

## PIR Sensors

Product Codes: **PIR-R360/8**

### Safety Warning



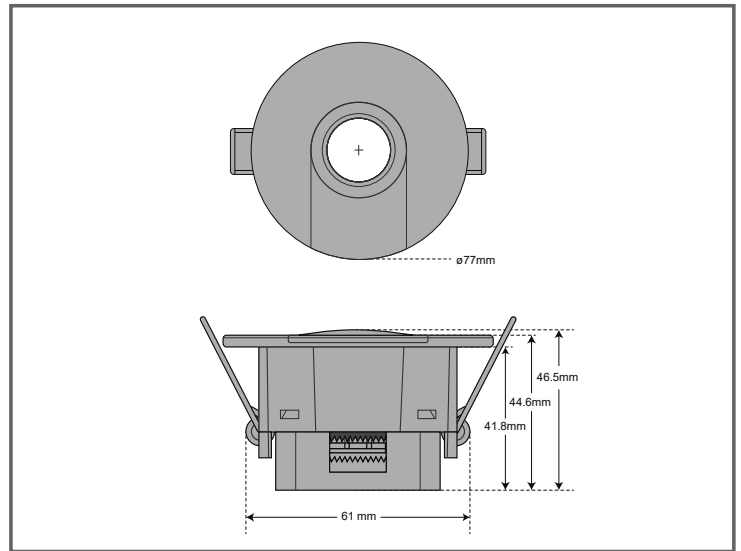
- The installation should be carried out by a qualified electrician in compliance with the current edition of the IEE Wiring Regulations.
- Prior to installation, carry out the necessary risk assessment considering the people who could be at risk, the level of risk and the precautions required to control the risk
- Ensure that the circuit supply is isolated either by the circuit supply fuse being removed or the applicable circuit breaker being turned off before installation or any maintenance.
- Check the total load on the circuit ensuring the luminaire does not exceed the rating of the circuit cable, fuse or circuit breaker.
- Long-term use and voltage fluctuations can reduce the life span of the fitting.
- If the fitting incorporates control gear, ensure careful sizing to avoid instances of nuisance tripping of the protective device used in the installation.
- Follow the provided installation instructions, using the fixings supplied or recommended.
- Keep out of reach of children.



### Specification

**Box Contents -**  
1 x PIR Sensor

<b>Dimensions:</b>	L: Ø77 x W: 61 x D: 46.5 mm Cut Out: 64mm
<b>Material:</b>	Flame Retardant ABS
<b>IP Rating:</b>	IP65 (Front Facing)
<b>Working Temperature:</b>	-20°C to 40°C
<b>Warranty:</b>	1 Year



### Installation Instructions

Cut 61mm hole in desired location avoiding heating or air con

N-Blue

L-Brown

Load

Connect neutral of the load to N, connect the live of the load to "load"

### Test:

- Turn the "TIME" knob anti clockwise to - Minimum
- Turn the "LUX" knob clockwise to the SUN for Daylight Walk Test
- Turn on the power, the sensor will turn on and heat up, 30 seconds later the detector will be ready to work, 5 to 10 seconds after the light goes out for the first time after turning it on, the load will operate
- Turn the "LUX" knob to the MOON counter-clockwise, if tested when the ambient light is more than 3 LUX, the load will not work. Adjust as required.
- The load must work by covering the detection area with an opaque object (towel, etc.), normally the load stops working within 5 to 15sec without there being any sign of movement
- **Note: When testing in daylight, please turn the LUX knob to the SUN position, otherwise the sensor lamp will not work!**

## Problems & Solutions

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### The load do not work:

- Please check if the connection-wiring of power and load is correct.
- Please check if the load is working
- Please check if the working light set correspond to ambient light.

### The sensitivity is poor:

- Please check if there are objects in front of the detection window to effect receiving the signal.
- Please check if the ambient temperature is too high.
- Please check if the installation height corresponds to the height showed in the instruction.
- Please check if the moving orientation is correct.

### The sensor cannot shut off the load automatically:

- Please check if there is continous motion in the detection area
- Please check if the time delay is set to the maximum position
- Please check if the power corresponds to the instructions
- Please check if the temperature near the sensor changes noticeably due to air condition or central heating etc.

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### Technical Changeable Parameters:

Detection Range:360°

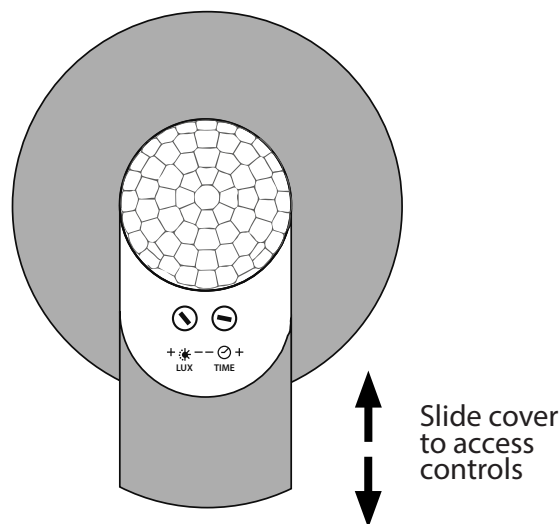
Detection Distance:Max.8m(<24°C)(adjustable)

Time Delay:10sec±3sec to 15min±2min(adjustable)

Rated Load: Max. 1000W (LED)

Ambient Light: <10-2000 LUX (adjustable)

Mounting Height: 2.2 to 4M



## Warranty

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This product has a warranty for a period of 1 year from the date of purchase. The warranty 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 warranty is also invalidated if the luminaire has been insulation tested. Should this product fail during the warranty 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. Your statutory rights are not affected. We reserve the right to alter specifications without prior notice.

## Maintenance

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- This sensor will require routine cleaning if used in adverse (dust, paint, welding, oils etc) environments. Do not use solvents, aggressive detergents or abrasives.
- When this sensor comes to the end of it's life or you choose to replace it, please do not dispose of it with your normal waste. Please recycle where the facilities exist, check with your local authority for suitable options.

INS/ACCESSORIES/0007/PIR-R360-B/V1