

INSTALLATION AND OPERATING INSTRUCTIONS

FOR STAND-ALONE PIR DETECTOR MODEL: RS8B

We are delighted that you have purchased this PIR detector. This detector is constructed and tested to IP44 and is suitable for outdoor use. Please read the instruction manual before installation and retain for future reference.

IMPORTANT: Never modify the RS8B, there are no user serviceable parts inside. Not suitable for use with dimmer switches. Install in accordance with I.E.C. Wiring Regulations (Rigid Cable $\Phi 0.75\sim 1.50\text{mm}$). *The RS8B SHOULD BE INSTALLED BY A QUALIFIED ELECTRICIAN.*

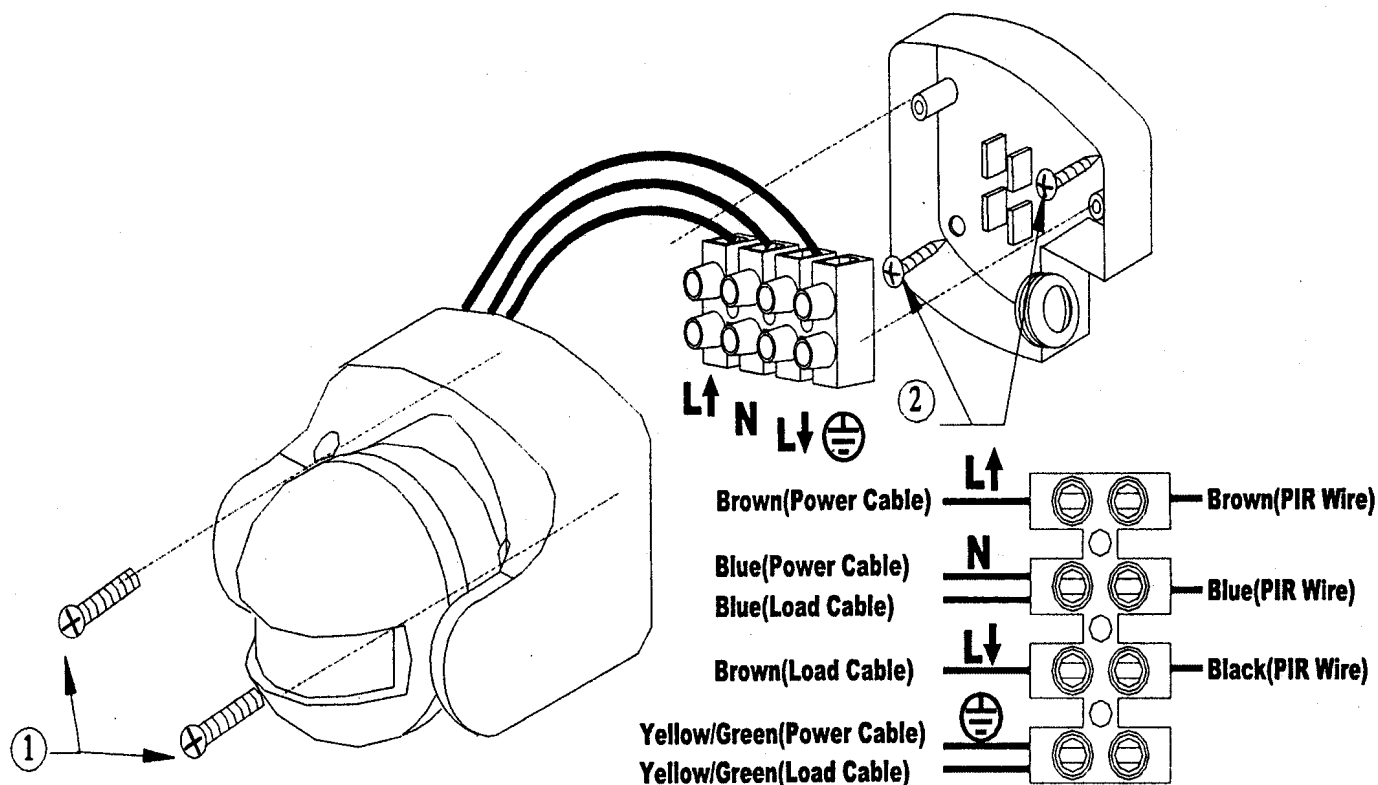
And please pay attention to the followings:

- Before commencing any electrical work, ensure mains supply cable are isolated by switching off and removing the relevant fuse.

■ POSITIONING THE UNIT

When selecting the mounting position, take into account the following points:

1. The sensor is designed for optimum performance when mounted 2.5 meters above ground level.
2. Avoid positioning close to trees or shrubs which may cause false triggering during wet, windy weather.
3. Avoid pointing at or positioning close to heat sources such as flues or heat extraction units, which may cause false triggering.
4. Avoid pointing at bright lights as unit will not function when you set Lux control level to dark (D position)
5. Avoid mounting at strong electromagnetic disturbance, which may cause false triggering.
6. The sensor is most sensitive to movement across the detection area as opposed to directly towards or away from the unit. Position the unit to point across flow areas.



■ FITTING THE UNIT (Referring to the above figure)

Before commencing any electrical work, ensure mains supply cables are isolated by switching off and removing the relevant fuse.

1. Unscrew the screws①, remove the back plate and terminal block
2. Affix the back plate to the mounting surface with screw② (supplied)
3. Connecting the main power wires and "load" wires to the terminal block (see the relative symbols), the wires must pass through the rubber gasket.
4. Re-fit the terminal block and screws①

After finishing the fitting operation, you can adjust the detection area and working state of PIR sensor.

■ WALK TESTING:

When power is switched on to the RS8B, the **RS8B** detector will enter into a "WARN-UP" period for approximately 30 seconds (within 1 minute) and then automatically change into "AUTO MODE". Whilst in the AUTO MODE, you can then carry out a Walk-Test by placing the LUX control to day position (✱) and the TIME control to minimum (-). Once the **RS8B** sensor receives a valid trigger signal (such as movement of a human body) within its detection area, the lamp(s) (load) will be turned on for the pre-set period of time. You will be able to determine the detection area by walking slowly.

After completing the walk-test, set the LUX KNOB to the night position to ensure RS8B only operates at night and set TIME KNOB to the desired "ON" time.

ADJUSTING THE LUX CONTROL LEVEL:

The Lux control module has a built-in sensing device (CdS photocell) that detects daylight and darkness.

(✱) position denotes that the lamp(s) (load) will be turned on by PIR during day and night.

(☾) position denotes that the lamp(s) (load) will be turned on by PIR only at night.

You can set to operate the unit at the desired level by adjusting the LUX knob

ADJUSTING THE DURATION TIME:

The duration time is "the length of time that the **RS8B** switches the load 'on' after activation". The duration time can be adjusted from (10 ± 5) seconds to (4 ± 1) minutes. Rotating the TIME knob from (+) to (-) will reduce the duration time.

Note: Once the lamp(s) (load) has been triggered by the PIR sensor any subsequent detection will start the timed period again from the beginning.

■ TECHNICAL DETAILS

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|---------------------|---|
| VOLTAGE: | 230 VAC 50 Hz |
| WATTAGE: | Max. 1000W for incandescent |
| DETECTION ANGLE: | Approximately 180° |
| DETECTION DISTANCE: | Max. 12 meters |
| DURATION TIME: | (10 ± 5) seconds up to (4 ± 1) minutes adjustable |
| LUX CONTROL LEVEL: | From daylight to night adjustable |
| WATERPROOF: | IP44 |