

• • CDS-E

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Congratulations on your purchase of this high quality Esylux product. To ensure that it works perfectly, please read carefully through these operating instructions and retain them so that you can refer back to them if necessary in the future.

1 • SAFETY INFORMATION



CAUTION: Work on the 230V mains circuit to be carried out by authorised electricians only, observing all standard national installation regulations. Before installing the product, switch off the mains supply!

The product is designed for appropriate use only (as described in the operating instructions). It must not be altered, modified or painted, otherwise all warranty claims become null and void. The appliance must be checked for damage as soon as it is unpacked. If it is damaged, it must not be used under any circumstances. If there is any reason to assume that safe use of the appliance cannot be guaranteed, then you must stop using it immediately and take measures to ensure that it cannot be inadvertently used again.

2 • DESCRIPTION

The Esylux CDS-E is a twilight switch designed for retrospective fitting into outside lights and distribution boxes (fig. 1). A built-in sensor detects the brightness level in the surrounding area. Whenever this falls below a preset level, the CDS-E automatically switches the light on, switching it off again automatically when the surrounding brightness level climbs back above this threshold.

3 • INSTALLATION / FITTING / CONNECTION

Turn off the mains power supply before installing the product. When fitting the twilight switch into a light, make sure that the light's protection type and class are not changed. In order to avoid it being affected by the light itself, the sensor should be mounted as far as possible underneath the lamp holder (fig. 2).



NOTE: The light sensor's cable must not be lengthened!

Drill a 12mm diameter hole in the casing (fig. 3). Secure the light sensor as illustrated (fig. 4). Fit the working part inside the casing of the light as far away as possible from the bulb. To do this, use the fitting clips or adhesive pad supplied (fig. 5).



NOTE: When fitting the CDS-E into enclosed lights do not use bulbs of over 40 W. Higher output levels generate high temperatures and at over 70°C can cause irreparable damage to the CDS-E. Pay attention, therefore, to the operating temperature range indicated.

Connect the twilight switch's connecting cables as per the wiring diagram (fig. 6). Make sure that once fitted the switch is protected from contact with other objects.

4 • GETTING STARTED AND SETTING THE SENSOR

Switch on mains power. Using the potentiometer you can now set the desired light exposure level. The red LED will help you make this setting (fig. 7). When the time for the light to come on has been reached (e.g. dusk), turn the potentiometer slowly towards the 'moon symbol' until the red LED lights up. The exposure level you have now set corresponds to the actual surrounding light and the CDS-E is ready for use.

FIG. 1

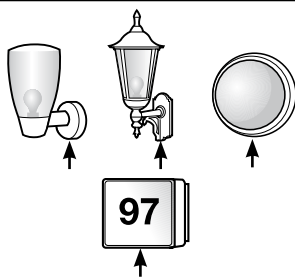


FIG. 2

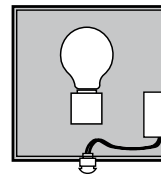


FIG. 3

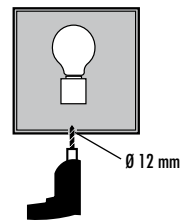


FIG. 4

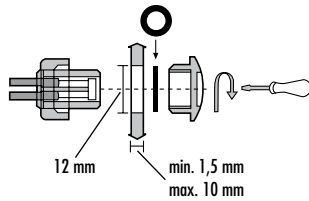


FIG. 5

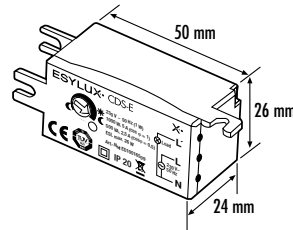


FIG. 6

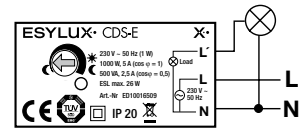
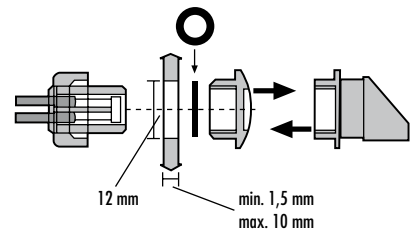


FIG. 7



FIG. 8



NOTE: Please note that there is a delay of about 60 seconds after the LED lights up before the light connected to the sensor comes on. This switching delay of about 60 seconds stops the light switching on or off when not necessary, e.g. if the sensor is triggered by a car's lights briefly shining onto it or by a dark cloud.

5 • PRACTICAL TIPS

Light starts to flash (ON and OFF).

Depending on the light's design and what it is made of the sensor can be affected by the light itself. This can also happen if it is mounted on a light coloured wall. In this case, replace the clear cover with the angled cover provided (fig. 8). Align the angled cover in such a way that sufficient daylight can shine through the opening.



NOTE: Make sure that no light from any other source can get onto the sensor (e.g. neighbour's lights/street lights).

• TECHNICAL DATA

MAINS VOLTAGE	230 V ~ 50 Hz
LIGHT EXPOSURE RANGE	c. 5 - 300 Lux
SWITCHING DELAY	c. 60 secs.
SWITCHING CAPACITY	1000 W, 5 A cos φ = 1 500 VA, 2,5 A cos φ = 0,5 ESL max. 26 W
OPERATING TEMPERATURE RANGE	-25 °C...+70 °C
PROTECTION TYPE	Working part IP 20, sensor cover IP 44
PROTECTION CLASS	II
SYMBOL OF TEST APPROVAL	TÜV
COLOUR	white, similar to RAL 9010

Technical and design features may be subject to change.

