

Variants

As DANLERS design and manufacture in the UK, variants can be supplied, coded by the following suffixes, applied in this order:

- 12V or 24V 12V or 24V ac or dc operation
- VF Volt Free contacts
- NC Normally Closed contacts
- G or LG Gold or Logic Gold contacts

The details of these variants are covered by an enclosed variant addendum if applicable.

Trouble shooting

The lamp switches off about 5 seconds after it switches on.

- To much artificial light is entering the dusk switch.

The lamp switches on too early in the evening.

- Move the Lux adjuster further towards clockwise.

The lamp switches on too late in the evening.

- Move the lux adjuster further anticlockwise.

The TWSW stops working.

- Ensure the unit is mounted correctly so that no water can enter.

Precautions and Warranty

This product conforms to BS EN 60669-2-1.

Please ensure the most recent edition of the appropriate local wiring regulations are observed and suitable protection is provided e.g. 6 amps over current, 1kV over voltage. Please ensure that this device is disconnected from the supply if an insulation test is made.

This product is covered by a warranty which extends to 5 years from the date of manufacture.

Products available from DANLERS

- PIR occupancy switches • Daylight linked dimmers • Manual high frequency dimmers
- Photocells • Radio remote controls • Time lag switches • Outdoor security switches
- Dimmers • Heating, ventilation and air-conditioning controls • Bespoke / O.E.M. products

Please call for more information or a free catalogue.

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Twilight Switch

TWSW

DANLERS Twilight Switch can be surface mounted onto an external wall. The TWSW will switch a lamp load on during the hours of darkness. The light level at which the lamp will switch on and off is set by a lux adjuster.

Loading

The TWSW should only be connected to a 230V 50Hz ac supply.

It can switch the following type of loads:

- 6 amps (1500W)
Incandescent or mains halogen lamps
(recommended with integral safety fuse)
- 4 amps (1000W)
Electronic or wire wound transformers.
Fluorescent lamps (high frequency or soft start)
- 2 amps (500W)
Compact fluorescent or LED lamps (about 50 lamps)
- 1 amp (250W)
Most metal halide lamps and fans.

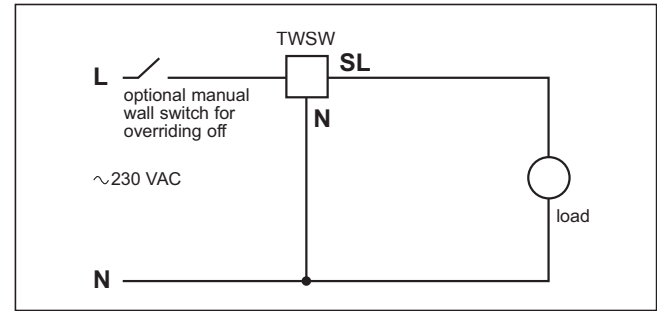
Installation procedure

1. Please read these notes carefully before commencing work.
In case of doubt please consult a qualified electrician.
2. The switch should be sited such that it can receive more daylight than artificial light. Ensure that any artificial lights are not too close to the switch or shining into it.
3. The switch must be mounted via the four pre-formed holes only, no additional holes should be drilled through the enclosure. The spindle must point downwards, with room below to adjust it.
4. Make sure the power is isolated from the circuit.
5. The detector should be connected as shown in diagram A
L Live in
N Neutral in
SL Switched Line out.
6. Once the wiring has been completed and verified, switch on the supply and test the operation.

Lux set-up

The LUX is best set up when the ambient light is at approximately the level at which you wish the lamps to switch on at. With the external LUX adjuster set fully clockwise (Dark) wait for the lamps to switch off. Rotate the LUX adjuster slowly anticlockwise (Dark to Light), at each new position wait about 5 seconds for the TWSW to react to the change and continue until the lamps switch on (diagram B).

A: Wiring diagram



B: Lux adjustment

