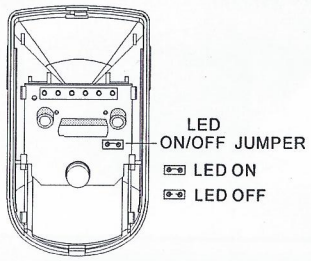
LED Indication

Red LED light, alarm output, relay works at about 5 seconds. detection signals an alarm

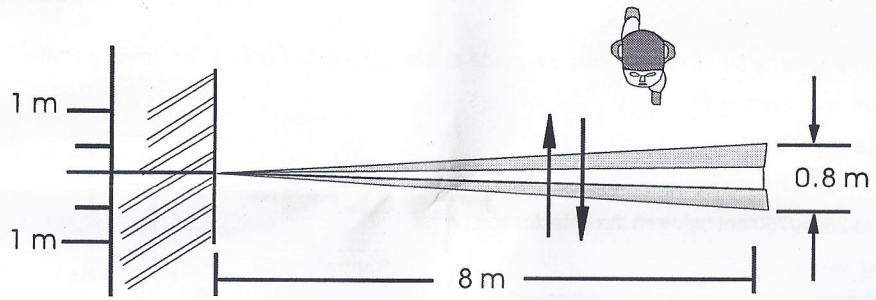


Wslk Test : A Walk Test enables you to determine the effectiveness of the installation.

1. Warm-up time: 80 seconds is required after power up.
2. curtain mode walk across the curtain area, detector will alarm and red LED light is on.
3. Wide angle mode: Walk 2-4 steps freely in the protection area,detector will tirgger an alarm and Red LED is on.

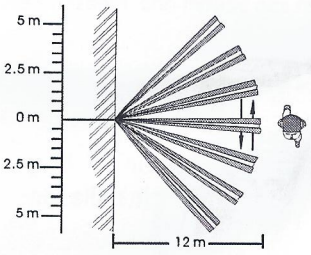
Curtain lens detection view

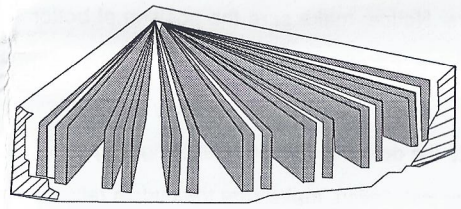
TOP View



Wide angle lens detection view

TOP View





Note: Check detector one half past of a year at least for security.

Installtion and operation Manual

EL-218 Passive Infrared Motion Sensor

Festures :

Working Mode: passive infrared

Digital Signal Processing: Advanced passive signal processing technology make it detect Accurate so can effect reduce false alarm.

Pyroelectric Sensor: Dual Element.

Temperature Compensation: Thermistor.

Input Voltage: 9V - 16V/DC,12mA

Alarm output: N.C,Form A relay,30VDC/150mA Max.

Tamper output: N.C,rated at 24VAC/500mA Max.

Alarm output(selectable): N.O comtacts,rated at 1A/50V,Max. ＊1

Anti-sunlight: 12,000Lux

Anti-frquency disturbance: 48V/m,10MHz-1000MHz

Operating Temperature: Tenperature: -10℃~ +50℃(25℉~ 113℉); Humidity: 5 ~ 95%.

Passive Infrared detection lens : High precision parabola focuscurtain reflector mirrors. The width of curtain only is 0.8m at the furthest position of normal detection distance.

Wide angle lens mode: Seven curtains.＊2

Detection Range: Curtain lens: 8mx0.8m; Wide angle lens : 12m x 10m. ＊2

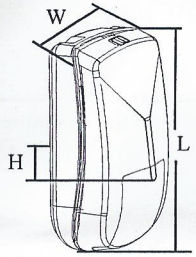
Detection Sensitivity: Curtain mode: Walking across at a speed of 0.2-5 m/s.

Wide angle mode: Normal walk two to four steps within detection coverage. ＊2

Dimension: 92 x 52 x 33mm (L X W X H).

Weight: G.W: 90g; N.W:70g.

Note: The ＊1, ＊2 is Optiond accessories.



Mounting location

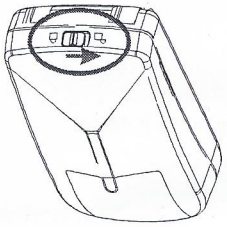
1,select a mounting location in which the likely direction of intruder motion is across the coverage pattern door. windows ect

2. Do not install in which rapid temperature changes from central heating from central heating, radiators , ducts ,air conditioning ect.

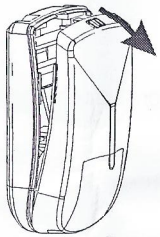
3, Make sure there no obstructions that can block the pattern of coverage

Installation In structions

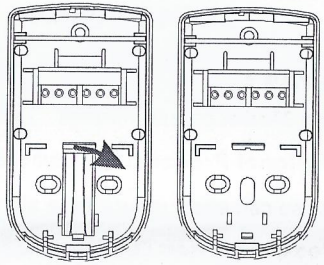
1. Unlock the switch.



2. Prize up the joint line between front and back cover with a blade screwdriver.



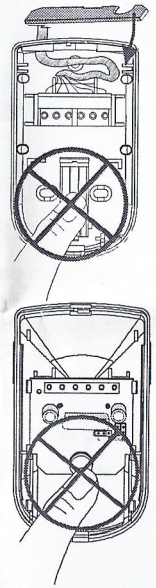
3. Push out the front cover from back cover.



4.1 prevent reflector from dust of drilling hole, please remove reflector when mounting back cover, avoid your hands to contact reflectors surface when removing or mounting reflector, only blow off them or wipe off them slightly with soft cloth after founding dust not other things for keeping better detection effect.

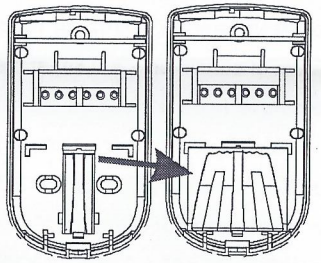
4.2 connect the wires to terminal, observe connect polarity

4.3 Don't let your hands contact with infrared sensor.

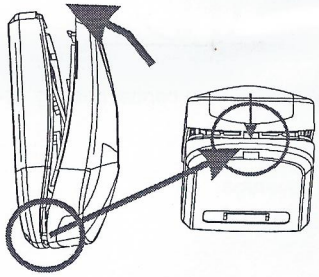


Select Wide lens mode

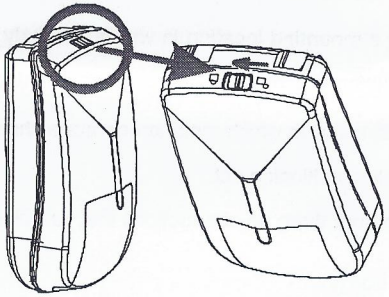
EL-218 can use by wide lens mode, but as wide lens mode, must change single curtain lens into wide angle lens.

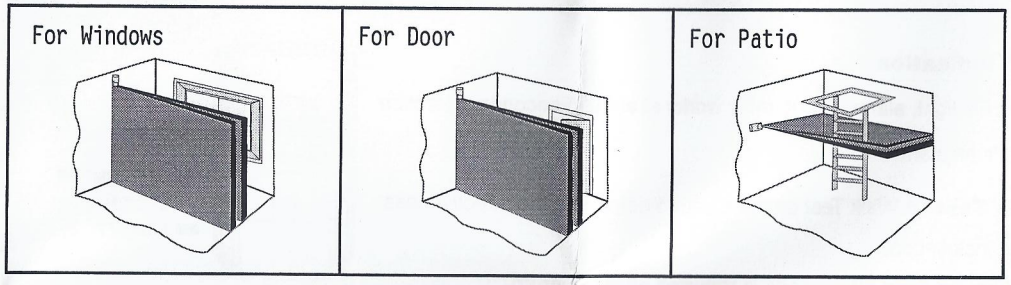


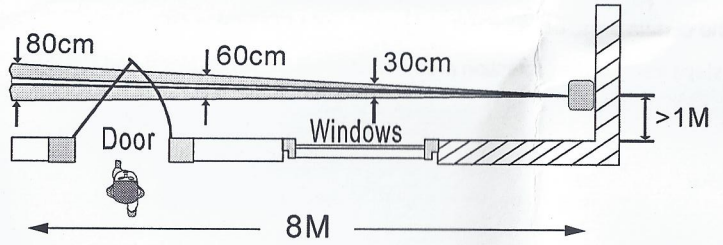
5. Place front cover into the mounting hole of back cover.



6. Remounting covers, and lock it.







Note: please install the detector on wall, the place which should be one meter or more

Installation

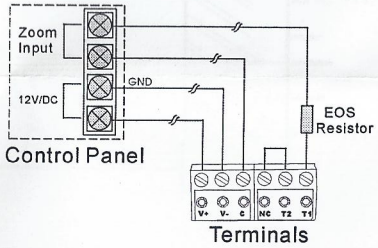
Note: Only apply power after all connections are made and inspected.And ensure the power polarity, 14-22AWG wire is reconnended.

Note:Do not leave too long wire in the detector.

Terminals V+&V-: Power input, Voltage: 9 -16V.The max distance is up to 250m/750feet between the detector and power source if using wire #22AWG.

Terminals C&NC: Alarm output. 30VDC/150mA. Max

Terminals T1&T2: Tamper output, N.C, 24VAC/500mA.



Remove the curtain reflector, please take hand of reflector's top .pull emissive outwards.

When uninstalling, hold on the upper two sides of the mirror, pull the mirror out, following phase of right figure in opposite direction.Installation: push curtain reflecting mirror down into bottom rind. Please refer to right figure .Notice: make sure the position of bottom of the curtain reflecting mirror must absolutely fit into the bottom rind. Please refer to part of the figure.Horizontally push curtain reflecting mirror into the detector. Please refer to right figure

Notice: after installation, make sure the curtain reflecting mirror is stable, don't touch the mirror when installing.

