

## Orion Range - Photocells - Dusk to Dawn Switching

Greenbrooks range of photocells offer a wide selection of products for dusk to dawn switching. A photocell detects the level of light and will turn on when it gets dark.

- + **Ideal for external & commercial lighting**
- + **Kit includes head, bracket & fixing screws**
- + **Automatically switches light fittings On at dusk & Off at dawn**
- + **10 - 15 second switching delay**
- + **Part No PECH - replacement head**



**PECH1000**



**PECH**

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

**Important:**  
To extend the lifespan of the photocells, when wiring in series with a timer we recommend a volt free model such as the Greenbrook Din Rail Timer Model T80.

	<b>PEC1000</b>	<b>PECH</b>
<b>Description</b>	Electronic photocell kit with detachable sensing module	Replacement head for PEC1000
<b>Product Finish</b>	Black	Black
<b>Barcode</b>	5012739 622885	5012739 622977
<b>Switching Type</b>	Electronic relay load	
<b>Voltage</b>	220-240V AC, 50/60Hz	
<b>Max Switching Capacity</b>	7A	
<b>Sensor</b>	Photo-diode	
<b>Light Level</b>	On <20Lux Off>80Lux	
<b>Typical Load</b>	1000W Tungsten 1800VA inductive load LED Compatible 400W Max	
<b>Operating Temp</b>	-40°C - +70°C	
<b>IP Rating</b>	IP65 (when installed with suitable IP65 cable gland)	
<b>Class Type</b>	II	
<b>Switching Delay</b>	10 - 15 seconds	
<b>Enclosure Material</b>	UV stabilised polycarbonate	
<b>Power Consumption</b>	<0.25W	
<b>Electrical Life</b>	3650 cycles	
<b>Product Weight</b>	172g	91g
<b>Dimensions</b>	81mm dia x H130mm	81mm dia x H62mm
<b>Guarantee</b>	1 Year	
<b>Conforms To</b>	EN IEC 61058-1:2018, EN 61058-1-1:2016, BS EN IEC 61058-1:2018 & BS EN 61058-1-1:2016	

**Please see page 2 for Remote Module Photocells  
Part Nos: PECH & PEC20**

# Orion Range - Photocells

## - Dusk to Dawn Switching

**PECR - Photocell - Remote Sensing Head**

- + Max switching 6A
- + LED compatible 400W
- + 20mm mounting thread size with locking



**PEC20 - Photocell Remote Module**

- + Max switching 3.5A
- + LED compatible 400W
- + 16mm mounting thread size with locking



**Important:**  
To extend the lifespan of the photocells, when wiring in series with a timer we recommend a volt free model such as the Greenbrook Din Rail Timer Model T80.

	PECR	PEC20
Description	Photocell with Remote Sensing Head	Photocell Remote Module
Product Finish	Black	Black
Barcode	5012739 634482	5012739 622892
Switching Type	Thermal	Electronic relay load
Max Switching Capacity	6A	3.5A
Voltage	220-240V AC, 50/60Hz	240VAC, 50/60Hz
Light Level	10~20L x ON (Dusk) 30~60L x OFF (Dawn)	On <20Lux Off>80Lux
Typical Load	6A Tungsten 6A inductive load LED Compatible 400W Max	2.1A, 500W Tungsten 3.5A, 850VA inductive load LED Compatible 400W Max
Operating Temp	-40°C - +70°C	-40°C - +70°C
IP Rating	IP65 (when installed with suitable enclosure)	IP65 (when installed with suitable enclosure)
Class Type	II	II
Switching Delay	5 - 15 seconds	5 - 15 seconds
Enclosure Material	UV stabilised polycarbonate	UV stabilised polycarbonate
Power Consumption	<0.25W	<0.25W
Lead Length	180mm	-
Electrical Life	3650 cycles	3650 cycles
Product Weight	68g	44g
Dimensions	45 x 45 x 30mm	52 x 29 x 21mm
Guarantee	1 Year	
Conforms To	EN IEC 61058-1:2018, EN 61058-1-2:2016, BS EN IEC 61058-1:2018 & BS EN 61058-1-2:2016	EN IEC 61058-1:2018, EN 61058-1-1:2016, BS EN IEC 61058-1:2018 & BS EN 61058-1-1:2016