

PRO-ELEC



Infrared Motion Sensor
Model: PELL0053

Please read these instructions carefully before use and retain for future reference.

This sensor must be installed by a qualified electrician in accordance with current building and IET wiring regulations (BS7671).

IMPORTANT SAFETY INFORMATION

- This sensor is suitable for unearthed lighting fittings (Class II).
- Check that the voltage indicated on the rating plate corresponds with that of the local network before connecting the appliance to the mains power supply.
- The sensor is suitable for connection to a 220-240V, 50Hz supply. It is designed for permanent connection to fixed wiring, which must be a suitable circuit protected by an RCD with an operating current not exceeding 30mA and an MCB or fuse of the correct rating.
- Avoid mounting the sensor close to heat sources such as heating vents.
- Avoid pointing the sensor toward objects that may move in wind.
- It is suitable for use in an ambient temperature between -20°C and +40°C.

WHAT'S INCLUDED

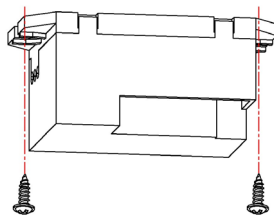
- IR Sensor.
- User manual.
- Pack of screws and wall plugs.

POSITIONING

- The sensor is suitable for mounting on plasterboard, wood or masonry possibly in a concealed location such as above a ceiling.
- Before drilling any fixing holes, check that there are no hidden obstructions behind the mounting surface such as pipes or cables.

INSTALLATION

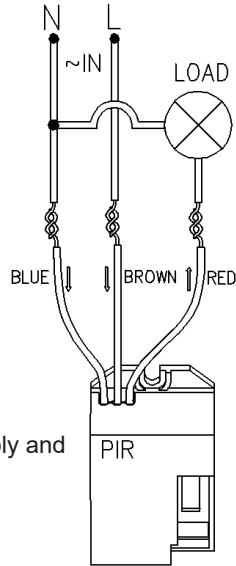
- Ensure the mains supply is disconnected or isolated.
- With regard to the location of the mains feed cable, offer the control unit to the desired location and mark the position of the two mounting holes.
- Do not install on damp or conductive surfaces such as metal. It should be placed away from any flammable materials.
- Drill the surface where marked and fit the wall plugs if required and attach the control unit into position using the two screws.



- Remove the locking nut from the sensor then drill a 12mm dia hole for the sensor and feed the wiring through the hole until the sensor is located flush then slide the nut along the wiring and screw back onto the sensor locking it into place.
- Connect the wiring plug to the connector next to the switches on the control unit.

Note: The sensor and light source should be at least 60cm apart.

- Connect the supply and load as shown:-

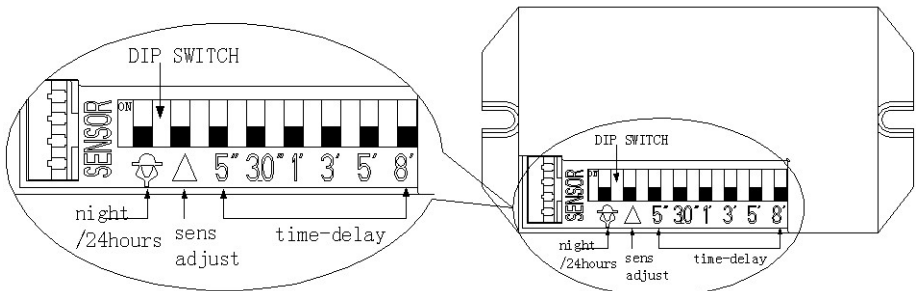


Check all the connections then restore the mains supply and adjust the switches as required.

OPERATION

- **Allow at least 30 sec for the sensor to initialise before making adjustments.**
- After initialisation, the sensor starts to work.
- If the sensor detects motion within range, the load will turn on. When no further motion is sensed the load will turn off.
- The LH switch determines whether the sensor reacts only when the ambient light level is below 10 lux (night mode) or in daytime.
- The second switch is the sensitivity setting. Use low (3m) for a small room or high (6m) for a larger room.
- The time duration before the load turns off can be adjusted using the other switches. Slide one of the 6 switches up to select the desired duration from 5 seconds up to 8 minutes.

Note: When multiple induction triggers are detected, only from the detection of the last trigger does the load timer begin.

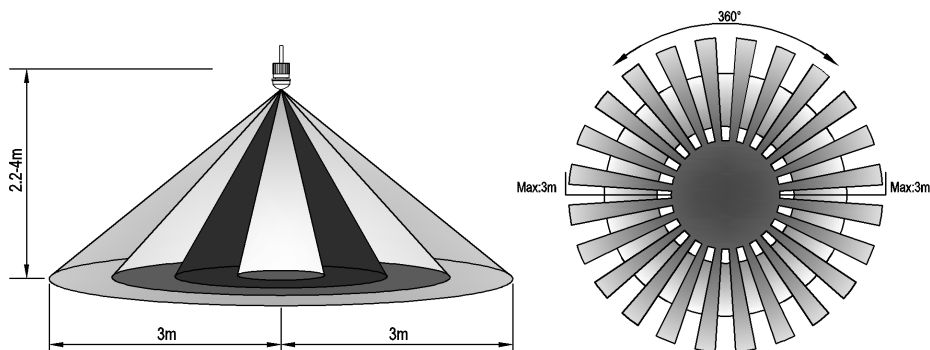


CLEANING & MAINTENANCE

- Clean the sensor only with a soft dry cloth. Do not use any chemicals, abrasives or solvents that could damage the casing or lens.

SPECIFICATION

Input Voltage	220 - 240V AC 50Hz
Power consumption	0.5W approx
Ambient light	10/2000 Lux (switchable)
Time delay	Min 5sec to Max 8 min (switchable)
Rated load	400W CF/LED ~ 800W Incandescent
Detection angle	120° / 360°
Detection range	3m / 6m
Installation height	1.8 - 2.5m (wall) / 2.2 - 4.0m (ceiling)
Ingress Rating	IP20



INFORMATION ON WASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT.

When this product has reached the end of its life it must be treated as Waste Electrical & Electronic Equipment (WEEE). Any WEEE marked products must not be mixed with general household waste, but kept separate for the treatment, recovery and recycling of the materials used. Contact your local authority for details of recycling schemes in your area.



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