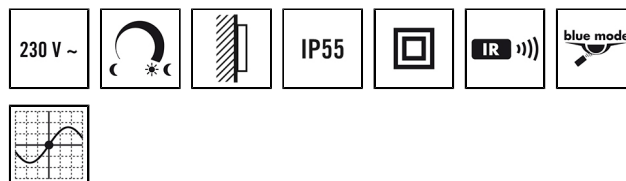


DEFENSOR TS IR 1C IP55 WH

Item number ED10025471
GTIN 4015120025471



Product description

- Twilight switch with 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:

- 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	0.50 – 2.50 mm ²
Number of contacts	5
HOUSING	
Dimensions	Length 108 mm x Width 92 mm x Height/Depth 46 mm
Weight	171 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 ~ / 50 - 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
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	✓

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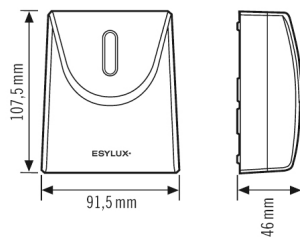
Factory settings

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

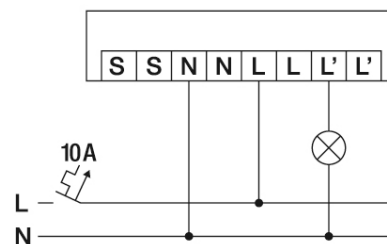
Accessories

Product designation	Item number	Product description	GTIN
Mounting			
DEFENSOR EDGE MOUNTING WH	EM10025419	Corner bracket for DEFENSOR series, white	4015120025419
DEFENSOR SPACER WH	EM10025426	Spacer for DEFENSOR series, white	4015120025426
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

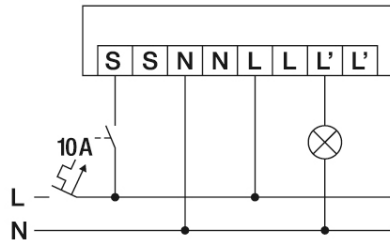


Standard operation

DEFENSOR TS IR 1C IP55 WH

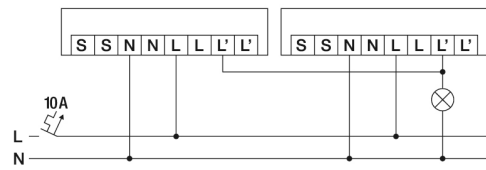
Item number **GTIN**
ED10025471 4015120025471

Circuit diagram



Standard operation with additional control by means of a button

Circuit diagram



Parallel wiring of max. 10 twilight switches