

Twilight switch GRB8

Instruction Manual



General

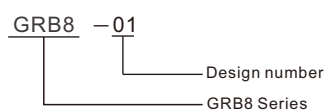
■Applications

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

■Function Features

- Serves to control lights on the basis of ambient light intensity.
- Level of ambient intensity is monitored by an external sensor and output is switched according to set level on the device.
- Control input for additional control.
- Universal supply AC 110V- 240 V.
- Relay status is indicated by LED.
- 1-MODULE,DIN rail mounting.

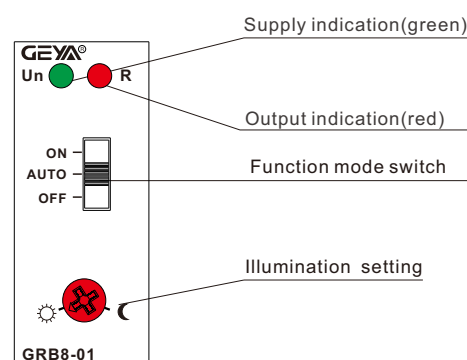
■Model and connotation



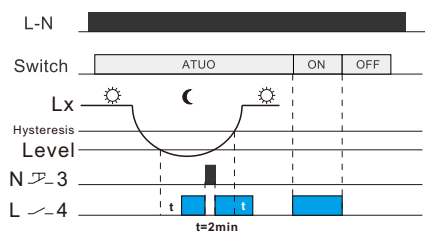
Technical parameters

Technical parameters	GRB8-01
Function	Twilight switch
Supply terminals	L-N
Rated supply voltage	AC 110V-240V
Rated supply frequency	50/60Hz
Burden	max 2VA
Supply voltage tolerance	-15%;+10%
Illumination rang	1-100Lx
Function	ON-AUTO-OFF
Supply indication	green LED
Tolerance sensor	±35%
Delay time	2min
Output	1×SPST
Current rating	16A/AC1
Switching voltage	250VAC/24VDC
Min.breaking capacity DC	500mW
Output indication	red LED
Mechanical life	1×10 ⁷
Electrical life(AC1)	1×10 ⁵
Operating temperature	-20°C to +55°C (-4°F to 131°F)
Storage temperature	-35°C to +75°C (-22°F to 158°F)
Mounting/DIN rail	Din rail EN/IEC 60715
Protection degree	IP40 for front panel/IP20 terminals
Operating position	any
Overvoltage cathegory	III.
Pollution degree	2
Max.cable size(mm ²)	solid wire max.1×2. 5or 2×1. 5/with sleeve max.1×2. 5(AWG 12)
Tightening torque	0.8Nm
Dimensions	90×18×64mm
Weight	65g

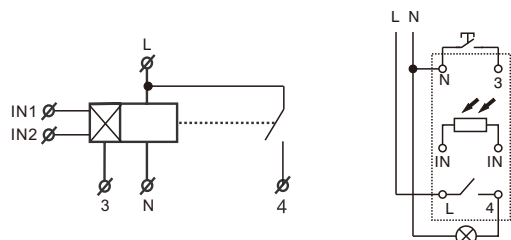
Panel Diagram



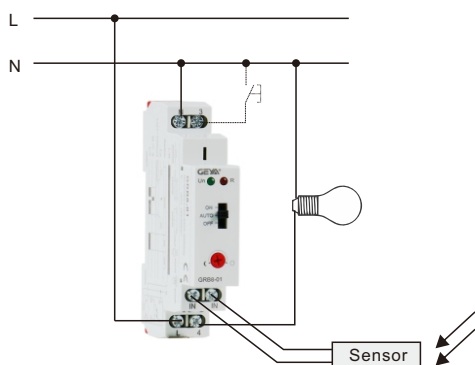
Functions Diagram



Wiring Diagram



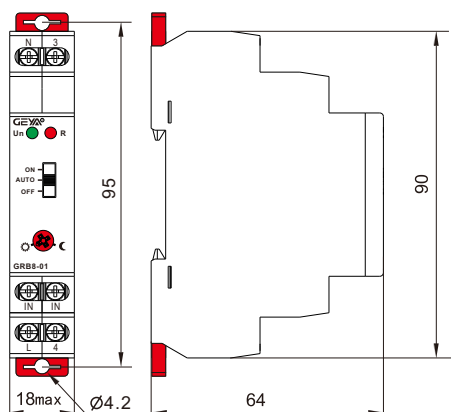
Example



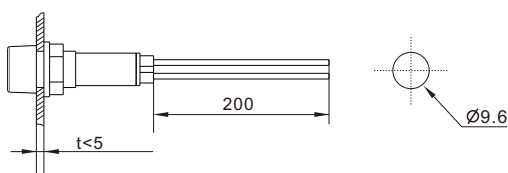
Types of lamps

2000W	2000W	1000W	900W(125uF)	400W	300W

Dimensions(mm)



Sensor



Disposal of Electrical Waste
All electrical waste should be disposed of in compliance with current WEEE regulations.



Caution

The products must be installed by qualified electricians. All and any electrical connections of the product shall comply with the appropriate safety standards.

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