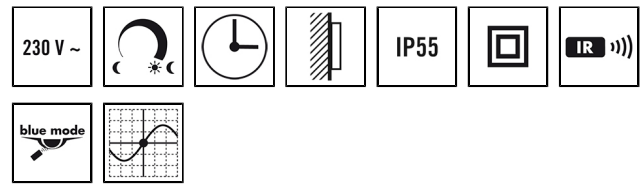


DEFENSOR TS T IR 1C IP55 WH

Item number ED10025464
GTIN 4015120025464



Product description

- Twilight switch with time switch
- Time-dependent operating modes can be selected
- Password protection against unauthorised parameterisation
- Factory settings ensure immediate operability
- Easy to configure using the ESY Pen and ESY app

Offers special product features like:

- Time-dependent operating modes
- Simple parameterisation, remote control and documentation with ESY-Pen and ESY-App

Technical data

| GENERAL | |
|---------------------------------|---|
| Device category | Twilight switch |
| Product information | Please note the Explanation of circuit breaker in the download area of the product! |
| User interface | IR remote control |
| Remote controllable | ✓ |
| Conformity | CE, EAC, RoHS, WEEE |
| Warranty | 5 years |
| ATTACHMENT | |
| Installation type | Surface mounting |
| Installation position | Wall |
| Installation dimension | Installation length: 108 mm x Installation width: 92 mm x Installation depth: 46 mm |
| Type of connection | Push terminal |
| Connectable wire cross section | 0.2.50 mm ² |
| Number of contacts | 5 |
| HOUSING | |
| Dimensions | Length 108 mm x Width 92 mm x Height/Depth 46 mm |
| Weight | 172 g |
| Material | UV-resistant plastic |
| Protection type | IP55 |
| Permissible ambient temperature | -25 °C...+50 °C |
| Relative humidity | 10 – 90 %, non-condensing |
| Impact resistance | IK07 |
| Colour | white, similar to RAL 9003 |

| ELECTRICAL VERSION | |
|--------------------------------------|---|
| Control system | ON/OFF |
| Protection class | II |
| Nominal voltage | 220 – 240 V ~ / 60 Hz |
| In-rush current | 800 A / 200 µs |
| Stand-by consumption | < 0.5 W |
| SENSORS | |
| Light measurement | Daylight |
| Level of brightness | 2 – 500 lx |
| CHANNELS (LIGHTING / HVAC) | |
| Number of light channels | 1 |
| Push button input lighting | 1 |
| Push button input HVAC | – |
| Slave input | – |
| Switching delay from "dark to light" | 180 s |
| Switching delay from "light to dark" | 60 s |
| Integrated timer | ✓ |
| Channel | C1 Lighting |
| Function | Switching |
| Switching capacity | 230 V/50 - 60 Hz 2300 W / 10 A (cos phi = 1), 1150 VA / 5 AX (cos phi = 0,5) 600 W LED |
| Switch contact | make contact / non-floating |
| Push button input | ✓ |

DEFENSOR TS T IR 1C IP55 WH

| Item number | GTIN |
|-------------|---------------|
| ED10025464 | 4015120025464 |

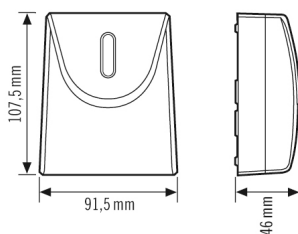
Factory settings

| GENERAL | | CHANNELS (LIGHTING / HVAC) | |
|-------------|-------|---|-----------------|
| Sensitivity | 100 % | Channel | C1 |
| | | Operating mode | Twilight switch |
| | | Level of brightness/switching threshold | 20 lx |

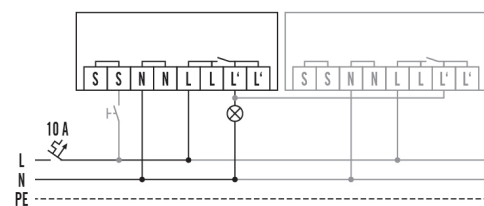
Accessories

| Product designation | Item number | Product description | GTIN |
|------------------------------|-------------|--|---------------|
| Adapter | | | |
| DEFENSOR SPACER WH | EM10025426 | Spacer for DEFENSOR series, white | 4015120025426 |
| Mounting | | | |
| DEFENSOR EDGE MOUNTING WH | EM10025419 | Corner bracket for DEFENSOR series, white | 4015120025419 |
| Remote control | | | |
| ESY-Pen | EP10425356 | ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management | 4015120425356 |
| DEFENSOR REMOTE CONTROL USER | EM10025495 | IR remote control for end users of the DEFENSOR series: Setting the level of brightness, the switch-off delay time (5 or 15 minutes) and light ON/OFF for 12 hours | 4015120025495 |

Dimension drawing



Circuit diagram



Standard with optional control via a closing button and parallel wiring of max. ten devices.

Detailed product description

- Daylight-dependent switching of outdoor lighting
- Time-dependent operating modes
- Password protection against unauthorised parameterisation
- Factory settings ensure immediate operability
- High overvoltage protection (surge 2 kV, burst 4 kV)
- Simple installation thanks to the large wiring space and push terminals up to 2.5 mm²
- Through-wiring thanks to double diaphragm line entry, including for earthing cable with a diameter of 15 mm
- Easy to configure using the ESY Pen and ESY app
- Switching delay prevents switching errors due to temporary variations in brightness, such as those caused by weather conditions
- Zero-cross switching for LED switching that protects the relay
- Switch input
- Impulse feature
- Special bracket for mounting on inner and outer corners, available as accessory