HPIR 008 Motion Sensor Instruction Manual

This RF PIR Motion Sensor is compatible with Keystone's 008 series of Transmitters and Receivers

Important: Never touch or alter the internal Antenna and ensure that the batteries are inserted in the correct polarity.

Jumpers

There are two sets of Jumpers on the PCB

The top set selects Pulse Count – the lower the number, the more sensitive the PIR is to detection.

The bottom set selects whether the LED lights up after detection and whether there is a time delay of approx. 3 minutes between transmissions after a detection (details on label inside top housing)

Testing the PIR

Before finally installing the PIR, check for range and detection coverage. Do not mount the PIR in a location close to its range limit. Range will vary in different locations.

- Put the Receiver/Control Panel with which it is being used into Test Mode and put the top Jumper in positon 1

- Put the bottom Jumper in the position RST

- Insert 2 pcs of 1.5V AA batteries, wait until you see the LED turn on and then off (this warm up time could take up to 3 minutes)

- Press down and release the tamper switch or move in front of the PIR to create a transmission

- The LED should light up for approx. 2 seconds to indicate a transmission has occurred
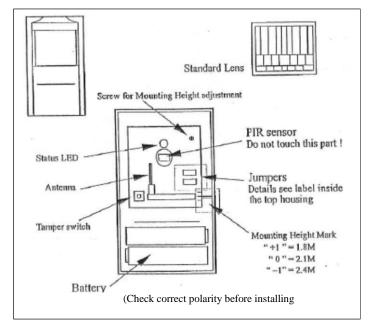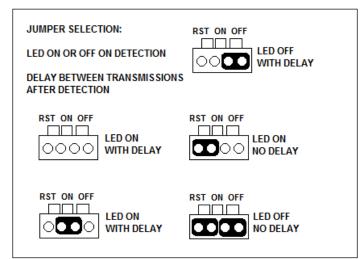
Locating the PIR

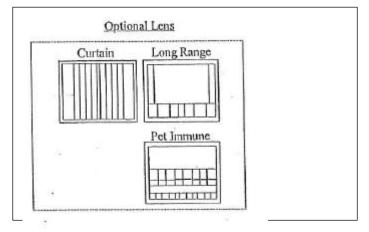When choosing a location for the PIR:

- Do NOT aim the detector at reflective surfaces such as mirrors or windows

- Do NOT locate the detector near sources of moisture

- Do NOT locate the detector in the path of direct or reflective sunlight

- Do NOT place large objects such as furniture or plants in front of the detector. The detector should have a clear line of sight to the protected area

- Avoid locations that are subject to direct high air flow such as close proximity to air ducts, fan heaters etc

Test the PIR coverage

- Temporarily mount the PIR with double sided tape at the mounting location (usually 2.1M above ground). If mounted at a different height, adjust the pcb up/down according to the scale to the right of the bottom Jumper. Wait until the LED turns off

- Check the PIR coverage by walking in front of it. The LED will light up each time detection occurs

- Once the location has been selected, it is recommended that the bottom Jumpers are selected with the LED Off and with Delay. This means only one jumper over the OFF position. This will seriously increase battery life

Changing the Lens

The detector comes with a standard lens. To change the lens, release the lower tab and pull the lens holder out. This action releases the lens. Insert the new lens with the flat surface to the outside of the housing. The bottom edge of the lens is flat. Ensure the lens is centered and then re-attach the lens holder. The lens holder will snap into place sealing the lens into position.

Standard Lens

Screw for Mounting Height adjustment

PIR sensor
Do not touch this part !

Status LED

Antenna

Jumpers
Details see label inside
the top housing

Tamper switch

Mounting Height Mark
" +1 " = 1.8M
" 0 " = 2.1M
" –1 " = 2.4M

Battery

(Check correct polarity before installing

JUMPER SELECTION:

LED ON OR OFF ON DETECTION

RST ON OFF
LED OFF WITH DELAY

DELAY BETWEEN TRANSMISSIONS AFTER DETECTION

RST ON OFF
LED ON WITH DELAY

RST ON OFF
LED ON NO DELAY

RST ON OFF
LED ON WITH DELAY

RST ON OFF
LED OFF NO DELAY

Optional Lens

Curtain   Long Range

Pet Immune