Infrared Motion Sensor
Model: PELL0049
and PELL0050

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.
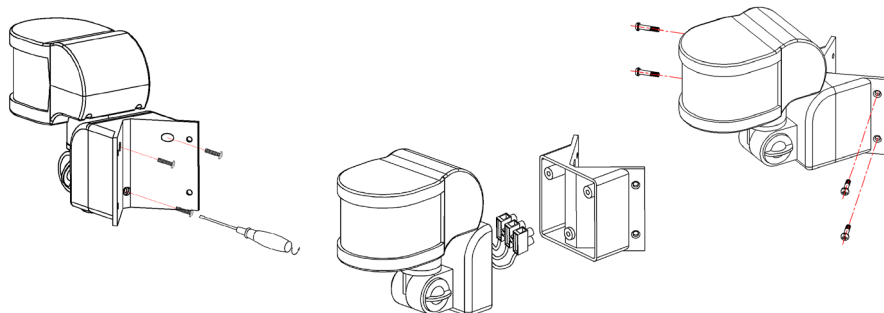
WHAT'S INCLUDED

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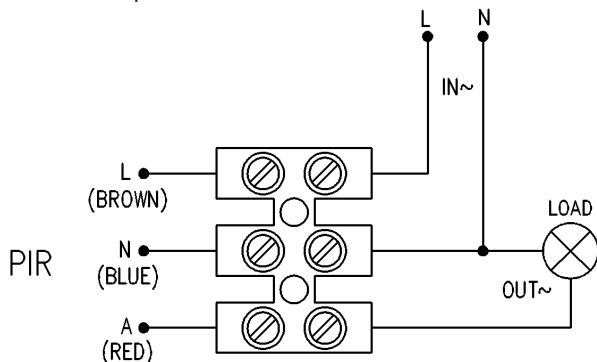- Pack of screws and wall plugs.

POSITIONING

- The sensor is suitable for corner mounting on plasterboard, wood or masonry.
- Do not install on damp or conductive surfaces such as metal. It should be placed away from any flammable materials.
- 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.
- Remove the three screws in the rear mounting and remove the mounting.
- With regard to the location of the mains feed cable, offer the mounting to the desired location and mark the position of the four mounting holes.
- Drill the wall where marked and fit the wall plugs but DO NOT attach the mounting at this stage.
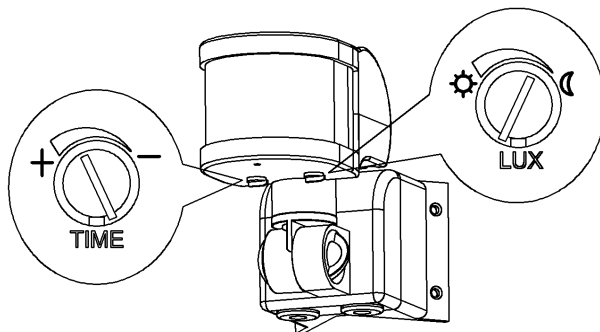
- Feed the supply and load wires through the grommets in the sensor and pass through the cable clamp and connect as follows:

- When all wires are connected locate the terminal block onto the two pins in the recess on the sensor.
- Replace the rear mounting plate and secure with the three screws.
- Attach the sensor assembly to the previously drilled and plugged holes using the four screws.
- Restore the power supply.

OPERATION

- **Allow at least 30 sec for the sensor to initialise before making adjustments.**
- There are two adjustments on the bottom of the PIR sensor, one adjusts the duration (TIME) the load device remains powered, the second one is to set the level of ambient light (LUX) before the sensor switches the load.
- Some trial and error may be required to set these correctly. Turn anti-clockwise to increase the setting.
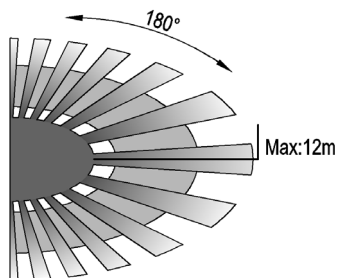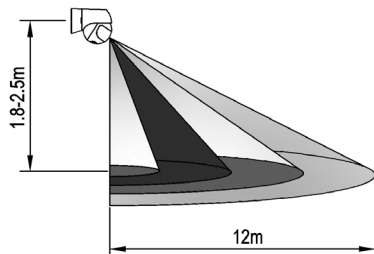

CLEANING & MAINTENANCE

- 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	<3 - 2000 Lux (adjustable)
Time delay	Min 10 sec / Max 7 min approx (adjustable)
Rated load	300W CF/LED ~ 1200W Incandescent
Detection angle	270°
Detection range	12m max
Installation height	1.8 - 2.5m
Ingress rating	IP44

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