

LS-118

LS-118 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-118 has a 88° field of view and a 18m 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 analyse 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 on Wall, Corner and even on 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-118

Specifications:

Physical Dimentions (mm)

(H x W x D)
101 x 55 x 75

Weight

Packed Product: approx. 160gm

Power requirements:

230VAC + 10%, 40mA.

Alarm Relay

1500W Incandescent
360W Fluorescent

Detection range:

88° x 18m 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.

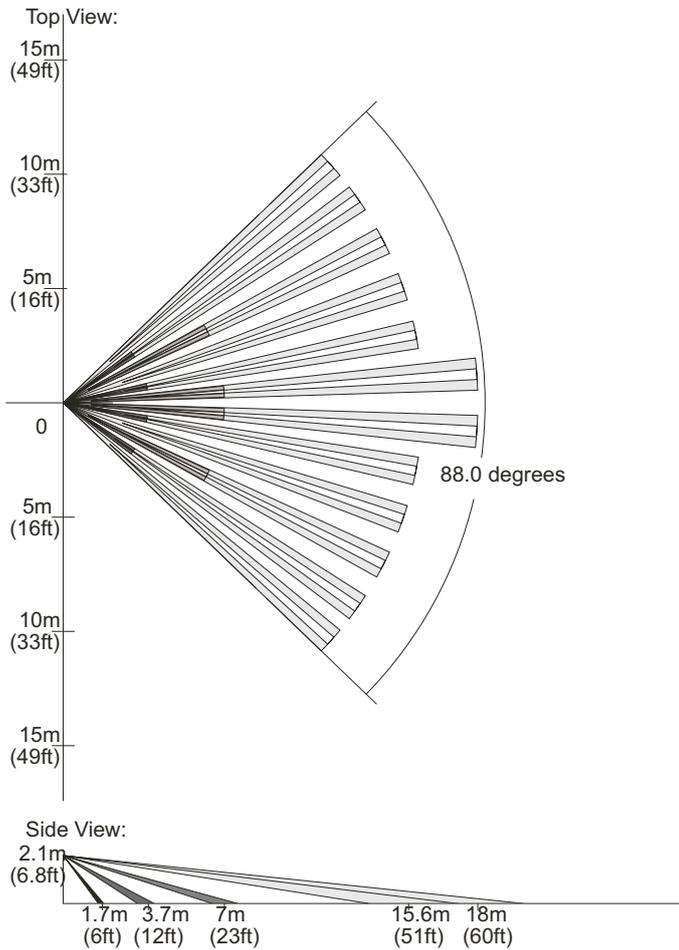
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Detection Pattern



PIR
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Ordering

Part Number

LS-118

Description

PIR Sensor Switch

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