

# Twilight switches

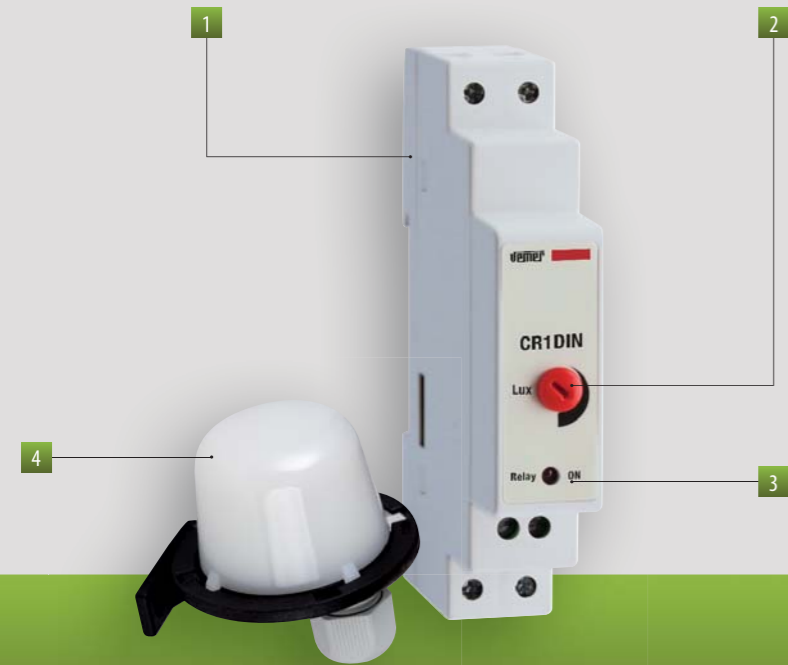
## CR1DIN

### DIMENSIONS (mm)

### CONNECTION DIAGRAM

Modular twilight switch (1 DIN module) with removable external probe that activates the output circuit when the ambient brightness drops below the set threshold, with a Ton delay.

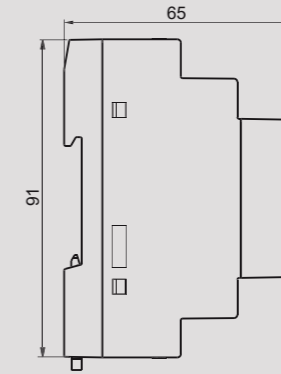
- 1 Twilight switch 1 DIN module
- 2 Sensitivity setting
- 3 Activated load signalling
- 4 External probe



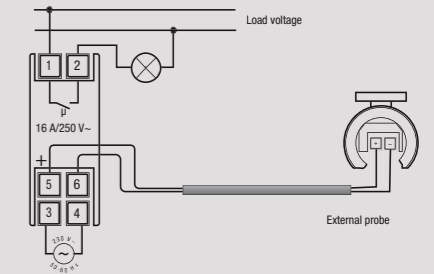
#### Front view



#### Side view



#### Diagram



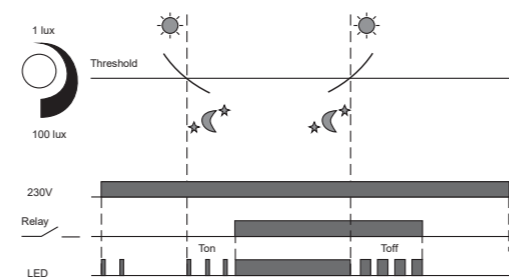
## TIME MANAGEMENT

### TECHNICAL INFORMATION

#### TWILIGHT SWITCH WITH EXTERNAL PROBE

- Power supply: 230 V (-15% ÷ +10%) 50/60 Hz
- Sensitivity: adjustable between 1 and 100 lux
- Removable external probe included in the package
- Maximum distance between the probe and the appliance: about 50 m (we recommend using twisted cable)
- Red LED indicator:
  - off = relay off and brightness above threshold
  - on = relay on and brightness above threshold
  - flashing = relay off with brightness below threshold or relay on with brightness above threshold

#### Operating diagram



#### GENERAL CHARACTERISTICS

Power supply	V AC	230 (-15% ÷ +10%)
Frequency	Hz	50 / 60
Absorption	VA (W)	6 (1)
Contacts capacity:		16 A / 250 V~ (resistive load)
- switchable maximum voltage:		400 V~
- switchable maximum power:		4000 VA (resistive)
- switchable minimum load:		1000 mW (10 V/10 mA)
Type of load:		
- incandescent lamps:		3600 W
- fluorescent lamp:		1000 W
- LED lamp (<2 W):		55 W
- LED lamp (2-8 W):		150 W
- LED lamp (> 8 W):		180 W
Sensitivity	s	1 ÷ 100

Differential		15% of the threshold
Ton intervention time	s	15
Toff release time	s	25
Signalling		Red LED for relay intervention
Protection probe degree	IP	65
Probe operating temperature	°C	-20 ÷ +50
Fastened		DIN rail
Terminal block		4 mm <sup>2</sup> terminal
Container		1 DIN module
Operating temperature	°C	0 ÷ +50
Storage temperature	°C	-10 ÷ +70
Relative humidity	RH	20% ÷ 90% non condensing

Code	Model	Fastened	Sensitivity
VJ6230000	CR1DIN	DIN rail	1 ÷ 100 lux

#### REFERENCE STANDARDS

Compliance with Community Directives: 2014/35/EU (LVD), 2014/53/EU (RED) and 2014/30/EU (EMCD) is declared with reference to the following Standards: EN 60669-2-1

