The EL-4755 is a 2-Way wireless PIR detector camera designed for use with Electronics Line iConnect 2-Way system.

Note: Each iConnect 2-Way up-to-32-zone system can support up to eight PIR detector cameras

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-4755 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. Unscrew the casing back
3. Insert the supplied batteries into their battery holders (See Fig. 2-4). The detector will send a transmission, which if successfully received by the system will generate a confirmation sound. If no confirmation sound is heard, send another transmission by pressing and releasing the tamper switch of the device.
4. 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.

Note: To delete a PIR detector from the system refer to the Quick Installer manual.

Parameters Setting by the iConnect

As a 2-Way detector, the EL-4755 parameters can be modified only from the iConnect 2-Way system. For more information refer to the system installer guide .
Go to the main menu and select [9]>[1]>[1]>[11] (Programming > Devices > Zones > Sensor Par.) (default in **bold**):

1. LED: **ENABLED**/DISABLED
2. PULSE (The pulse counter determines the amount of beams that need to be crossed before the sensor will produce an alarm, with 1 being more sensitive.):**1**, 2
3. ALARM DELAY (The delay between reporting detections to the main unit.): 1–20 minutes (**3**)
4. CAMERA RESOLUTION: VGA (640X480) / **QVGA** (320X240) / QQVGA (160X120)
5. COLOR: COLOR / Black and White
6. COMPRESSION: HIGH / **LOW** (more/less distortion)
7. FLASH: **ENABLED** / DISABLED
8. # OF PICTURES: 1–9; 1–5 VGA (**3**)
9. For Future Use
10. PICTURE DELAY: 0–480 MS (**480**)
11. USER MONITOR: **ENABLE** / DISABLE
12. ZONE ASSIGNMENT (Movement detection in any of the up-to-four specified zones triggers the camera to take a picture) 00-00-00-00

Transmitted pictures are visible through the web interface:

1. *Access the supplied IP through iPhone or web browser*
2. *Input access credentials*
3. *Click "Video" to view captured still pictures and configure settings.*

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 Figures 3&4.

1. [If the unit is screwed together] Unscrew the casing back.
2. Knock out the mounting holes of the mounting bracket and attach it to the wall, as appropriate. (See Fig. 1-3)
3. To use the rear tamper switch, insert a screw into the rear tamper mounting hole located in the lower center of the bracket (See Figure 2-1). 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
4. Attach the screw provided in the detector kit to the bottom of the mounting bracket (See Figs. 1 and 2, position 2).

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.

To test the detector camera:

1. Set the iConnect 2-Way to camera test mode (Quick key 7>03>5). Confirm with '✓'.
2. [If more than one PIR camera zone is defined] Select a defined zone and press '✓'.
3. In the displayed: ⊠ SNAPSHOTS, choose the number (1-9) of snapshots to be taken and press '✓' to transmit the snapshots.

LED Indication:

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

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:

1. Unscrew the casing back.
2. Remove the spent batteries and replace them. Re-attach the casing front and remount unit. (See Fig. 1-1)**.**

Technical Specifications

Antenna: Built-in; Internal
Frequency: 868.35MHz*, 433.92MHz
Power: 3.6VDC AA Lithium Battery (x 2)
Caution: Fire, explosion and severe burn hazard! Do not recharge, disassemble or heat above 100°C (212F).
Current Consumption: 200mA (Capture with Flash)
           42µA (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: 0 to 60°C
Fire Protection: ABS Plastic Housing
Dimensions: 110 x 62 x 50mm
Screw recommended: ST 2.9x22
DIN 7981 (ISO 7049)
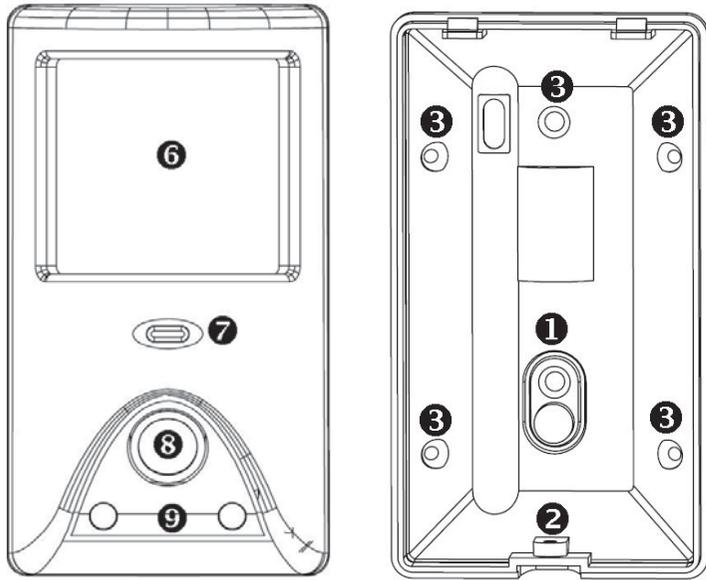*** Complies with EN-50131 2 2 Grade 2 Class II, Power Supply Type C**
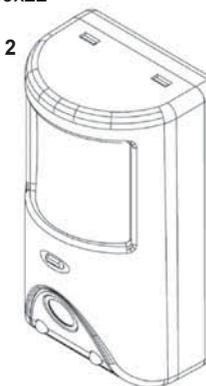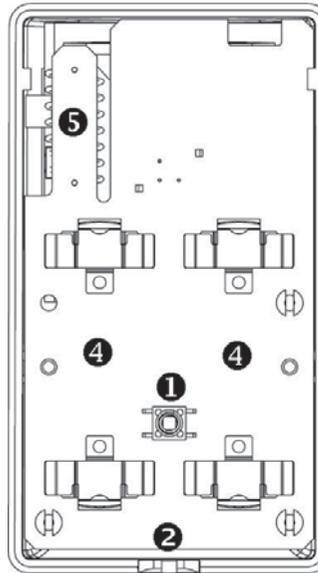
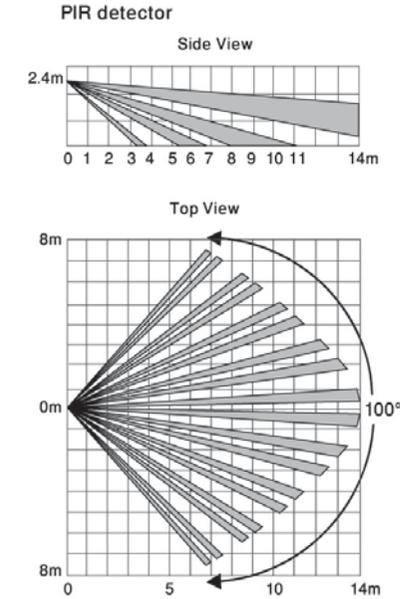**Figure 1: Outer Casing, Frontal Views**

Figure 2: EL4755 PCB Board

PIR detector

Figure 3: Lens Coverage

Legend:
1. Tamper switch and mounting tab
2. Fastening screw hole
3. Mounting holes
4. Battery holders
5. Antenna
6. PIR Detector
7. Indicator LED
8. Camera Lens
9. IR LEDs

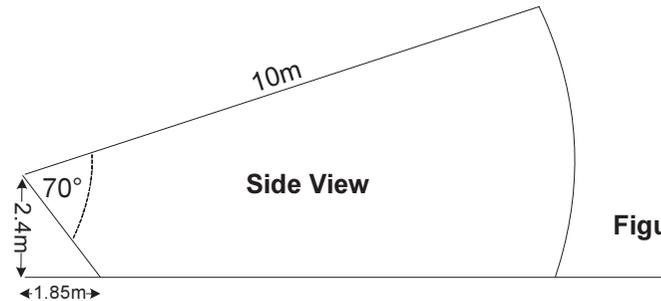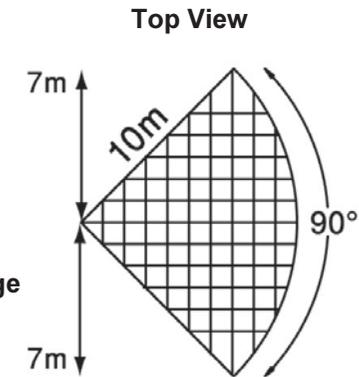**Figure 4: Camera Lens Coverage**

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CE

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