

Surface Mounted Outdoor Photocell Unit (12v) – LWPC12

Installation and Wiring Instructions

Please read these instructions carefully before installation and retain for future reference

SPECIFICATIONS:

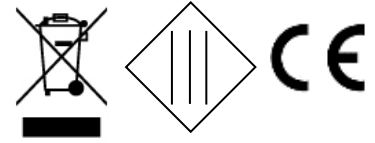
Voltage: 12v AC / DC **NOT SUITABLE FOR USE WITH MAINS 240V**

Maximum Wattage: 50W LED / 25W Energy Saver / 100W Incandescent

IP Rating: IP65

Sensor: Photocell (Dusk to Dawn)

Switch on / Switch off: 10-30 lux / 60-90 lux



Producer Registration Number:

WEE/KC3440XY

ADDITIONAL INFORMATION:

Time Delay: 10 minutes (prevents interference from car headlights, lightning etc.)

Light Detection: Omni-directional (360°)

Suitable for use with all types of 12v lighting, i.e. LED, halogen, energy saving

Base will accept 20mm conduit as an alternative to M20 gland cable entry

INCLUDED:

1 x 12v Control Unit (clear)

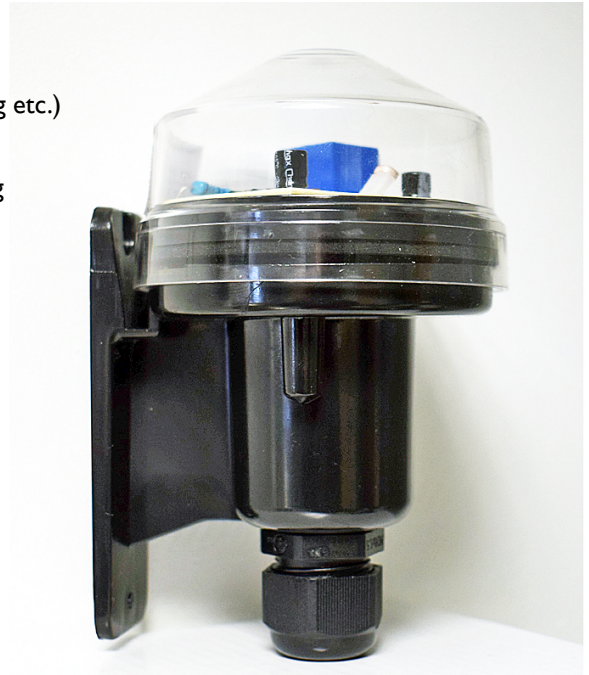
1 x Socket / Terminal Block

1 x Base Holder / Bracket

1 x Testing Bag

1 x M20 Cable Gland

2 x Mounting Screws & Plugs (8mm x 1")



WARNING:

DO NOT USE WITH 240V MAINS – 12V ONLY (TRANSFORMER MAY BE REQUIRED)

This photocell must be installed by a competent person. If in doubt consult a qualified electrician

Disconnect the 12v power source prior to commencing installation or should the need to remove the control arise

Ensure other persons cannot restore the electrical supply without your knowledge

This Photocell itself is 12v and double insulated, therefore does not need to be earthed

Photocell Lux (light level) is factory pre-set and cannot be adjusted

DO NOT overload the photocell

DO NOT submerge in water

Handle with care to prevent damage. Cease use immediately if damage occurs and disconnect power supply

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

Mount out of reach of non-authorized persons

CLEANING:

Disconnect the power and wipe the photocell control unit with a damp, soft cloth.

RECYCLING & DISPOSAL:

Under the WEEE Directive, waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice and waste disposal sites.

TECHNICAL ADVICE:

If you require any technical assistance, please contact Lumena Lights Ltd:- Tel: 01327 871161 Email: sales@lumenalights.com

INSTALLATION:

1. Separate the base holder / bracket, socket and control unit (see diagram A). To remove control unit, rotate ANTI-CLOCKWISE to unlock and unplug by pulling upwards.
2. Choose a suitable mounting position within a 12v lighting circuit. Avoid areas where direct light from any light fitting can fall on the control, ideally out of direct sunlight if possible (recommended but not essential).
3. Drill two mounting holes for the base holder with an 8mm drill bit using the bracket as a template. Fix the bracket to the surface with the supplied plugs and screws.
4. IF USING A CABLE GLAND: Attach the M20 cable gland by pushing up into the cable entry hole and secure with the locking nut inside the base. Push the input (power) cable and output (fitting) cable through the cable gland so that plenty protrudes from the top of the base for ease of wiring. Once wiring is complete (see next step), tighten the cable gland (twisting the external section clockwise) to secure the cables in place.
5. IF USING 20MM CONDUIT: Fit the conduit via the cable entry hole at the base. Pull the input (power) cable and output (fitting) cable through the conduit so that plenty protrudes out the top of the base for ease of wiring (excess can be pushed back into the conduit).
6. Wire the 3 x terminals on the socket: Live In (L), Live Out (LO), Neutral (N) - see diagram B. **NOTE:** LO is the switched live terminal and is only live during darkness. This is used as a phase supply to the photocell. The Neutral Terminal will house both the power supply and fitting cables.
7. Replace the socket into the holder and fix in place with the two screws (removed in step 1) ensuring the gasket is fitted beneath the flange of the socket.
8. Plug in control unit – the large pin (N) must align with the largest slot. Rotate CLOCKWISE to lock into position.
9. Test by covering the Photocell Control Unit completely with black testing bag included or alternative opaque cover. Wait for 40-60 seconds for the time delay to take effect and the light to illuminate, then remove cover to check the fitting switches off.

