

# LC-366

## Passive Infrared SenSwitch



### OVERVIEW

IR-TEC's LC-366 is a Passive Infrared SenSwitch designed to be built-in an OEM product, such as lighting fixture or bathroom ventilation fan. The sensor provides automatic operation control by detecting human motion within its detection range. It employs a dual element pyroelectric infrared sensor and an advanced electronics circuit to provide many outstanding features for diverse control of OEM applications.

- Available for resistive/inductive load control
- Up to 5m. diameter detection range
- 50% detection range cover provided
- Adjustable light hold-ON delay time
- Adjustable light switching LUX level
- Over loading fuse protection built-in
- Horizontal/vertical mounting availability

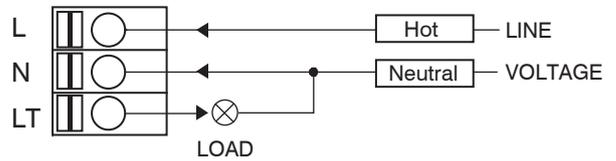
### APPLICATION

The LC-366 Passive Infrared SenSwitch is ideal to control the devices that require automatic control for human presence. Typical applications includes:

- Ceiling/wall mount light fixture
- Bathroom/toilet ventilation fan
- Indoor air quality filter

*Note: A 23mm diameter opening is required on the enclosure for sensor detection.*

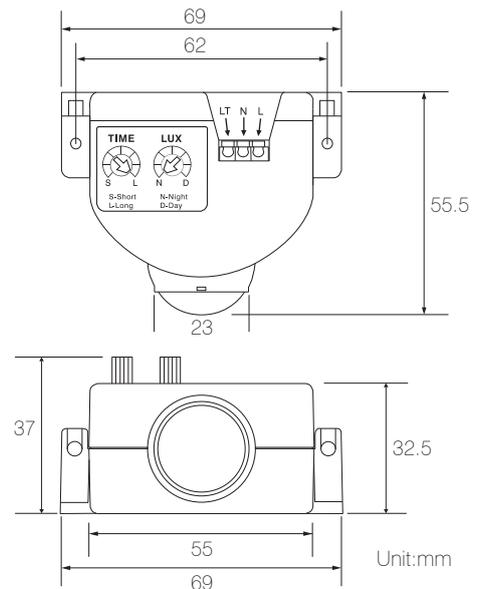
### CONNECTIONS



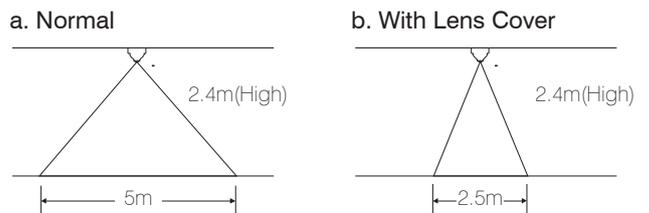
### WIRING NOTES

- Wire specification: AWG 16~20.
- The wires should be solid or tinned strand.
- Proper strip length: 7.0~8.5mm.

### DIMENSIONS



### DETECTION RANGE

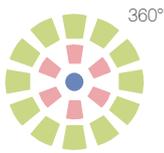


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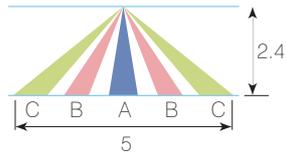
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### DETECTION PATTERN

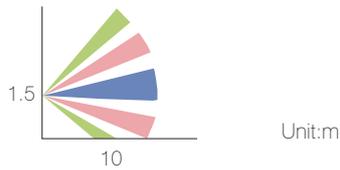
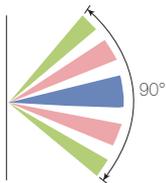
Top View  
Ceiling Mount



Side View



Wall Mount



Unit:m

### SPECIFICATIONS

Rated power voltage	277VAC, 50/60Hz
Power consumption	<90mA, @ 110V, no load
Load capacity	1A max.
Mounting height	2.2~2.4m typical, 3m max.
Warm up time	Approx. 60 sec.
Detection speed	0.3~2.5m/sec. (0.98~8.2 ft./sec)
Detection range	Ceiling: 5m dia. @ 2.4m Wall: 10m, 90° 1.5~1.8m
Photocell sensor range	Approx. 1~2000 lux
Light-ON delay time	Approx. 5 sec.~10 min.
Operating temperature	-10°C~65°C (14°F~149°F)
Operating humidity	20%~ 90% RH
Storage condition	-20°C~75°C (4°F~167°F), 95% RH max.
Dimensions	69 x 55 x 32 mm (2.72"x 2.19"x 1.28")

Above specifications are subject to change without prior notice.