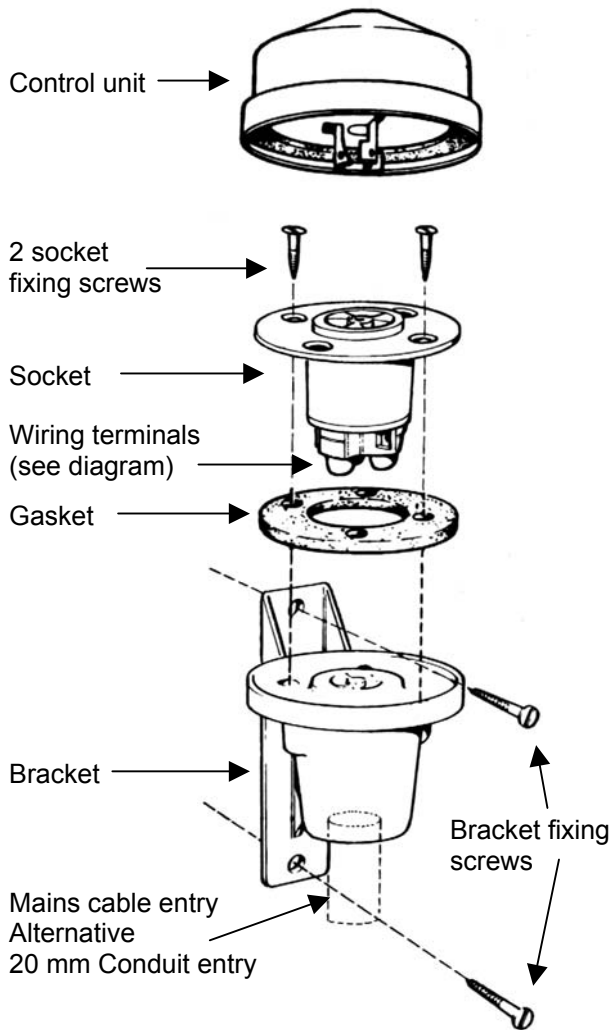




PHOTO ELECTRIC CONTROL KIT

DESIGNED TO SWITCH INDUSTRIAL AND DOMESTIC LIGHTING



Installation and Wiring Instructions for Models
SS4D, SS4ED, SS5DRHD HEAVY DUTY
and SS9 PART NIGHT CONTROL

These controls, are designed to switch a lighting load on and off automatically at dusk and dawn. The units are pre-calibrated to switch at light levels which ensure that outdoor lighting is on when required, allowing for a 10 minute warm-up period for sodium or mercury discharge lighting. They are however, suitable for use with all types of lighting, i.e. tungsten, fluorescent or discharge.

The calibration is fixed in the factory and is not variable.

The units incorporate a time delay to prevent operation by car headlights, lightning etc.

They are omni-directional and therefore reference to North light is not necessary.

Four types are available - please check the specification number and refer to the appropriate notes as follows:-

MODEL	SS4D	SS4ED	HEAVY DUTY (SS5DRHD)	SS9 Part night
SUPPLY	240 V a.c. 50Hz	240 V a.c. 50Hz	240 V a.c. 50Hz	240 V a.c. 50Hz
RATING	5 Amps resistive (e.g. GLS Lamp) 600W inductive (e.g. SON, CDMH) 60µF	5 Amps resistive 600W inductive 60µF	8 Amps resistive 1200W inductive 120µF	5 Amps resistive 600W inductive 60µF
SWITCH ON SETTING	70 Lux	70 Lux	70 Lux	70 Lux
SWITCH OFF SETTING	105 Lux	105 Lux	35 Lux	35 Lux

ADDITIONAL NOTES FOR PART NIGHT UNIT (SS9MPN)

This unit additionally switches off at approx. midnight, and if still dark on again at approx. 5.30 a.m. G.M.T. Use of dedicated integrated circuit means there is no clock requiring setting, time being calculated from dusk and dawn, install as standard unit. The unit takes three or four nights to establish midnight (approx.) and 5.30 a.m. in the integrated circuit memory. The first night it will operate all night. Note if supply is interrupted the memory is erased and it takes three more nights to establish timing. Some manufacturers' sockets have been found to lose contact for short periods, enough to erase the memory. It is for this reason that the unit is sold complete with socket if using Photocell in lantern already fitted with socket check that the socket is the same as that supplied, or alternatively change the socket in the lantern.

INSTALLATION PROCEDURE

MUST BE INSTALLED BY A COMPETENT PERSON

Separate the three units - the base holder and bracket, the socket and control unit.

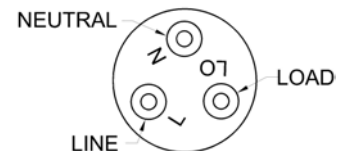
HANDLE THE CONTROL UNIT CAREFULLY TO PREVENT DAMAGE

1. Choose a suitable site for the control as follows:-
 - a) Avoid a position where direct light from any lighting unit can fall on the control.
 - b) Mount out of reach of non-authorized persons.
2. Drill two mounting holes for base holder using the bracket as a template and fix to wall or post. (No. 8 masonry drill for the No. 8x1" woodscrews provided). Holder will accept 20mm conduit fittings as an alternative to plain cable entry.

Ensure that cable used is suitable for outdoor use and of adequate current carrying capacity.

3. Isolate the supply and wire up the NEMA socket to the following diagram:-

NOTE: Lo is the switched live lead, (live only during darkness), use as phase supply to control gear, or alternatively a contactor coil if the load is in excess of control rating.

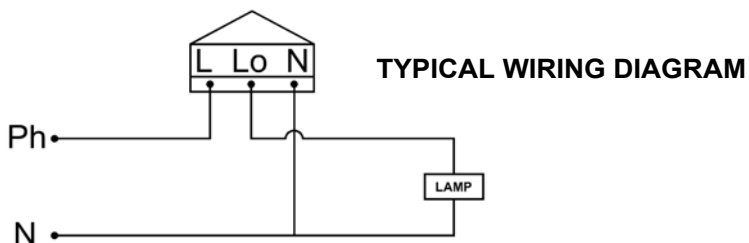


4. Fix the socket, into the holder using two No. 8x5/8" CSK woodscrews provided - ensuring the gasket is fitted beneath flange of the socket.
5. Plug in the control unit - the large pin into the large slot - ROTATE CLOCKWISE to Jock into position.
6. Test by covering cell completely with **opaque cover**, e.g. black plastic bin bag (in bright conditions several layers will be required); wait for 20-40 seconds, for time delay to take effect. Remove cover to check switch off action.

PLEASE RETAIN THIS SHEET FOR FUTURE REFERENCE

IMPORTANT:

CELL IS STILL LIVE WHEN LAMP IS OUT THEREFORE, ALWAYS ISOLATE SUPPLY TO THE CONTROL BEFORE REMOVING PLUG-IN UNIT OR SOCKET OR INDEED BEFORE CARRYING OUT WORK OF ANY DESCRIPTION ON THE INSTALLATION. IN THE EVENT OF BREAKAGE OF THE CONTROL COVER - ISOLATE CONTROL IMMEDIATELY FROM SUPPLY BEFORE UNPLUGGING - TAKING CARE TO AVOID ANY SHARP EDGES THAT MAY REMAIN.



GUARANTEE: This unit is guaranteed for 12 months against faulty components or workmanship.

Kit Contains:-

- 1 - Photo Electric Control: SS4D, SS4ED, SS5DRHD, SS9
- 1 - NEMA Specification socket, L415
- 1 - Gasket
- 1 - Bracket
- 2 - No. 8x5/8" CSK woodscrews
- 2 - No. 8x1" woodscrews
- 2 - No. 8 masonry fixing plugs



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