

Item no.: 2490685

Data Sheet

Twilight relay



Applications

- Used for switching street illumination and garden lights, illumination of advertisements, shop windows, etc.

Technical data

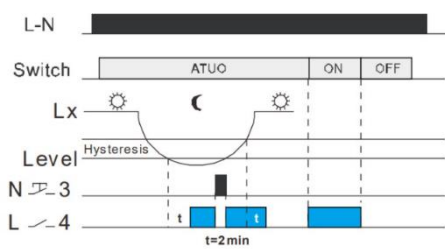
	2490685
Function	Twilight switch
Supply terminals	L-N
Rated supply voltage	AC 240V
Rated supply frequency	50/60Hz
Power consumption	max 2VA
Allowed supply fluctuation range	-15%; +10%
Illumination range	1~1000Lx
Function	ON-AUTO-OFF (adjustable)
Supply indication	green LED
Tolerance of sensor detection	±35%
Delay time	2min
Sensor cable length	200 mm
Output contact data	SPT

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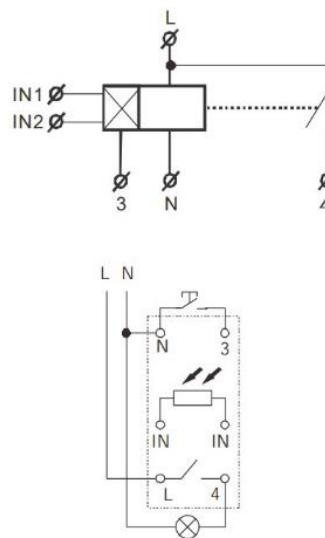
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Current rating	16A(AC1)
Switching voltage	250VAC/24VDC
Min. switching power DC	500mW
Output indication	red LED
Mechanical life	1×10 ⁷
Electrical life (AC1)	1×10 ⁵
Operating temperature	-20°C to+55°C
Storage temperature	-35°C to+75°C
Installation	Din rail mounting
Protection degree	IP20
Mounting attitude	≤2000 m
Overvoltage category	III
Pollution degree	2
Max. cable size(mm ²); torque	1×2.5mm ² or 2×1.5mm ² ; 0.8Nm
Dimensions	90×18×64mm
Weight	62g
Standards	EN/IEC60947-5-1

Function Diagram



Wiring Diagram



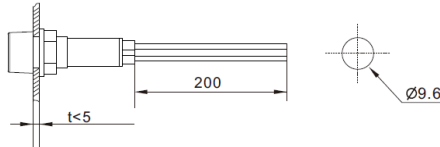
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Photosensitive sensor PLS-02-0.2m



Dimensions(mm)



Applications

- It can be used as the supporting sensor of twilight switch

Function Features

- Small size design, can be installed on the panel
- The model with built-in photodiode has a wider brightness detection range. It needs to be matched with the optical switch

Technical parameters

- Built in sensor type: Photodiode
- Spectral application range: 320nm-1100nm
- Operating voltage range: 2.2-5VDC
- Light current (10 Lux): $\geq 4\mu\text{A}$ (VDD=5V, R=1k Ω)
- Max. power consumption: 100mW
- Operating temperature: -20°C to +60°C
- Storage temperature: -35°C to +75°C
- Cable length: 200 mm