infinity motion

Wireless Motion Sensor for ESL & ESX
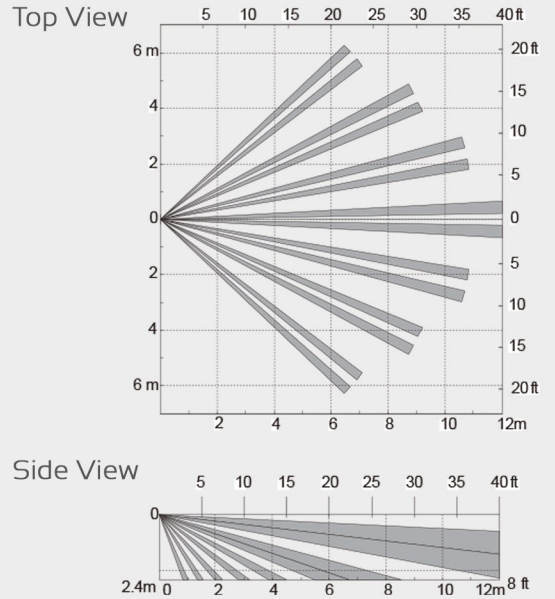
∞ infinity series
powered by EliteControl
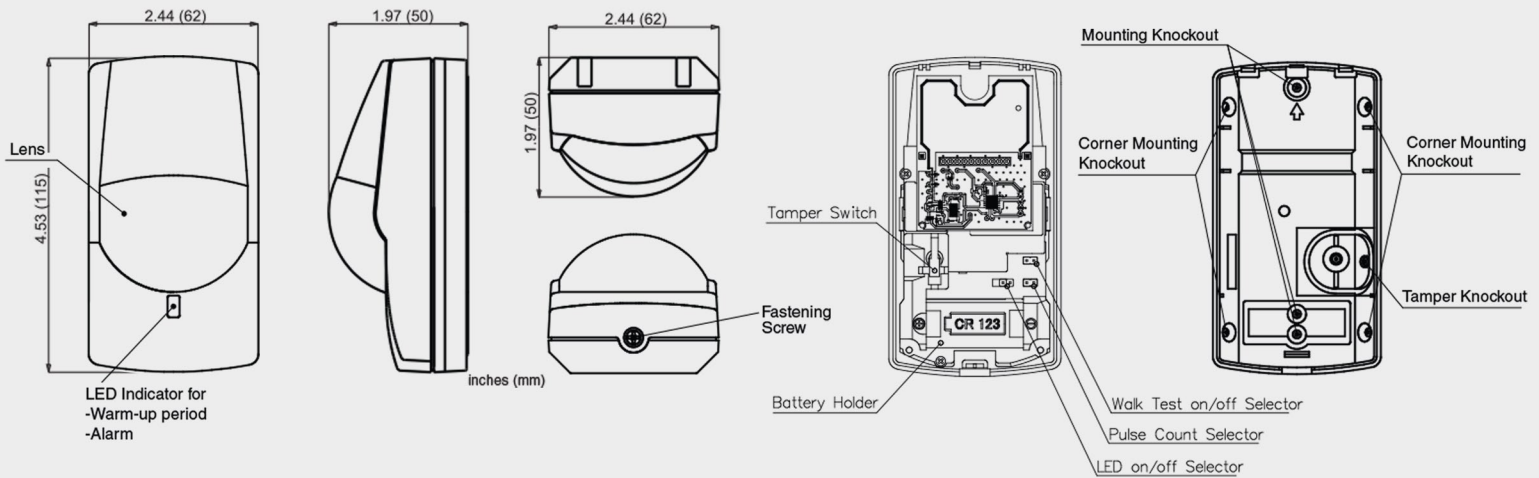
Specifications

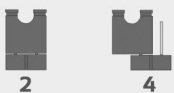|	
Detection Method	Passive Infrared
Coverage	12m x 12m @ 85°
Wireless Range	Up to 500m Line of Sight
Frequency	915MHz
Mounting Height	1.5m - 2.4m
Detection Zones	78 Zones
Sensitivity	1.6°C @ 0.6m / sec
Detectable Speed	0.3m - 1.5m / sec
LED Indicator	On/Off Selectable
Tamper Switch	Front Cover Micro Switch
Pulse Count	Approx 20 sec | 2 or 4
Battery Type	1 x CR123A Lithium
Battery Life	Up to 5 Years
Operating Temperature	-20°C to 50°C
Environment Humidity	85% max
Pet immunity	Small Animals 0-40cm High

Detection Area

Top View

Side View

Hardware & Jumpers Pins

2.44 (62)

1.97 (50)

2.44 (62)

1.97 (50)

Lens

4.53 (115)

LED Indicator for
-Warm-up period
-Alarm

inches (mm)

Tamper Switch

Fastening
Screw

Battery Holder

Mounting Knockout

Corner Mounting
Knockout

Corner Mounting
Knockout

Tamper Knockout

Walk Test on/off Selector

Pulse Count Selector

LED on/off Selector

ON   **OFF**

Movement Indicator LED - Jumper pin **ON = LED ON**   Jumper pin **OFF = LED OFF**
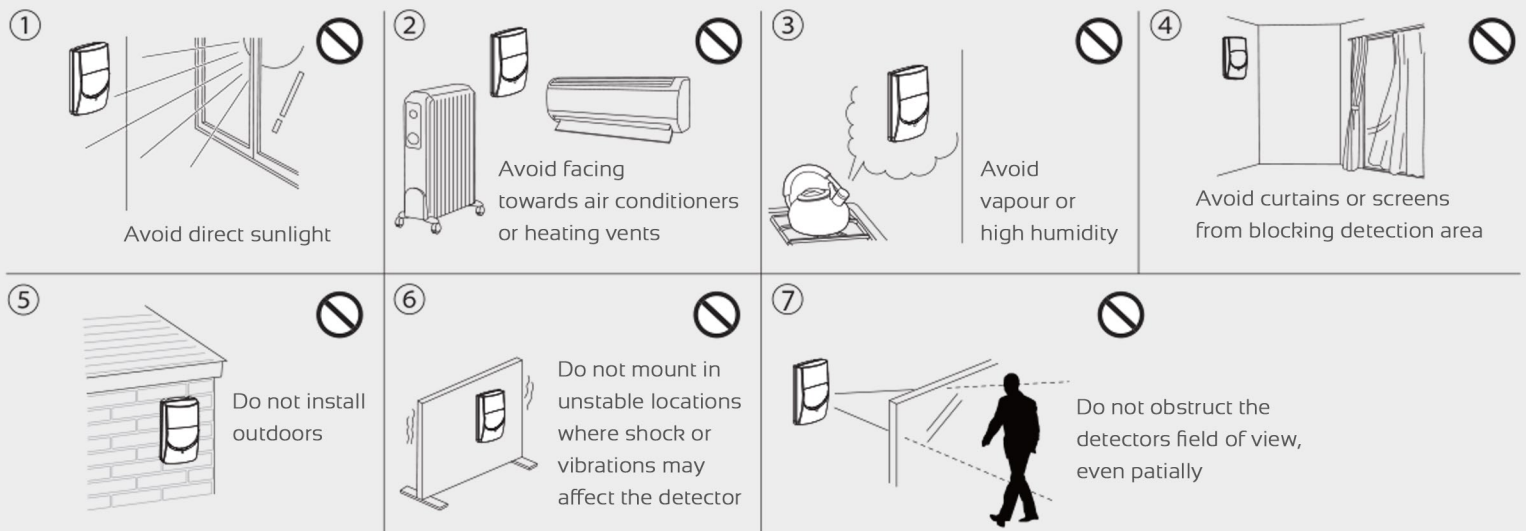
2   **4**

Pulse Count - 2 = Normal conditions & **4 = Harsh conditions**. Harsh = Animals or movement of heat. In Mode 4 sensor may be 'sluggish'. Carefully walk test to ensure desired coverage

Walk Test   **Normal**

Walk Test = Sends alarm with every trigger (*recommended for testing purposes only*)
Normal = Sends alarm trigger & will not generate another for 2 minutes (*recommended for continuous use to help ensure a long battery life*)

Installation Areas to Avoid

The nix sign 🚫 indicates prohibition

① Avoid direct sunlight

② Avoid facing towards air conditioners or heating vents

③ Avoid vapour or high humidity

④ Avoid curtains or screens from blocking detection area

⑤ Do not install outdoors

⑥ Do not mount in unstable locations where shock or vibrations may affect the detector

⑦ Do not obstruct the detectors field of view, even patially

Learning Procedure *(make sure you are in installer programming before proceeding. Default POOOOOOE)*

Enable Wireless Input (P122E)

Press PROG 122 ENTER then the input number you wish to make wireless, followed by ENTER. Next make sure options 1 & 5 are on. This makes the input active & wireless, then press ENTER to save

Example:
P 122 E 9 E turn 1 & 5 on E

Option 1 = Input is active   Option 5 = Input is wireless

Input you are working on

Programming Address

Learn Device into an Input (P164E) *(ensure battery is correctly installed in the device before proceeding)*

- Press PROG 164 ENTER then the input number you wish to enrol the device into, followed by ENTER
- Press ENTER again to start the learn beeps, indicating that the system is waiting to learn a device
- Activate the device tamper switch to complete the learn process and the keypad should stop beeping
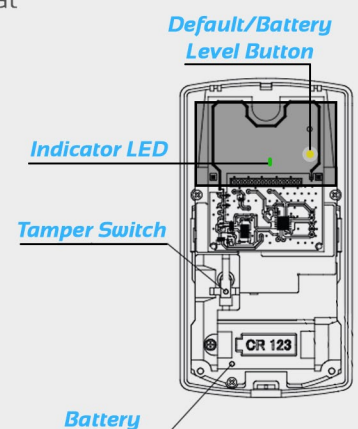
The keypad will now display the input number you learnt the device into. Repeat the steps above using another spare input to learn another device or exit programming to test. For testing it is recommended to have the motion sensor pins set to 'Walk Test'. See page 1 for more information

Default/Battery Level Button

Indicator LED

Tamper Switch

Battery

Battery Status Indication

With the battery inserted, press the gold button for less than 1 second & the LED will indicate battery status.
Green = Battery OK   Red = Battery Low & replacement is advised

Battery low will be indicated at 2.3V & under

Default Programming

If the 'infinity motion' has previously been learnt into a system it may require defaulting. To do so, press and hold the gold 'Default' button while inserting the battery & continue to hold. The LED will display **solid red** and **turn green** when default is successful.

Note: If system defaults have changed you may need to reference the control panel manual for more information