

## PCMINI - MINIATURE PHOTOCELL KIT

### Description:

5A Photovoltaic switch used for street light, gardens, gates entrance lights, show windows, shops and sign boards and illuminations.

- Save energy by turning ON/OFF the lights at dusk and dawn automatically.
- Easy installation to lighting fixtures, light poles etc.
- Particularly useful in space limited situations



PCMINI

## OTHER ADDITIONAL INFORMATION

### Electrical Connection:

For incandescent lamp, connect black wire and white (common) to power source, Red wire and White to lamp load.

### Caution:

The control unit may be damaged by disconnecting.

### Mounting hole diameter:

18mm

### Technical Information

**Rated Voltage:** 220V-240V, 50/60Hz

**Max Switching Capacity:** 5A

**Switching Delay:** 3-7 Seconds

**Light Levels:** 2-100 Lux

**Working Temperature:** (-20°C to 50°C)

**Max Load for Incandescent Lamps:** 600W

**Max Load for LED lamps:** 300W

Turn ON at approximately 10-30Lux

Turn OFF at approximately 100-150Lux

## Installation

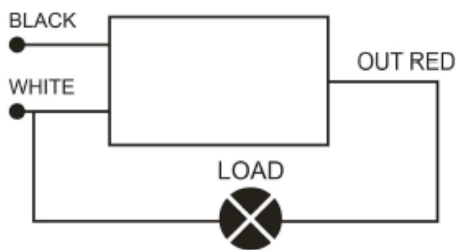
This unit should be installed by a competent person in accordance with the current IEE Wiring Regulations. If in doubt consult a qualified electrician.

**Always turn OFF the main switch and circuit breaker before starting the installation.**

Carefully choose the correct position to install the photocell considering the following guidelines:

1. Where possible there should be a clear view of the sky
2. Do not point the photocell eye directly towards the sun
3. Avoid pointing at the light source the unit is to control
4. Securely fix the photocell through an 18mm clearance hole using the locking ring and gasket. The gasket should be placed close to the hole, then the locking ring over the top to form a water tight seal.

Follow these instructions to connect this sensor with the main circuit and your light:



### Mini Photocell:

RED - LOAD  
WHITE - NEUTRAL  
BLACK - LINE

## Additional Notes

This photocell sensor unit is designed to automatically switch on and off a lighting load at dusk and dawn. This unit is designed to work with all types of lighting instruments such as incandescent, fluorescent, LED, tungsten, sodium and mercury discharge lighting.

This unit is designed with a slight delay (3-7 seconds) to avoid confusion caused by accidental light such as drive-by vehicles, flashlights, or thunder bolt. This photocell unit is omni-directional. It is not necessary to install the sensor unit towards a certain direction.

During installation, the electrical load controlled by this photocell unit will initially stay on if the installation is performed during daylight hours. Allow a few minutes for the unit to operate properly. To test the sensor during daylight installation, please cover the photo eye completely then wait (up to 7 minutes due to pre programmed delay) for the load to kick in. If the light is not on, switch OFF the main electrical circuit (and the circuit breaker if need be) and wait another 10 minutes. Switch the circuit back on and the light should be working properly.