

PIR Sensors

Instructions Page 1

For models: PIR-B1, PIR-W1



This installation must be carried out by an electrician.

Please read these instructions carefully before installation.

Leave a copy for the user/maintenance engineer for future reference.

Specification

- PIR Sensors
- Detection Range: 180°
- Detection Distance: 10m* (<22°C)
- Power Source: 230V
- Time Delay: Min. 10 seconds Max. 10 minutes
- Ambient light: 2 Lux-1000 Lux
- Power Frequency: 50Hz
- Installation Height: 2m~4m
- Rated Load: 1000W (220V/AC).
- Working Temperature: -10°C~+40°C
- Working Humidity: <93%RH

*Range will reduce as install height increases.

Important Installation Information

- Before installation or maintenance ensure that the mains supply to the unit is switched off and the circuit supply fuses are removed or circuit breaker turned off.
- It is recommended that a qualified electrician is consulted or used for the installation of this photocell and installed to the current edition of the IEE wiring regulations.

Installation Instructions

- Avoid installing it near heating or air conditioning.

N-Blue

L-Brown

Red

Connect Blue to the Neutral of the load and Red to the Live of the load. This product must be installed by a qualified electrician.

TEST: AUTO MODE

- The Sensor is equipped with two adjustment controls;
- After installation, please turn the time controller anti-clockwise to the minimum position before you switch on the power. Turn the lux control anti-clockwise to the minimum value.
- Restore the main power; the light will be on for 30seconds.
- Adjust the lux and the time with the controls to suit your requirement.

TEST: MANUAL MODE

- To test the MANUAL mode (light permanently on), switch the light off and on quickly within 1-2 seconds at the light switch. The light should remain permanently on regardless of the sensor operation.
- To reset the light into AUTO mode, switch it off for approximately 30-60 seconds before switching back on.
- After successfully testing the light, please ensure you adjust the settings to the desired LUX and TIME settings. Position the angle of the sensor head so that the optimum coverage is achieved.

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Instructions Page 2

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SWITCHING TO MANUAL MODE

To override the AUTO sensor mode and to use the light fitting as an ordinary light, it needs to be switched to MANUAL mode. To do this, switch the unit off and on quickly within 1-2 seconds at the light switch. The light will now remain permanently on regardless of the sensor settings.

To reset the light into AUTO mode, switch it off for approximately 30-60 seconds before switching back on.

NOTE: Avoid installing the Sensor near heating or an air conditioning outlet. Protect the lens from sharp objects.



Product is suitable for mounting on flammable material



Product complies with all relevant European standards

Guarantee

This product is guaranteed for a period of 1 year from the date of purchase. The guarantee is invalid in the case of improper use, tampering, removal of the Q.C. date label, installation in an improper working environment or installation not according to the current edition of the I.E.E. Wiring Regulations (BS7671). The guarantee is also invalidated if the luminaire has been Mega tested. Should this product fail during the guarantee period it will be replaced free of charge, subject to correct installation and return of the faulty unit. We do not accept responsibility for any installation costs associated with the replacement of this product. If a PIR is used in conjunction with any Red Arrow lighting product we do not accept any responsibility for premature failure of lamps or control gear. Your statutory rights are not affected. We reserve the right to alter specifications without prior notice.