

Photocell Timer Switch

IMPORTANT

Please read the instructions fully before attempting installation

This unit should be installed to current IEE wiring regulations.

Before starting any electrical work switch of ALL electricity supply

The Lowenergie™ Photocell Timer Switch is an energy saving and convenient auto lighting control; easy to unplug the sensor head to adjust the time settings when required.

This switch has been specially designed for some residential or workplace property which do not need lights on for some time during the night.

Technical Data

- Power Source: 220-240v
- Power Frequency: 50~60Hz
- Power Current: 10A
- Max Wattage: 1800w for incandescent / 500w LED, Energy Saving & Fluorescent
- CE: Approved and Marked
- Turn on 10-30 Lux
- Switch off at 60-90 Lux

The kit consists of 3 parts-

- Control Unit
- Socket
- Base holder/bracket.

Installation Instructions:

Before starting any electrical work please switch off ALL electricity supply

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

1. Choose a suitable site for the control as follows:

- Avoid a position where direct light from any lighting unit can fall on the control.
- Choose a position out of direct sunlight if possible – this is not essential but is desirable.
- 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. Holder will accept 20mm conduit fittings as an alternative to plain cable entry.

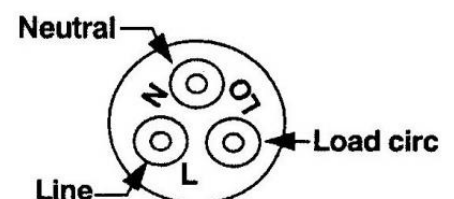
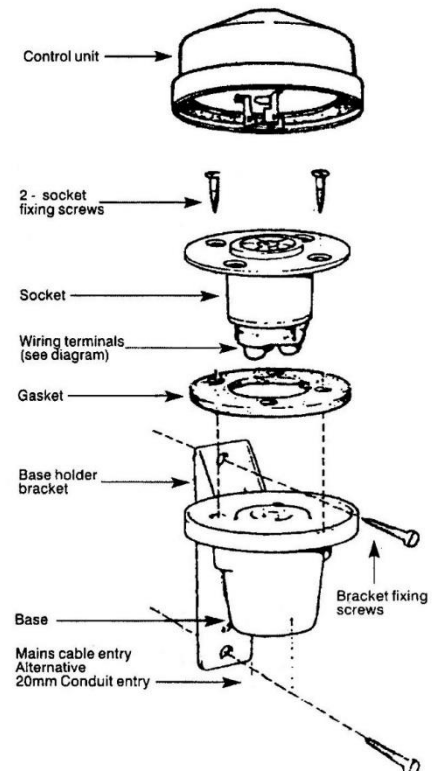
ENSURE THAT CABLE USED IS SUITABLE FOR OUTDOOR USE AND OF ADEQUATE CURRENT CARRYING CAPACITY

3. Wire up the NEMA socket to the following diagram:

4. Fix the socket into the holder using two screws ensuring the gasket is fitted beneath flange of the socket

5. Set timer as per operation instructions.

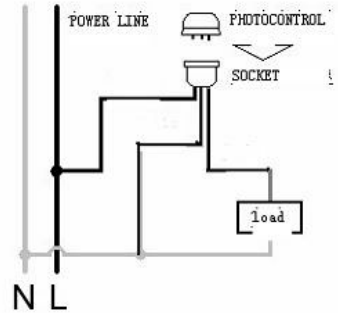
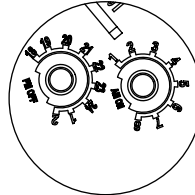
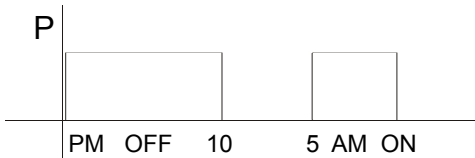
6. Plug in control unit: the large pin into the large slot ROTATE CLOCKWISE to lock into position.



Operation Description

On at Dusk; off 12pm; on 5am, off at dawn – Time settings are adjustable

1. When at dusk, the light sensor will turn the lamp on at set LUX level.
2. **Lighting can be turned off at the pre-determined time:** When lighting turns on at dusk, you can then set the time by **“PM OFF”** time by adjustment of the screw beneath the photocell head. This will turn lighting off at the pre-determined time. For example, you can set the time to about 9PM, then it will turn the lights at about 9 o'clock at night.
3. **Turn-on of pre-determined time:** The **“PM OFF”** function is to turn-off lighting at night, but if you want to turn-on the lamp again before dawn, you can set the time by **“AM ON “** adjustment screw. For example, you can set the time about 3 AM, and then this time switch will turn lighting on at about 3 o'clock until photocell sensor detects adequate natural day-lighting at dawn.
4. **Turn-off in morning:** If there is no requirement for the lights to come on in the morning, then the AM on time can be set to a late AM time. The LUX brightness level of natural day-lighting will be brighter than the Lux of turn-on, therefore lights will not come on in the morning.
5. **Lighting all night.** Overlap the PM off and AM on times. Set the AM ON time to 1 am and the PM off time to 2am, then lighting will stay on all night.



Operation Instructions

1. Set the **“PM OFF”** time using the adjustment screw. Choose from the 6pm to 2am.
2. Set the **“AM ON”** time using the adjustment screw. Choose from the 1am to 8am.
3. Positioning of the photocell timer - for illuminating a covered area, install this photocell timer below the covered flat roof shaded from full day-lighting or the LUX ON switching light level maybe too dark for required purpose, for illuminating a non covered area fit photocell below open sky to allow full day-lighting through the sensor window.
4. After power on, the lights will stay on for 20-30 seconds.
5. When changing the time settings after installation, the photocell can remember the stored day-lighting cycle times for a few minutes, after this the unit will have reset and require time to learn the daylight cycle.

NOTE:

- **In the first 5 days**, the photocell timer must be left totally untouched, this is to allow it to learn day-lighting cycle. It may act as normal photocell during this period – the microprocessor learns the natural day-lighting cycle. If workplace or public lighting is essential, then a manual override switch maybe required for lighting whilst this photocell switch learns the day-lighting cycle.
- The internal microprocessor will automatically adjust to seasonal changes in day/night length.
- The turn on and off times will vary slightly due to natural changes in natural day-lighting often caused by sunny/ overcast weather.
- Clock based on GMT/UTC time. May need to be adjusted in British summer time.
- This unit has an audible noise – this is perfectly normal; it is the processor.

Guarantee

This Photocell Timer is guaranteed for a period of 12 months from date of purchase.

Please retain for future reference

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