

GREEN BROOK ELECTRICAL

Installation Instructions for 'Orion' Range Remote Photocell - PEC20

**Please read these instructions carefully
before attempting installation.**

IMPORTANT

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

SAFETY INFORMATION

- Before installation or maintenance ensure that the mains supply is switched off and the circuit supply fuses are removed or circuit breaker turned off.
- This unit is of class II construction and must NOT be earthed.
- IP65 rated suitable for external applications (When Fitted).

INSTALLATION

Carefully choose the correct position to install the photocell considering the following guide lines:-
Where possible there should be clear open view with no obstructions and situated away from the light source the unit is to control.

1. Securely fix the photocell through a 16mm clearance hole using 2 locking rings and 'O' rings which should be positioned either side of the hole with the 2 'O' rings closest to the hole to form a water tight seal.
4. Terminate the 3 cables observing the correct connections:-

Brown = Live (supply in)

Blue = Neutral

White = Load (supply out)

OPERATING & TESTING

1. The photocell always powers up in the 'On' position, if in bright daylight it will switch off within 2 minutes, normal operation will then resume.
2. To test for correct operation cover the photocell, after a short delay, 15-120 seconds the photocell will operate and power will be applied to the load. If tested in bright daylight after a similar delay the photocell will turn off the power to the load.

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(WHITE)" 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~50Hz
Rated Load:	2000W tungsten / 2 x 400W HPS/ 400W LED
IP Rating:	IP65 (when fitted)
Ambient Light:	ON <20-OFF > LUX
Maximum Switching:	10A
Dimensions:	52 x 29 x 21mm
Conforms To:	EN 60947-1

**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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