

# ROBUS stand alone PIR presence detector

**R360-01**

**Please read instructions before commencing installation and retain for future reference.**

## Specification:

Passive infra-red sensor switch for lighting energy saving applications, ceiling mounted indoor use only.

Protection against electric shock: Class 11: no earth required

Output load: Max 1000W 5A resistive (e.g. incandescent)  
Max 500W inductive (e.g. fluorescent)

Detection range/angle 5m max from 3m mounting height/ 360degrees

On time duration: min 10seconds (+/-5sec) to max 15min (+/-1min)

Supply: 230/240V 50Hz

Temperature range: 5°C < ta < 40°C

Light level adjustment Day to night level

Terminals suitable for cable sizes from 0.75mm<sup>2</sup> to 1.5mm<sup>2</sup>.

Suitable for mounting on normally flammable surface

Ingress protection: IP40,

Complies with EN61058-1/-12 EN55015, EN61547, EN61000-3-2/-3



## Installation:

**! Electrical products can cause death or injury, or damage to property. If in any doubt about the installation or use of this product, consult a competent electrician.**

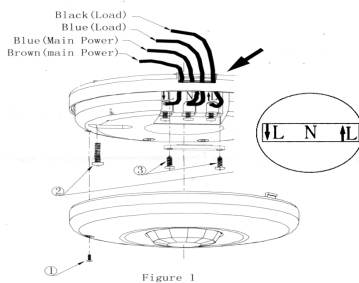
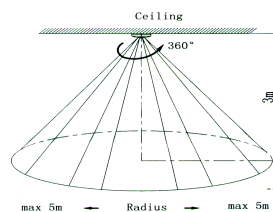


Figure 1



Detection Area

Figure 2

- 1 Ensure mains supply is switched off before commencing work.
- 2 Location:
  - a. max 3m above ground level
  - b. **Avoid:** positions close to exhaust gas flues, heat extraction vents, or heat sources to avoid false triggering. Also avoid pointing toward bright lights which may prevent operation (or cause hunting i.e. flashing lights on and off) when Lux level set for night operation. Do not mount on surfaces subject to vibration.
- 3 Check location of buried wires before drilling fixing holes.
- 4 Remove cover moulding by undoing the front locking screw and turning anticlockwise to access the terminal block.
- 5 Fix back moulding to ceiling and connect supply cables Live, Neutral to L↓ and N respectively. Connect switched live to load to terminal marked 'L↑'. Set Lux control to day position (\*) and Time to minimum (-) and fit cover for initial test.
6. Switch on mains supply: The R360 will warm-up for approx 30 seconds and then switch to auto detection mode.

Walk testing can then be carried out to determine detection area with slow walking pace. When the detector senses movement, the load will be switched on for the preset time. When finished, set light level and delay time. Turning the Lux control toward the moon position will stop switching action during bright daylight (for energy saving). Turning Time control toward + increases on-time up to 5 minutes. Note: once sensor has been triggered, subsequent detection restarts timing period from beginning, so light stays on until set time elapses after last triggering detection.

## Information for the product user

1. Please note the requirement to dispose of Waste Electrical & Electronic Equipment separately from household waste (WEEE marked with crossed out wheelie bin symbol).
2. Please consider your role in contributing to re-use and recycling by returning this product at end of life to a collection centre for waste electrical equipment or a Civic Amenity site, or to a retail outlet from which you are purchasing a replacement.
3. This equipment may contain substances that are hazardous to health and the environment if disposed of carelessly. It is important that it is separated from normal household waste and recycled in the WEEE chain
4. The "crossed out wheelie bin symbol" on a product indicates this equipment must not be disposed of in normal household waste, but should be disposed of according to local WEEE regulations.

**• The installation must be carried out by an electrician. •**

