

## Description

Infrared Motion Sensor

### OR-OB-12A



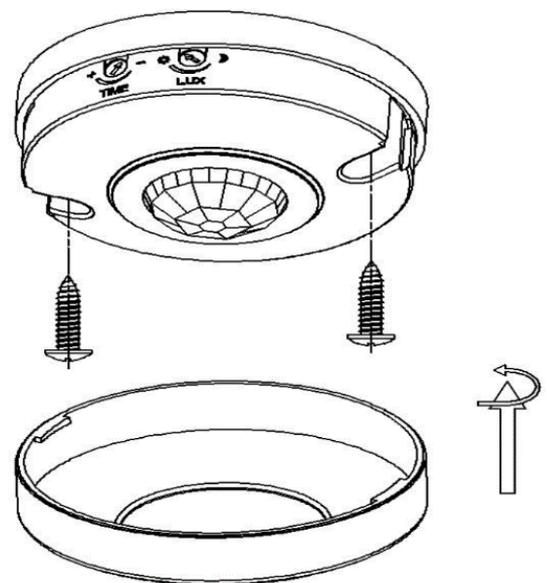
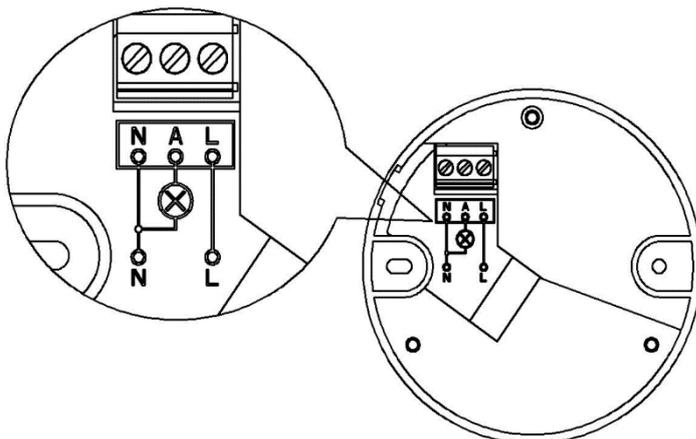
Product front view

### Technical Specification

- Power Source: 220-240V/AC
- Power Frequency: 50/60Hz
- Ambient Light: <10-2000LUX (adjustable)
- Time Delay: Min. 10sec±3sec  
Max. 7min±2min
- Rated Load: Max. 1200W (incandescent)  
(lamp type) Max. 300W (energy-saving)
- Detection Range: 360°
- Detection Distance: 6m max (<24°C)
- Working Temperature: -20~+40°C
- Working Humidity: <93%RH
- Power Consumption: ~ 0.45W (activated)
- Power Consumption: ~ 0.1W (standby)
- Installation Height: 2.2m - 4m
- Detection Moving Speed: 0.6-1.5m/s

### Installation

- Remove cover by twisting the top cover anti-clockwise in order to access wiring terminals and mounting holes
- Wire the AC power to the Sensor and to the load as shown:



Remove top cover as shown

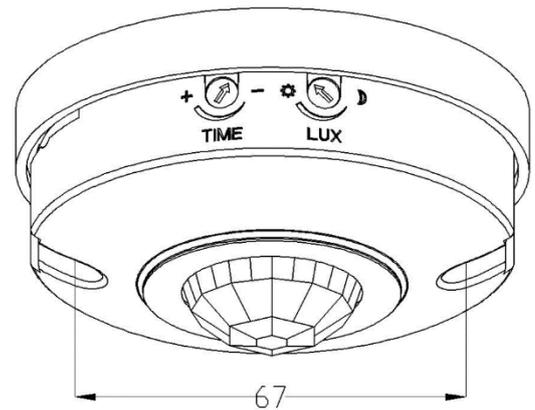
## Adjustments

**TIME:** Delay switch off after no motion is detected  
Fully anti-clockwise (-) delay-off ~10s,  
Fully clockwise (+) delay-off ~7min

**LUX:** Sensor operates when ambient is bright or dark

- ☾ Fully anti-clockwise ~<10 lux (dark)
- ☀ Fully clockwise ~ 2000 lux (bright)

**Note:** Warm-up time ~30 sec upon sensor powered up



## Sensor location

### Avoid the following:

- Pointing the sensor towards objects with highly reflective surfaces, such as mirrors etc.
- Mounting the sensor near heat sources, such as heating vents, air conditioning units, lights, etc.
- Pointing the sensor towards objects that may move in the wind, such as curtains, tall plants, etc.
- High ambient temperature environment such as heated room or room with ovens or heaters.