 1-3 will sequentially flash twice to indicate no availability.
- ☞ ESL-1 will leave learn mode automatically after 1 minute.
- ☞ Alternatively, users can press Learn Button once in learn mode to manually leave learn mode.

● **Learning**

ESL-1 can be learned into the Control Panel and will illuminate when the Help Button on the Panel is pressed to activate an alarm.

- Step 1** Put the Control Panel into Learning mode (please refer to the Panel's manual for details).
- Step 2** Press ESL-1's Learn Button for 3 seconds to enter learn mode; ESL-1 will light up its LED 2 and send a learn code to the Panel automatically. If successfully receiving the learn code, the Panel will send an ACK signal to ESL-1. All LEDs of ESL-1 will flashes twice together when the ACK signal is received.
- Step 3** ESL-1 is now successfully learned into the Panel. Users can leave learn mode either automatically after 1-minute learn mode expires, or manually by pressing Learn Button once.

# Installation

## ● **Installation Guideline**

- ESL-1 is designed to be mounted on a flat surface with the fixing screws and wall plugs provided.
- ESL-1 should be mounted on the wall using the mounting bracket.

## ● **Installation**

A mounting bracket is provided for mounting the Emergency Strobe Light.

**Step 1** Use the two mounting holes on the mounting bracket to mount and screw the mounting bracket onto the wall (FIG. 1).

**Step 2** Hook ESL-1 onto the mounting bracket and push it downwards to firmly fix it in place (FIG. 2).

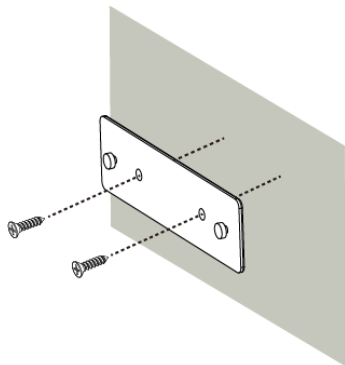


FIG. 1

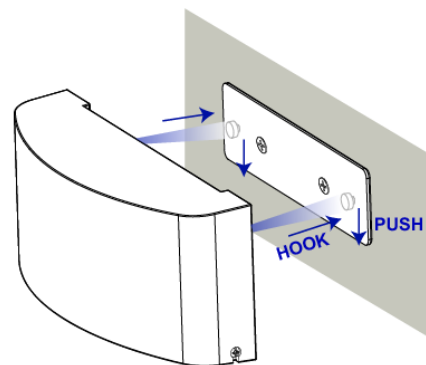
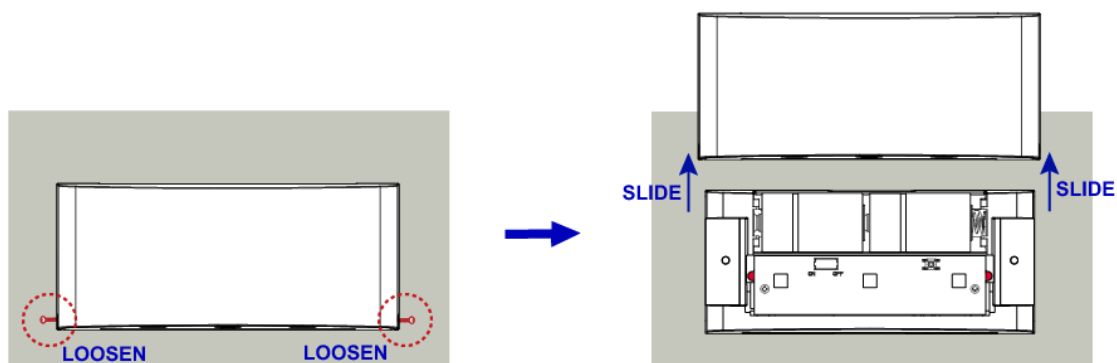


FIG. 2

## ● **Battery / Top Cover Replacement**

**Step 1** Loosen the bottom fixing screws that secure the top cover to the device.

**Step 2** Slide the top cover upwards (to reveal the battery compartment). This will allow access for battery as well as top cover replacement.



# Factory Reset

The Emergency Strobe Light can be reset to clear all the **paired** devices.

**Step 1** Loosen the bottom fixing screws and remove the top cover.

**Step 2** Slide the power switch to OFF to turn off the device and press Learn Button a couple times to fully drain the residual energy.

**Step 3** Press and hold Learn Button and then slide the battery switch to ON to power on the device.

**Step 4** Continue to hold Learn Button for about 7 seconds until all LEDs flash three times together. The previous **paired** devices are now cleared.

## **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.