

GREEN BROOK ELECTRICAL

Installation Instructions for 'Orion' Range Miniature Remote Photocell - PECR

- Remote sensing head
- This unit is of class II construction and must not be earthed.

This unit should be installed by a competent person in accordance with the current IET Wiring Regulations. If in doubt consult a qualified electrician.

Switch off the mains and isolate the supply by removing the appropriate fuse before starting the installation.

INSTALLATION

1. Carefully choose the correct position to install the photocell considering the following guide lines.
2. Where possible there should be a clear view of the sky.
3. Not pointing at the light source the unit is to control.
4. Securely fix the photocell through a 20mm clearance hole using the locking ring and gasket which should be positioned on the inside of the hole to form a water tight seal.
5. Terminate the 3 cables observing the correct connections: -

Brown = Live (Supply In)

Red = Load (Supply Out)

Blue = Neutral

OPERATING & TESTING

1. The photocell always powers up in the "On" position, if in bright daylight it will switch off within 15 seconds, normal operation will then resume.
2. To test for correct operation cover the photocell, after a short delay, 5-15 seconds, the photocell will operate and power will be applied to the load. If tested in bright day light after a similar delay the photocell will turn off the power to the load when the packing box is removed.

COMMON PROBLEMS

1. The Load stays on: -
 - The photocell is in a shady or dark position
 - The neutral is not connected
2. The Load is flashing, strobing or switching on and off repeatedly through hours of darkness:-
 - The photocell is too close to the light source it is controlling
 - "LIVE(BROWN)" & "LOAD(RED)" are reversed

Note: These photocells are LED compatible and can run up to 400 watts, the number of light fittings should be limited to no more than **10 fittings**.

TECHNICAL INFORMATION

Rated voltage:	230V AC, 50Hz
IP Rating:	IP65
Light Levels:	10 ~ 20L x ON (Dusk): 30 ~ 60L x OFF (Dawn)
Typical Load:	1000W (Tungsten) 400W (LED)
Operating Temp:	-40°C - +70°C
Max Switching Capacity:	4.5A
Switching Delay:	5-15 sec
Enclosure Material:	Polycarbonate
Leads Length:	180mm
Electrical Life:	5000 cycles
Conforms to:	EN60947-1

**PLEASE KEEP THESE INSTRUCTIONS
SAFE FOR FUTURE REFERENCE**

GUARANTEE

***Your GreenBrook Remote Photocell
is guaranteed for 1 year from
the date of purchase.***

This is in addition to your statutory rights.



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