

LS-912R

LS-912R is a microcontroller based Motion Detector with built in switch, containing all advantages of ambient light sensing with quad element sensor for excellent performance and reliability in a desirable ceiling mount design. The LS-912R has a 360° field of view and a 12m diameter detection pattern.



Features

Precision detection

Analog and Digital signal processing is combined to remove noise and hence to reduce false switching with **SpotOn** filter algorithm in multiple domains including amplitude, frequency, pulse count with bipolar signal processing.

Uniform sensitivity optic

Optimum detection is achieved by using uniform zone distribution optic / lens manufactured using patented material for uniform sensitivity throughout detection area

Environmental adoption

ZANSA sensor monitors changes in environmental temperature condition and adjust the sensing parameters for revolutionary performance.

Manual override on Operational modes

Operating mode can be overridden by switching power switch itself.

Quick installation mode

A unique feature to help installation professional to quickly analyze sensor performance in required detection area.

Versatile performance:

Advance detection technology and compact design make the sensors ideal for both residential and commercial applications.

Universal Mounting Design

Swivel ball joint bracket helps in directing sensor towards required detection area even for 360° ceiling mount sensor on Wall, Corner and ceiling in suspended fashion apart from traditional surface mounting.

Sleek, attractive housing

The sleek housing fits into variety of building styles and blends with any room decor. The housing offers detachable connector or separate cable for easy, fast and trouble free installation.

**PIR
SENSOR
SWITCH**



ZANSA™

LS-912R

Specifications:

Physical Dimensions (mm)

(H x W x D)
100 x 42 x 75

Weight

Packed Product: approx. 160gm

Power requirements:

230VAC \pm 10%, 40mA.

Load

1500W Incandescent
360W Fluorescent

Detection range:

360° x 12m at 20°C

Mounting Height:

3m typical

Temperature compensation

Automatic bidirectional temperature compensation

Operational modes

ON: Output is always ON
OFF: Output is always OFF
Auto: Output will be switched on and off depending on valid PIR signal

Protections

Short circuit protection
Surge Protection
EMI/RFI Protection
Harmonic Filter
Relay Contact Protection

ON Time

Determines the lamp on time after last motion is detected. Different 'ON Time' can be selected by placing jumper head at following pin code.

- 30S: 30 Seconds.
- 1M: 1 minute
- 3M: 3 minute
- 5M: 5minute
- 7.30M: 7.30 minute
- 10M: 10 minute
- 15M: 15 minute
- 20M: 20 minute

Lux level

Determines the operation of light switch, by sensing ambient light. Different lux levels can be selected by setting proper jumper at following pin code.

- N: Night mode (1 - 3 LUX)
- U: Dusk mode (4 - 10 LUX)
- X: Reserved for future use
- D: Day mode (24 hrs)

Sensitivity

- 1-2 steps within the field of view
- L: Minimum sensitivity.
 - M: Medium sensitivity.
 - H: Maximum sensitivity.

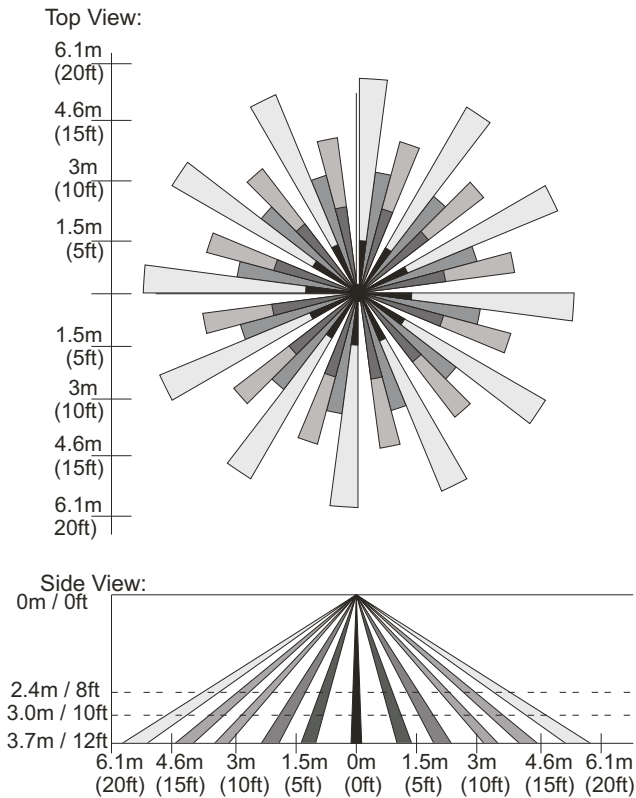
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Detection Pattern



**PIR
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SWITCH**

Ordering

Part Number
LS-912R

Description
PIR Sensor Switch

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