PIR SENSOR

DESCRIPTION

Passive Infrared Technology (PIR) is employed to detect occupancy by analyzing the infrared energy emitted by a moving object in comparison to the background space. This technology identifies variations in the infrared energy released by occupants as they move within the designated field-of-view.

The Reno-PIR is designed to be directly installed onto an industrial luminaire or junction box. It functions as a self-contained sensor and relay, controlling the activation or deactivation of light fixtures depending on occupancy status. With a reliable coverage extending up to a 30 foot radius at mounting heights, the Reno-PIR ensures effective performance.

FEATURES

- 360° of coverage, up to 30ft detection radius
- Comes with two interchangeable Lenses suitable for Lowbay & Highbay fixtures
- Installs into standard 1/2" knockout
- Dip switch
- 120-347V, 60Hz
- For use at heights above 8ft. to maximum 40ft.
- Adjustable sensitivity, hold time, stand-by dim level, stand-by time, and daylight settings

- Operation temperature: -40°F to 167°F (-40°C to 75°C)
- With UL certificate
- 5 year warranty
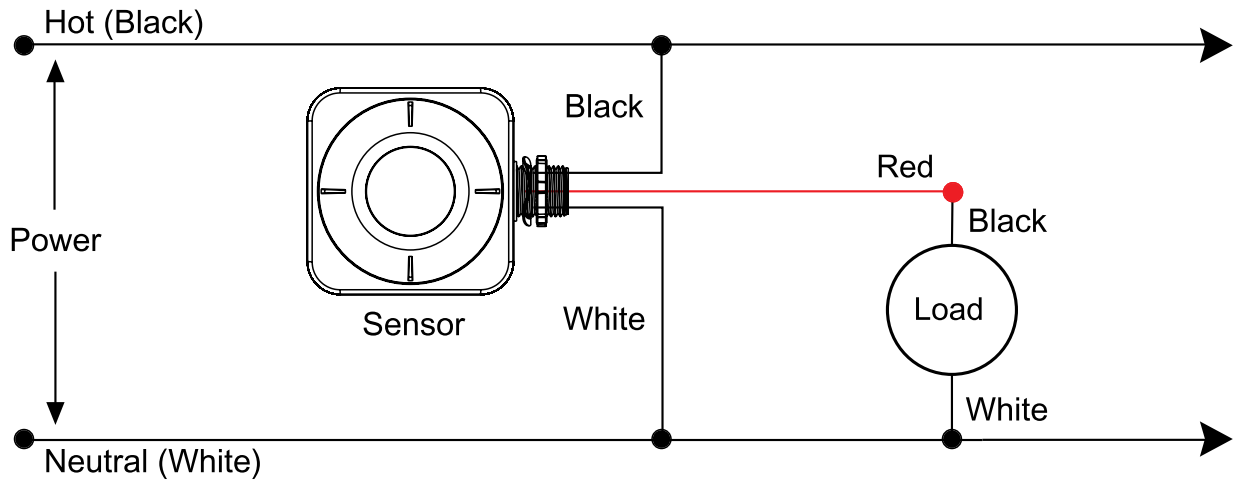- Compatible with RENO Strip, RENO VP, RENO Wrap

SENSOR
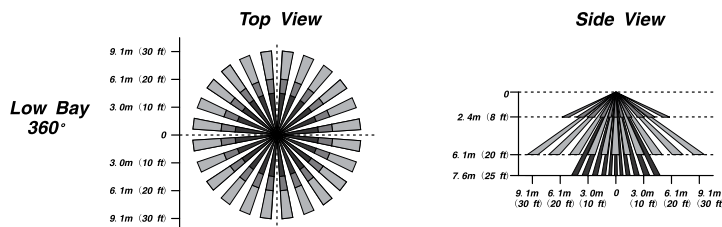
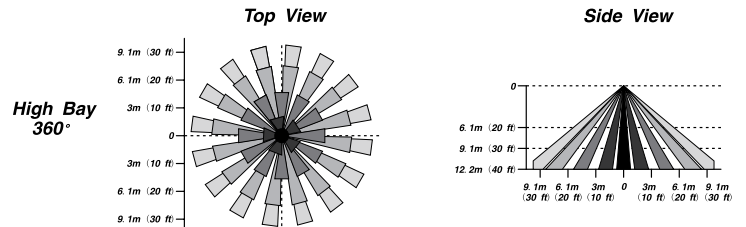| ORDER#	MODEL#	DESCRIPTION
R72003	RENO-SENSOR-PIR-H-ON/OFF	For external mounting when installed above 13FT

WIRING DIAGRAM

Hot (Black)

Black

Red

Black

Power

Load

Sensor

White

White

Neutral (White)

FIELD OF VIEW

L1 Lens (8ft - 20ft)

Low Bay 360°

Top View
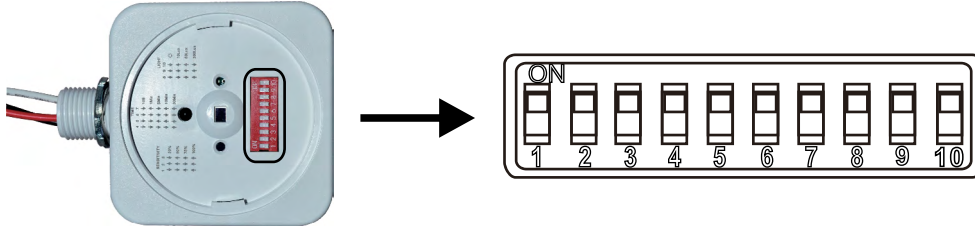
Side View

L2 Lens (20ft - 40ft)


High Bay 360°

Top View

Side View

PARAMETER SETTING BY DIP SWITCH

Shown as chart below: By setting the 1 to set the detection range of products, by setting 2,3,4,5,6,7,8 to set the delay time of products, by setting the 9, 10 to set the light-control of products.

DETECTION RANGE SETTING (SENSITIVITY)

Detection range is the term used to describe the radius of the more less circular detection zone producded on the ground after mounting the sensor light at a height of 40ft, pull switch to the ON postion as "⬆", pull switch to OFF postion as "⬇", switch location and detection range of the corresponding table is as follows:
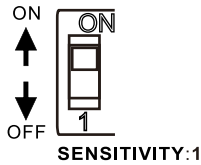
SENSITIVITY
1
⬇ 50%
⬆ 100%

HOLD TIME SETTING

The light can be set to stay ON for any period of time between approx. 10sec and a maximum of 20min. Any movement detected before this time elapse will re-start the timer. It is recommended to select the shortest time for adjusting the detection zone and for performing the walk test.
Pull switch to the ON position as "⬆", pull switch to the OFF position as "⬇", switch location and hold time of the corresponding table is as follows:
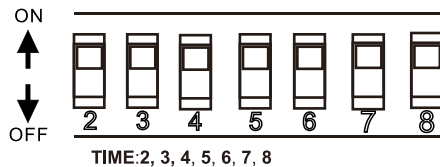
TIME

2	3	4	5	6	7	8	
⬆	⬇	⬇	⬇	⬇	⬇	⬇	10S
⬇	⬆	⬇	⬇	⬇	⬇	⬇	30S
⬇	⬇	⬆	⬇	⬇	⬇	⬇	60S
⬇	⬇	⬇	⬆	⬇	⬇	⬇	90S
⬇	⬇	⬇	⬇	⬆	⬇	⬇	3Min
⬇	⬇	⬇	⬇	⬇	⬆	⬇	5Min
⬇	⬇	⬇	⬇	⬇	⬇	⬆	20Min

TIME:2, 3, 4, 5, 6, 7, 8

DIMENSIONS

81mm
(3.2")

43.3mm
(1.7")

81mm
(3.2")

102.5mm
(4")

G1/2