# T&J

## Description

Infrared Motion Sensor

## OR-OB-06


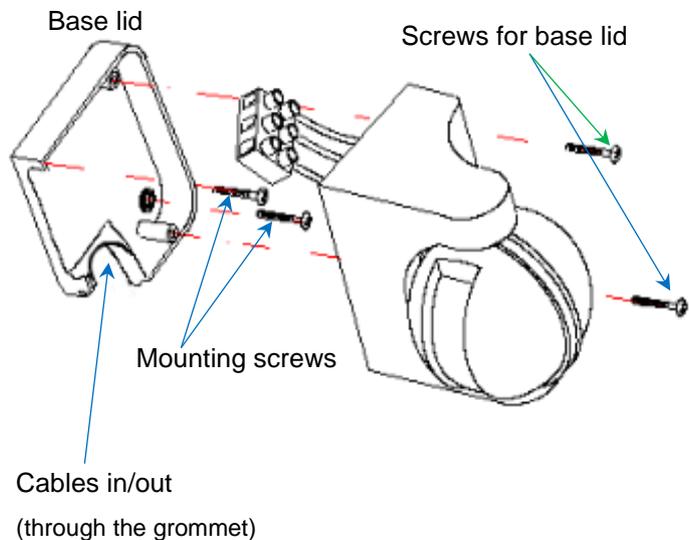
## Technical Specification

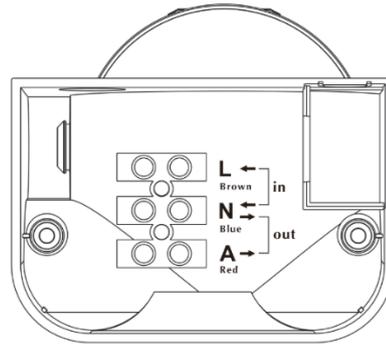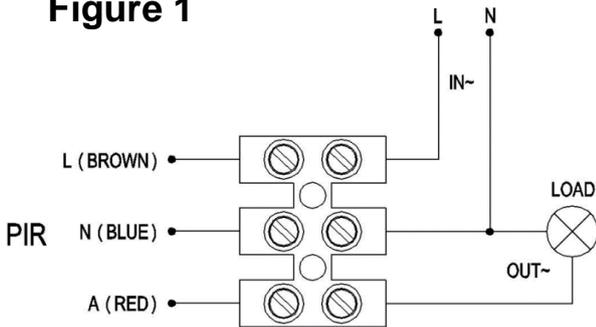- Power Source: 220-240V/AC
- Power Frequency: 50Hz
- Ambient Light: <10-2000LUX (adjustable)
- Time Delay: Min.10sec±3sec
           Max.7min±2min
- Rated Load: Max. 1200W (incandescent)
  (lamp type)   Max. 300W (energy-saving)

- Detection Range: 180°
- Detection Distance: 12m max (<24℃)
- Working Temperature: -20~+40℃
- Working Humidity: <93%RH
- Power Consumption: <0.9W (activated)
                < 0.9W (standby)
- Installation Height: 1.8~2.5m
- Detection Moving Speed: 0.6~1.5m/s

## Installation

- Loosen the screws on the base lid, lift up the screw terminals, pass the power and load cabling through the base lid cable grommet.
- Use the self-tapping screws provided, mount the base lid on a flat surface.
- Wire the AC power to the Sensor (PIR) and to the load as shown in Figure 1
- Fix the Sensor back to the base lid and tighten the 2 screws, switch on AC power and test it.



Base lid

Screws for base lid

Mounting screws

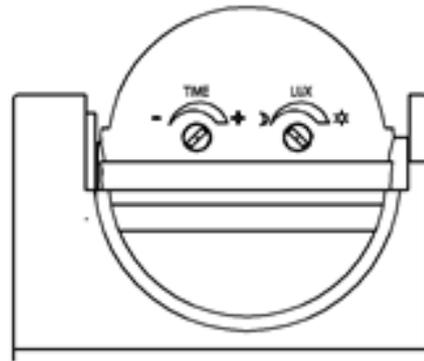Cables in/out

(through the grommet)

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## Figure 1



## 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)
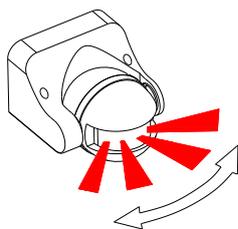  ☼  Fully clockwise ~ 2000 lux (bright)

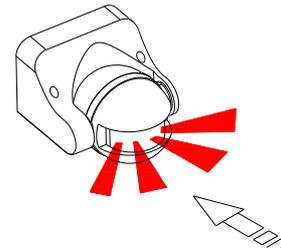**Note:** Warm-up time ~30 sec upon sensor powered up



## 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, bright 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.



Good sensitivity

– when object moving across sensor

Low sensitivity

– when object moving towards sensor