



ST2 night switch



The ST2 night switch generates substantial energy savings thanks to the smart and standalone management of illuminations (fixed or temporary) and non-critical lighting.

Very simple to install and use, compact, easily integrated into the junction box.

ADVANTAGES

Very quick return on investment on all fixed and temporary illumination applications or certain types of non-critical lighting.

TECHNICAL CHARACTERISTICS

Casing

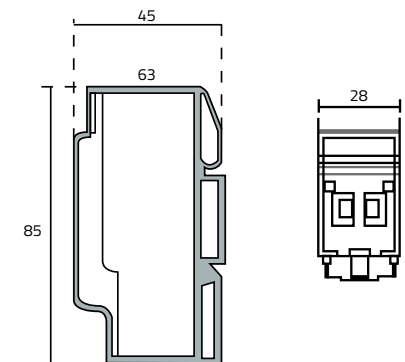
- Self-extinguishing polyamide casing.
- IP2X in accordance with EN 60529.
- -25°C to $+60^{\circ}\text{C}$.
- To be placed on DIN 35 rail.

2 LED indicators

- Green on: energised, contacts closed.
- Red on: temporary night shut-down.
- Red LED flashes when switched on: switch function activated.

2 LED indicators

- Double-pole galvanic switch.
- Rated voltage: $230\text{V}_{\text{AC}} - 50/60\text{ Hz}$.
- Rated current: 6 A.
- Rated output ($\cos\phi = 1$): 1,380 W.
- Rated output ($\cos\phi = 0.4$ to 0.8): 650 W to 1,380 W.
- Rated voltage: $200\text{V}_{\text{AC}} - 255\text{V}_{\text{AC}}$.
- Power consumption $< 1.2\text{ W}$.
- Input connection: pre-wired (2 wires, 1.5 mm^2).
- Output connection: 2 terminals 4 mm^2 .
- Lifespan: 100,000 operating cycles.



OPERATION

Standalone module requiring no external command.

Three possible working modes:

Standard mode: stops and restarts the power at fixed, pre-programmed times.

The off and on winter times are chosen by the user.

They are pre-programmed in-factory with the exact geographical coordinates of the site.

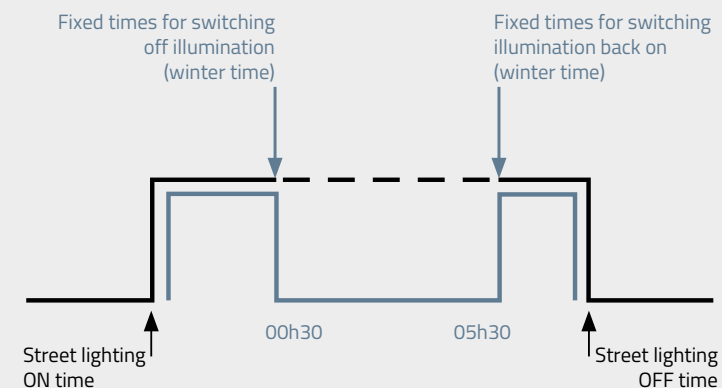
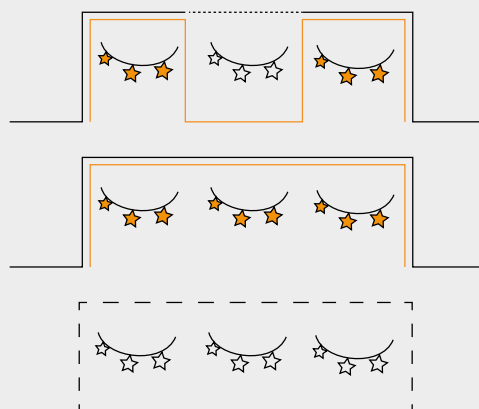
Two nights of operation are required to become fully standalone at the pre-defined times:

- Geographical accuracy: ± 15 min (depending on location and type of SL control).
- Accuracy between ST2 on the same installation: ± 1 sec.

Permanent mode: on-site inhibition of the energy-saving function possible using a simple ON/OFF protocol.

Can filter possible daylight start-ups.

Off mode: sleep option (permanent OFF) for periods of non-illumination by simple on/off protocol from the cabinet.



INTEGRATION INTO JUNCTION BOXES AND PROTECTION

The ST2 switch easily fits onto a DIN rail in most Class 2 boxes and cabinets: wired in series as a switch, downstream of the protection.

