ENGLISH - **Introduction:**

The EL-4745 is a 2-Way wireless PIR detector designed for use with Electronics Line iConnect 2-Way system.

## Location of Detector

Consider the following before mounting the detector:

- Select a location from which the pattern of the detector is most likely to be crossed by a burglar, should there be a break in.
- Do not place bulky objects in front of the detector.
- Avoid a location that comes in direct contact with radiators, heating/cooling ducts or air conditioners.
- Do not place the detector in front of windows subject to direct sunlight or drafts.

## Registration

The EL-4745 must identify itself to the iConnect 2-Way receiver as follows

1. Set the system to registration mode.
   a. Go to the main menu and select [9]>[1]>[1] (Programming > Devices > Zones)
   b. Select a zone and press '√'
2. Detach the mounting bracket from the detector.
3. Open the battery compartment door (See Fig. 2-2).
4. Remove the isolator that separates the battery from the contacts on the battery holder. The detector will send a transmission. If the transmission is successfully received by the system it will play a confirmation sound. If no confirmation sound is heard send another transmission by pressing and releasing the tamper switch of the device.
5. After the detector is successfully registered the display shows: Save? Press √ to confirm and continue entering other parameters for the chosen device (See section below). It is possible to press X to go back and enroll additional zones.

   Notes:
   1. An additional battery can be placed inside the detector. To insert the additional battery open the front cover (Fig. 2-1) and place the battery. Pay attention to the polarity.
   2. To delete a PIR detector from the system refer to the quick installer manual.

## Installation Instructions

Note: Before permanently mounting the detector, test the transmitter from the exact mounting position. If necessary, improve the position of the transmitter. The recommended height is 2.2m (6.6 ft), See Figure 3.

1. Knock out the mounting holes of the mounting bracket and attach it to the wall.
2. To use the rear tamper switch, insert a screw into the rear tamper mounting hole located in the center of the bracket (See Figure 2, position 3). When the bracket is removed from the wall, the screw causes the tamper release to break away from the bracket and the rear tamper switch is released

3. Align the pins on the mounting bracket with the slots on the detector's base (See Figure 2, position 4 & 5), attach the EL-4745 to the bracket and slide it down while gently pressing it to fit to its place.
4. Attach the screw provided in the detector kit to the bottom of the mounting bracket (See Figure2, position 6 ).

## Operation Modes:

Warm-up Time: The detector will need to warm up for the first 90 seconds after applying power.

Walk Test Mode: A walk test is performed in order to determine the lens coverage pattern of the detector (See Figure 3). Walk Test mode cancels the delay time between detections, enabling you to perform an efficient walk test.

To walk test the detector:

1. Set the iConnect 2-Way to Walk test mode (Quick key 7>03>4).
2. Walk across the scope of the detector according to the detection pattern selected.
3. Confirm that the LED activates and deactivates accordingly. Wait for ten seconds after each detection before continuing the test.
4. After completing the walk test set the system to normal operation mode.

## LED Indication:

The LED indicator is lit every time a transmission is made. The LED can be enabled / disabled by programming.

## Parameters Setting by the iConnect

As a 2-Way detector, the EL-4745 parameters can be modified only from the iConnect 2-Way system. For more information refer to the system installer guide.

In comparison to other detectors the EL 4745 has dedicated parameters that can be modified under quick key 9>1>1>11
   LED Enable: On/Off (Default: On)
   Pulse count: The pulse counter determines the amount of beams that need to be crossed before the sensor will produce an alarm.
   Alarm Delay: The delay between reporting detections to the main unit.

## Battery Replacement:

In case of a low battery (2.5VDC or less), the sensor low battery condition is reported to the system and low battery message is displayed.

To replace the battery:

Open the battery compartment door on the back cover (see Figure 2, position 2), replace the battery, and close the compartment door. Attach the EL-4745 to the bracket and slide it down while gently pressing it to fit to its place.

## Technical Specifications

Antenna: Built-in; Internal
Frequency: 868.35MHz*, 433.92MHz
Power: 3.6V ½ AA Lithium Battery (Optional x 2)

Caution: Fire, explosion and severe burn hazard! Do not recharge, disassemble or heat above 100°C (212F).

Current Consumption: 30mA (transmission)
                           35μA (standby)
Pyroelectric Sensor: Dual Element
Maximum Coverage: 14 x 14m
Pulse Count: 1 or 2
LED Indicator: Selectable
Digital Adaptive Temperature Compensation
RFI Immunity: According to EN 50130-4
Operating Temperature: -10 to 55°C
Fire Protection: ABS Plastic Housing
Dimensions : 110 x 62 x 50mm
Screw recommended: ST 2.9x22 DIN 7981 (ISO 7049)

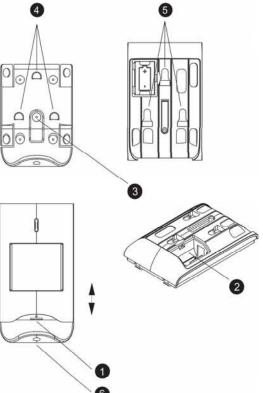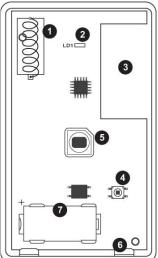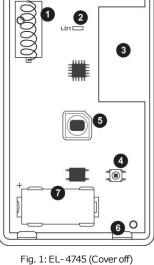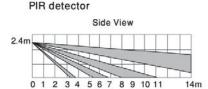*Complies with EN-50131 2-2 Grade 2
Class II, Power Supply Type C



1.Antenna
2.LED
3. Optional Battery compartment
4.Tamper switch
5.Pyro sensor
6.PCB Release tab
7. Battery compartment

Fig. 1: EL- 4745 (Cover off)
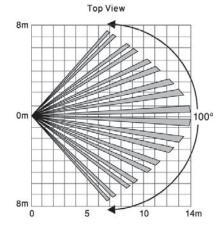


Figure 2: Assembling the EL-4745



PIR detector

Figure 3: Lens Coverage