

## One Part Photoelectric Lighting Controller



PH841 (to be mounted with NEMA socket)

PH841-H (For Panel Mounting)

### FEATURES / BENEFITS

- ▲ Type: Electronic, Solid State
- ▲ 12 year warranty
- ▲ 25 seconds delay prevents false cycling caused by lightning flashes or stray headlights
- ▲ 230 VAC
- ▲ Load Current Capacity: 10 Amps Inductive Direct Source
- ▲ Load Handling: 3 x 400W HID
- ▲ Switch on/off ratios: 1:2, 1:1.5, 1:1, 1:0.5
- ▲ Switching levels: 70 Lux or as Customer Specification
- ▲ Power Loss During Load Handling: Negligible
- ▲ Power consumption: less than 1 Watt
- ▲ Dimensions: 3.07" diameter, 2.15" high
- ▲ Manufacturing Standard: I.S.O. 9002
- ▲ P.E.C.U. Housing: I.P. 67
- ▲ Plastics: ASTM. 953-77 & G53-84
- ▲ Electronics: B.S. 5972., B.S. 5225 Part 1
- Photo-cell Linearity / Response

### Order Information

P/N	Description	Voltage
PH841	Photo Controller to be mounted with Nema Socket	230 VAC
PH841-H	Photo Controller for panel Mounting	230 VAC
PH843	Nema Socket Standard or with water/dust-proof cap	240 VAC
PH843/S	Nema Socket for rapid installation	240 VAC
PH844	Wall or Pole mounting bracket	NA

### APPLICATION

- ▲ This range of Photocells can be used to control single or multiple obstruction lights or beacons. The controller is designed to be used for ON at dusk, OFF at dawn operation of tower and obstruction lighting in aviation service. Light Actuation Levels (Factory Calibrated) are energised at 35fc and below, and de-energised above 60fc.

### OPERATING CONDITIONS

- ▲ Temperature: -20°C to +70°C
- ▲ Electromagnetic Interference: To EN 50082-1 & EN55014

### FINISH

- ▲ UV stabilised high-impact polypropylene

## Nema Socket and Mounting Brackets

- ▲ The sockets incorporate Beryllium Copper contacts hardened to 370 Vickers, which reduce contact resistance and offer longevity.
- ▲ 100% waterproof and dust-proof breakaway tabs. PH843/S is designed for rapid installation.
- ▲ All sockets are supplied with sealing gaskets and can be supplied with waterproof /dust-proof caps.
- ▲ PH844 Bracket is manufactured from Diakon™ acrylic which has outstanding weather resistant properties.



PH844 Wall or Pole Mounting Bracket



PH843/S (Special) Nema Socket



PH843 With Cap

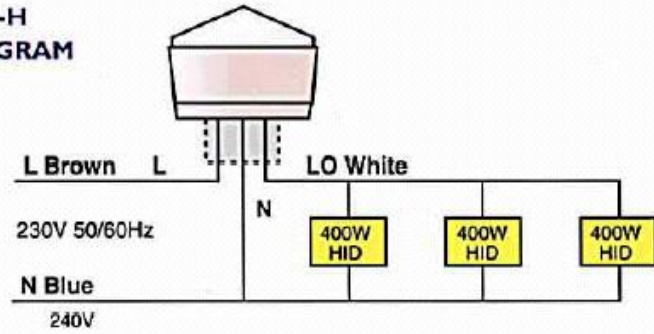
PH843 Standard

Exning Road, Newmarket, Suffolk, CB8 0AX, UK

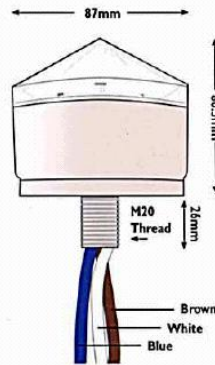
Tel: +44 (0)1638 665161 Fax: +44 (0)1638 561735 [www.dialight.com](http://www.dialight.com)

## INSTALLATION

**SELC 841/841-H  
WIRING DIAGRAM**

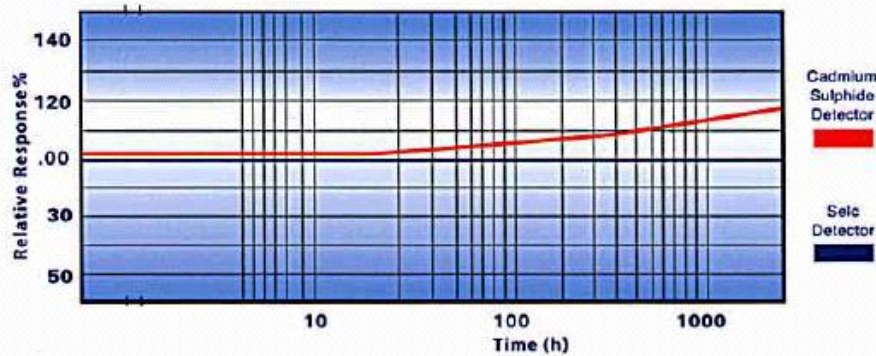


**WARNING:** This product must not be subjected to high voltage insulation testing and must be removed from the installation during insulation testing.

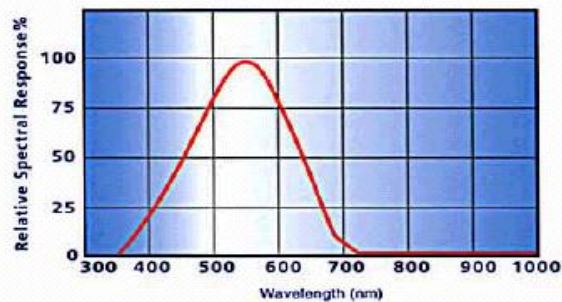


## PERFORMANCE

**SENSOR DRIFT GRAPH**



**SPECTRAL PERFORMANCE GRAPH**



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