

Wireless 2-Way PIR / PET Camera Detector



Models: EL4855/EL4855P



Installation Instructions

Description

The EL4855/EL4855PI is a battery powered 2-Way wireless PIR/PET detector that includes an integrated camera for visual verification and is compatible with all Electronics Line 2-Way security systems.

Features include:

- 14m coverage (wide angle) with 90° field-of-view
- Installation height 2.4m
- VGA or QVGA camera resolution
- Discreet IR flash allows imaging in complete darkness, up to 10m (33')
- Sequence of images upon event, configurable number and fps
- During disarm, events are ignored to save battery and for privacy
- On-demand images initiated from authorized Smartphone or web browser
- Two RF channels with separate antennas: One for control, second channel for image transmission
- Images stored on detector until transmission to panel complete
- 2 long-life lithium batteries for extended battery life
- Frequency: 868Mhz or 433Mhz
- PET Immunity option (45Kg animals)

Installation

Step1: Selecting a Mounting Location

Select the mounting location for best coverage of the area that is to be protected (see *Preliminary Considerations and Coverage Patterns*).

Step 2: Registering the Detector in the System

The detector must identify itself to the system's receiver (control panel) during the registration process.

1. Set the system to registration mode.
2. Go to the main menu and select [9] Programming > [1] Devices > [1] Zones.
3. Select a zone and press '✓'. The system enters into Learn mode.
4. Unlock and remove the mounting bracket from the detector (see *Figure 1 and Figure 3*).

Insert the supplied batteries into the battery holders paying attention to the correct polarity or remove the plastic protector strip if the batteries are already in place (see *Figure 3*). The detector sends a transmission to the system.

If the transmission is successfully received by the system it plays a confirmation sound.

If no confirmation sound is heard, send another transmission by pressing and releasing the tamper switch of the device (see *Figure 3*).

Once the detector is successfully registered the system display shows: Save?

5. Press ✓ to confirm and continue entering other parameters for the chosen device (see *Parameter Configuration*).

Step 4: Mounting the Detector

The detector must be tested on the exact mounting position before permanently mounting.

1. Open the knockout holes of the mounting bracket, and use them as a template for mounting (see *Figure 2*).

For Pet friendly model: In order to optimize pet immunity, always mount the detector vertically at a right angle to the floor. Make sure that an animal cannot get above the height of 1.5m (5') by climbing on furniture, shelving or stairs.

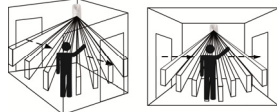
2. Once the bracket is installed, slide and lock the detector onto the mounting bracket.
3. Perform a Walk Test (see *Performing a Walk Test*).
4. Insert and fasten screw into the hole located at the bottom of the detector to lock the detector to the mounting bracket (see *Figure 4*).

Step 5: Performing a Walk Test

NOTE: The detector needs approximately 90 seconds to warm up after applying power.

Go to the systems main menu and select [7] Service > [6] Walk Test and press '✓'.

During Walk Test mode, walk through the entire field of view of the detector and confirm that the LED activates and deactivates accordingly (see *LED Indication*).



Verify that the system receiver also receives the signals.

NOTE: Wait for ten seconds, after each detection, before continuing the test.

After completing the walk test, reset the system to Normal mode.

LED Indication

The LED indicator is lit every time a transmission is made. To enable/disable LED indication, refer to Parameter Configuration section.

Parameter Configuration

2-Way parameters can be modified from the system.

Go to the main menu and select [9] Programming > [1] Devices > [1] Zones > [11]. Sensor Par.

LED:	Enable* / Disable
PIR Sensitivity:	Low* / High
Alarm Delay:	1-20 minutes (3 mins.*)
Camera Resolution:	QVGA (320X240)*, VGA (640X480)
Color:	Color* / B&W
Compression:	Low* / High
Flash:	Enable / Disable*
# of Pictures:	1-9 (3*)
# of Different Pictures:	1-9 (0*)
Picture Delay:	0-450 ms (480 ms*)
User Monitor:	Enable* / Disable
Zone Assignment:	Any of up-to four zones can trigger a picture capture (00-00-00-00*).
Medical Trigger:	Enable / Disable*
Panic Trigger:	Enable / Disable*
Fire Trigger:	Enable / Disable*

* = default

For additional information refer to the *System Installer Manual*.

Camera Test and Snapshot Events

A camera test image can be taken using web/smartphone apps on systems supporting these applications.

Snapshot events detected by the PIR camera are recorded into the camera's memory. The event record consists of the date and time stamp, a detailed description of the event including its source and an image record.

Diagnostics

You can perform diagnostic tests on your detector using the system receiver. Diagnostics includes testing the detector battery status and communication between the detector and the system.

For additional information refer to the *System Installer Manual*.

Battery Replacement

1. Unlock and slide the detector from the mounting bracket.
2. Replace the batteries paying attention to the correct polarity.
3. Slide and lock the detector to the mounting bracket.

CAUTION – Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to local regulations.

Specifications

Electrical	
Battery Type:	2 x CR 123, 3V Lithium
Battery Life:	2 batteries – 3 year typical lifetime
Current Consumption:	58 µA standby; 200 mA max. peak at capture with flash
Supervision Transmission:	10 minutes
RF transmitting frequencies:	868MHz, 433MHz - models EL5855 and EL5855PI
Optical	
Filtering:	White Light Protection
Pet friendly:	Up to a 45 kg animal immunity (pet model)
Physical	
Size (L x W x D):	120 x 65 x 35 mm (4.7 x 2.6 x 1.8 in)
Weight:	100 grams (3.52 oz.)
Environmental	
RF Immunity:	According to EN50130-4
Operating Temperature:	-10°C a 55°C (14°F a 140°F)
Storage Temperature:	-20°C a 60°C (-4°F a 140°F)
Camera	
Type:	CMOS digital image sensor
Lux:	0 Lux (total darkness)
View Angle:	H 90° V 73°

Preliminary Considerations



Do not install outside



Do not install near windows



Do not install near vents (air, heat, or AC)



Do not install near ceiling fans



Do not install in extreme temperatures



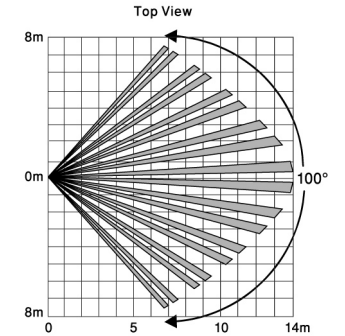
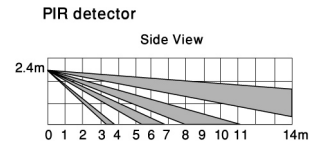
Do not install in direct sunlight



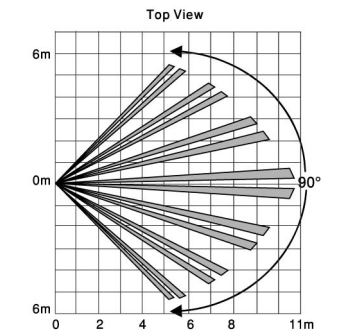
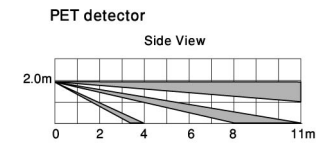
Ok for sites with small pets

PIR Coverage Patterns

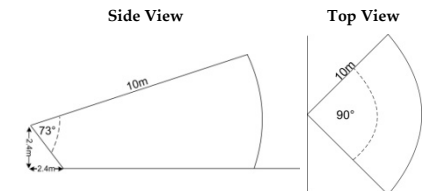
PIR Model



PET Model



Camera Coverage



Quick Install



Figure 1

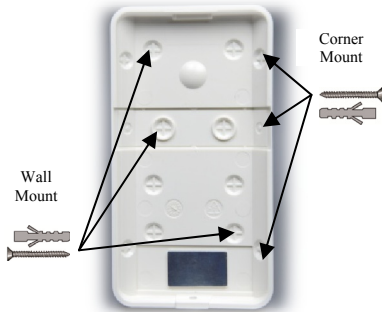


Figure 2

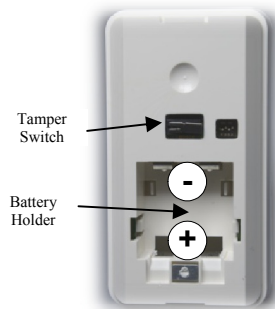


Figure 3



Figure 4

Ordering Information

E8USX45PIR0A	EL5845 1&2Way PIR,
E4USX45PIR0A	868MHz / 433MHz
E8USX45PET0A	EL5845PI 1&2Way PET,
E4USX45PET0	868MHz / 433MHz

RTTE Compliance Statement:

Hereby, Electronics Line 3000 Ltd. declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. The declaration of conformity may be consulted at www.electronics-line.com

Electronics Line 3000 Ltd. Limited Warranty

EL and its subsidiaries and affiliates ("Seller") warrants its products to be free from defects in materials and workmanship under normal use for 24 months from the date of production. Because Seller does not install or connect the product and because the product may be used in conjunction with products not manufactured by the Seller, Seller cannot guarantee the performance of the security system which uses this product. Sellers' obligation and liability under this warranty is expressly limited to repairing and replacing, at Sellers option, within a reasonable time after the date of delivery, any product not meeting the specifications. Seller makes no other warranty, expressed or implied, and makes no warranty of merchantability or of fitness for any particular purpose. In no case shall seller be liable for any consequential or incidental damages for breach of this or any other warranty, expressed or implied, or upon any other basis of liability whatsoever. Sellers obligation under this warranty shall not include any transportation charges or costs of installation or any liability for direct, indirect, or not be compromised or circumvented; that the product will prevent any person; injury or property loss by intruder, robbery, fire or otherwise; or that the product will in all cases provide adequate warning or protection. Buyer understands that a properly installed and maintained alarm may only reduce the risk of intruder, robbery or fire without warning, but is not insurance or a guarantee that such will not occur or that there will be no personal injury or property loss as a result. Consequently seller shall have no liability for any personal injury, property damage or loss based on a claim that the product fails to give warning. However, if seller is held liable, whether directly or indirectly, for any loss or damage arising from under this limited warranty or otherwise, regardless of cause or origin, sellers maximum liability shall not exceed the purchase price of the product, which shall be complete and exclusive remedy against seller. No employee or representative of Seller is authorized to change this warranty in any way or grant any other warranty.

CAUTION: This product should be tested at least once a week.

WARNING: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to local regulations.

Contacting Electronics Line

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