



INSTRUCTIONS

Please read these instructions carefully before attempting to install this fitting. It is advisable to keep these instructions in a safe place for future reference. If this fitting is installed by a contractor, the contractor should ensure that the customer has a copy of these instructions.

Sensor specifications

Voltage:	230 volts AC
Max load:	100 watt maximum
Angle of detection:	100 degrees
Lux operation:	Night-time operation <15 lux or daytime in test mode
Time on:	1 min. (approx.) from initial triggering. NOTE! If triggered within this period, another 1 is added to time already run.
Manual override:	Can be activated by switching off-on off-on (twice) using the fused spur switch. This will switch light on for 5 hours.
Max. detection range:	Up to 8 metres approx. depending on weather conditions and mounting height. NOTE! The 8m detection range applies when a person is walking across the detection area, not walking towards the sensor. If a person is walking towards the sensor and 1.5m to the left or right of it, the detection range is typically between 4m and 6m
Mounting height:	1.5 to 2 metres approx.
Ambient operating temp. range:	-20° to +35° Celsius

Operation

Normal Power-up

On initial power-up there is a 30 second warm-up period which allows the PIR (sensor) to stabilize.

Walk-test Mode

During the first 10 seconds of the warm-up period (above) the unit can be put into walk-test mode by switching the mains power OFF ON OFF ON. The PIR (sensor) will now detect movement and switch the lamp on for 2 seconds duration for each detection made. This will give the user an indication of the area covered by the PIR sensor. If there is no detection for a duration of 30 seconds then the unit will automatically enter Normal Auto Mode (see below).

Normal Auto Mode

The PIR (sensor) will only detect and switch the lamp on if the ambient light indicates that it is between dusk and dawn. The lamp will be illuminated for the pre-set time of 90 Seconds (the timing is re-set if additional triggers are detected).

Manual Override Mode

With the unit in Normal Auto Mode, manual override can be activated by switching the main power OFF ON OFF ON. The lamp will now stay illuminated for 5 hours before automatically reverting to Normal Auto Mode.

Troubleshooting

When replacing the lamp or servicing the fitting, turn the power off at the mains and allow the lantern to cool.

FAULT	POSSIBLE CAUSE	SOLUTION
Unit will not work at all	<ul style="list-style-type: none">• No power• Lamp not fitted correctly or broken• Incorrect wiring	<ul style="list-style-type: none">• Check power and fuse• Check lamp• Check wiring
Unit will not work when in normal operation	<ul style="list-style-type: none">• Area too light, e.g. lighting nearby	<ul style="list-style-type: none">• Re-position lantern if required
Sensing range too short	<ul style="list-style-type: none">• Unit is fixed too high, or angle of approach into detection bands is incorrect• Other lighting interfering with the sensitivity of the PIR sensor	<ul style="list-style-type: none">• Move the unit to a lower height and/or change the angle of approach• Move lantern away from other lighting
Lamp on all the time	<ul style="list-style-type: none">• The manual override has been activated• Wrongly wired	<ul style="list-style-type: none">• Turn manual override off• Check wiring
Lamp false triggers	<ul style="list-style-type: none">• Lantern badly positioned• High winds	<ul style="list-style-type: none">• Reposition lantern• Temporary situation. If annoying, switch lantern off
Cannot operate Test Mode	<ul style="list-style-type: none">• Waited for more than 10 seconds after power-up before trying to activate	<ul style="list-style-type: none">• Switch OFF-ON OFF-ON within 10 seconds of power-up
Cannot switch off Test Mode	<ul style="list-style-type: none">• PIR is being triggered	<ul style="list-style-type: none">• Ensure nothing crosses the detection area for more than 40 seconds
If Normal Mode lamp stays on for more than 1 minute	<ul style="list-style-type: none">• PIR (sensor) has been triggered again within the 1 minute time period (see specification)	<ul style="list-style-type: none">• Light will automatically switch off approximately 1 minute after the last signal the PIR receives