

TECHNICAL INFORMATION

- Operating voltage: AC 110V-230V (50Hz-60Hz)
- Load: AC 110V-230V (50Hz-60Hz), 1000 Watts Maximum (For higher loads, use any external AC relays or contactors)
- Power Consumption: 0.025 Watts (5V DC) When load is inactive, When load is active 0.325 Watts (5V DC)
- Sensor type: Light Dependent Resistor
- Control: 10bit ADC Microcontroller and Relay (7Amp) switching
- Switching light intensity range: ON when sunlight intensity is less than 20 lx, OFF when it is more than 40 lx.
- Water Resistant: IP65 water-resistant. (For long life, it is recommended to avoid heavy rainfall)
- Product Size: 80mm x 61mm x 31mm
- Load type: CFL bulb, Tube lights, Incandescent lamp, LED light, or any other kinds of lamps having a load capacity of up to 1000 watts.

APPLICATION

Best to Light up: Gate / Garden / Street light / Entrance/ Hoarding board.

Note: Applicable only for outdoor lights.

WORKING

The sensor reads the intensity of sunlight for 60 seconds to ensure it's going to be night and switch ON the light. Similarly, in the early morning, the sensor reads the light intensity for 60 seconds to ensure it's going to be day and switch OFF the light.

CAUTION

- Ensure that the power supply is switched off before installation or servicing the product.
- The sensor should be connected to a stable power supply.
- The sensor should be installed between the normal Switch and the Light bulb.
- Installation should be done by a person who knows the electrical power supply.
- The product should not be modified, this will void the warranty.

INSTALLATION AND TESTING PROCEDURES

Step 1: Use an electrical tester to find out which wires are Phase and Neutral in the light bulb connection.

Step 2: Switch OFF the Main AC power supply

Step 3: Fix the sensor on the wall vertically using screw and fisher or peel the 3M sticker on the backside of the product.

Note: For the long life of the product, it is recommended to install where heavy rain will not fall directly.

Step 4: The sensor should be faced towards the sunlight. Ensure the sensor should not be affected by the connected lighting (Fig. 1)

Step 5: Connect the sensor RED wire to the Phase wire and Black wire to the neutral wire of the power supply. Connect GREEN and BLACK wire to the light bulb. (Fig. 2)

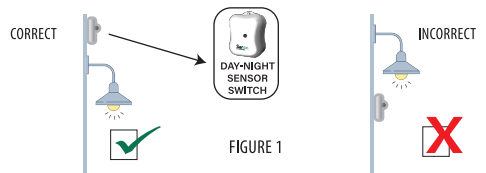
Note: The BLACK wire is common for the power supply and bulb.

Step 6: Switch on the Power supply.

Step 7: For testing the product after proper installation, please cover the light sensor (Fig. 2) with your hand for more than 1 minute. After the 1 minute, the light will be ON. Then take the hand from the light sensor, the light will be OFF after 1 minute.

Note: If you are testing on a bright day, use some non-transparent box to cover the whole product.

INSTALLATION Ensure that the Light sensor is not influenced in any way by the connected bulb's light. The Sensor must be placed as shown in Fig 1.



CONNECTION DIAGRAM

