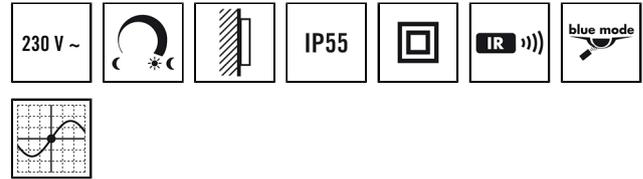


## DEFENSOR TS IR 1C IP55 WH

**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	0.5 – 2.5 mm <sup>2</sup>
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 ~ / 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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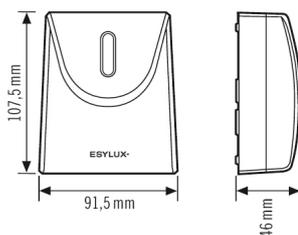
### Factory settings

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

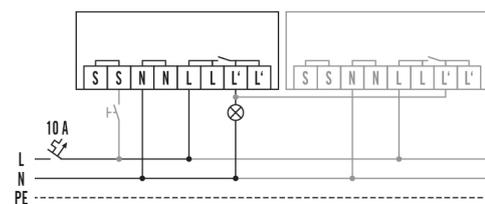
### Accessories

Product designation	Item number	Product description	GTIN
<b>Adapter</b>			
DEFENSOR SPACER WH	EM10025426	Spacer for DEFENSOR series, white	4015120025426
<b>Mounting</b>			
DEFENSOR EDGE MOUNTING WH	EM10025419	Corner bracket for DEFENSOR series, white	4015120025419
<b>Remote control</b>			
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
- 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 mm<sup>2</sup>
- 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