



LDR SENSOR TIMER

Model: AU-X300



IP65



Day & Night



Energy saving



5-500 LUX

INTRODUCTION

An automatic photocell switch for lamps, AU-X300, is easy and comfortable to use. The light will turn on when the ambient light darkens to your adjusted LUX, and the light will switch off when the ambient light is more than the adjusted LUX. This sensor is not only convenient but also practical and can control the load by working only at night. For instance, road light, garden light, etc.

TECHNICAL SPECIFICATIONS

Model	: AU-X300
Power Source	: 220-240V/AC 50Hz
Sensing Type	: Light Dependent
Ambient Light	: <5-500LUX (Adjustable)
Rated Load	: 10 Amp
Working Temperature	: -20°C ~ +40°C
Working Humidity	: <93%RH
Built in Timer	: 1, 2, 3, 4, 5, 6, 7, 8, 9Hours
No. of Wires	: 4 Wires

FUNCTION

LUX setting

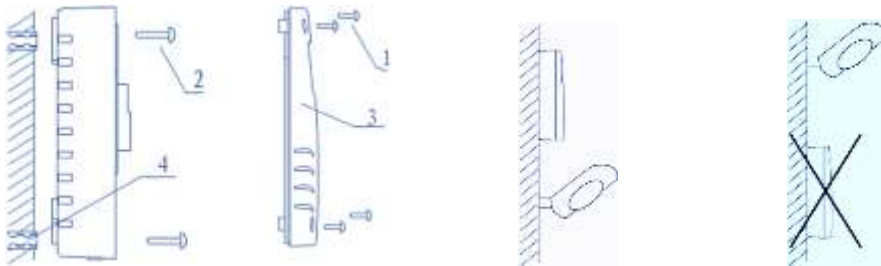
- When the LUX knob anti-clockwise is turned to “3” position, the photocell will only work in the dark that is when the ambient light is less than 3 LUX. If the LUX knob is turned clockwise to the “500” position, it will work when the ambient light is less than 500 LUX.

Time Setting

- As per the requirement, you can set the regular working hours of the photocell.

INSTALLATION INSTRUCTIONS

- Switch off the power.
- Take the cover down after loosening the 4 screws.
- As per the connection-wire diagram, connect the wire with the product.
- Install the product with enclosed inflated screws as per the correct installation place.
- Install the cover back, switch on the power then test it

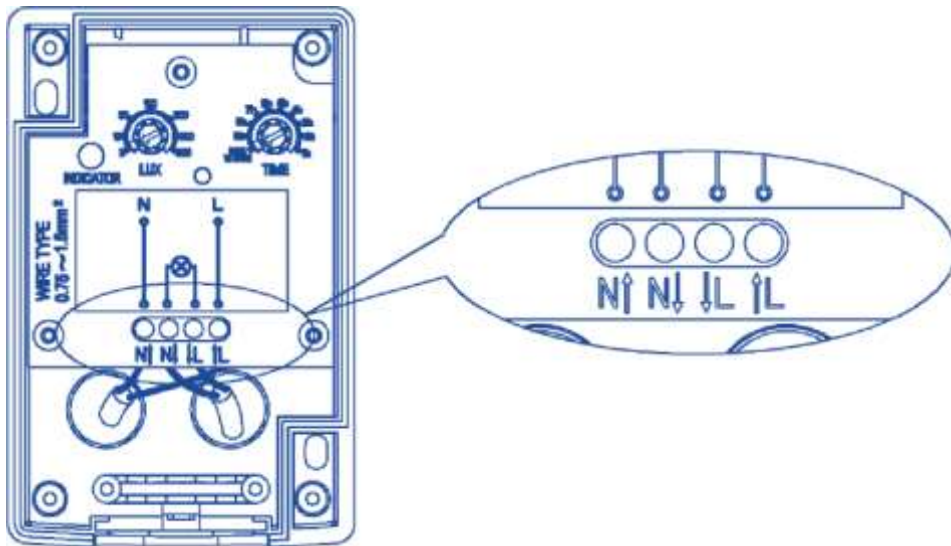


Positioning

Correct

Incorrect

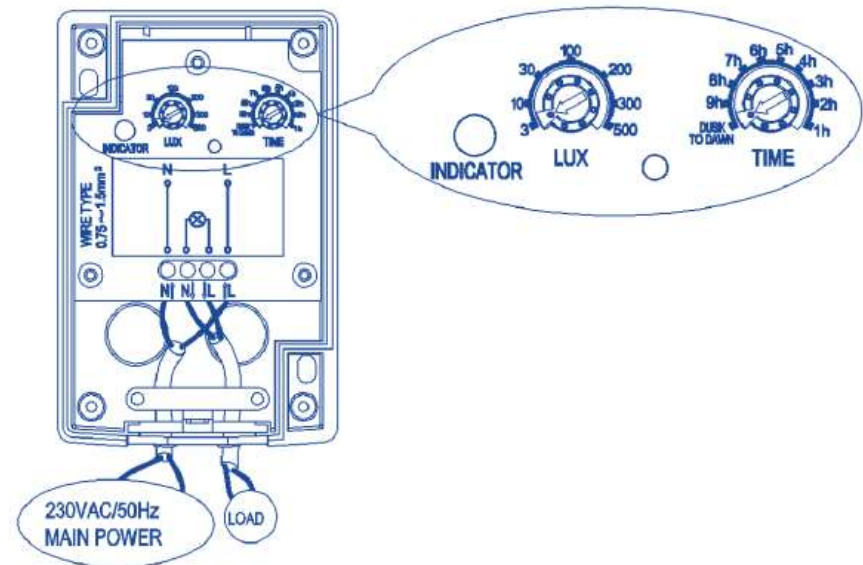
CONNECTION – WIRING DIAGRAM



Note: When testing during daylight, please cover the sensor with a black polythene cover; otherwise, the sensor could not work.

TEST

- Set the LUX knob to the “3” position and the TIME knob to the “1h” position.
- While testing during the daylight, you should cover an opaque black cloth on the product, and after 1 minute, the lamp will turn on.
- The lamp will be ON for 1 hour when the ambient light of the photocell is less than 3 LUX and the cloth mantles detection window of the photocell.
- When the cloth is removed, the lamp will turn off automatically.
- When you adjust the LUX knob to the “500” position, the lamp can stay on in the ambient light for less than 500 LUX.

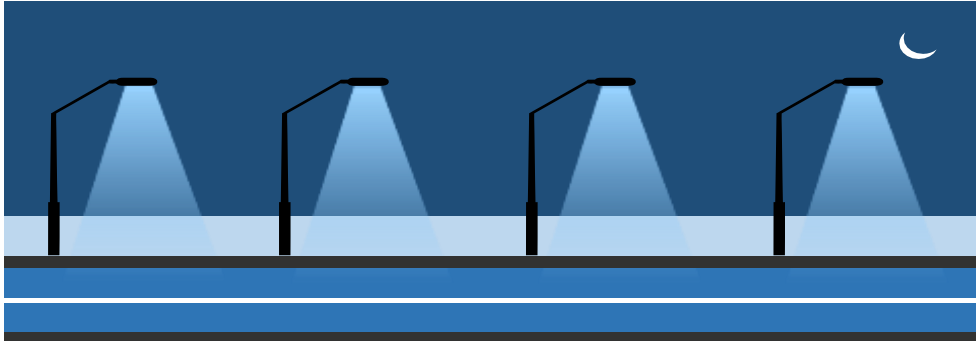


LUX FUNCTION CHECK

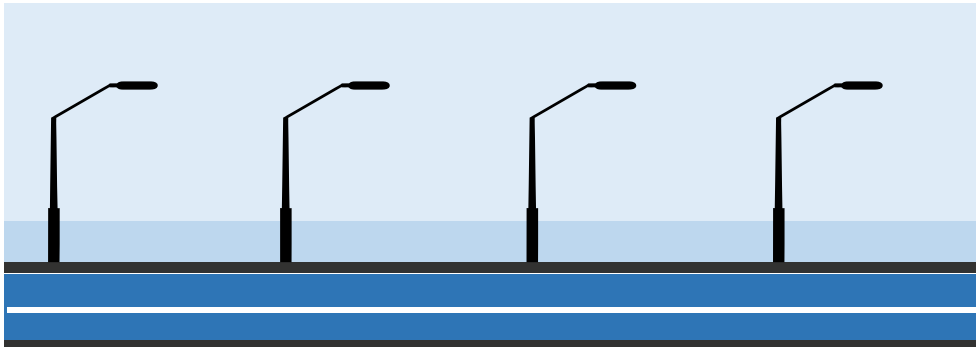
Day/Night Light Function

The lights switch ON and OFF automatically and save endless energy.

Night Time



Day Time



SAFETY INSTRUCTIONS

- There should be no obstruction in front of the photocell that affects the natural light.
- No swaying object should be there in front of the photocell.
- Do not install photocell under the light or in any place where the light will be irradiated to the photocell.

- When the lamp is on, another source of light irradiation to the photocell due to which this light lasts for more than 1 minute, the lamp will turn off, and the electronic TIMER will stop. Afterward, when the light turns on again, the TIMER will restart counting from the beginning.
- When the power is off for more than 2-5 seconds, the electronic TIMER will reset

APPLICATIONS



Sign Boards



Garden Lights



Town Ships



Street Lights

TROUBLESHOOTING

Malfunction	Cause	Remedy
The load will not work	Wrong light control is selected Faulty load	Adjust the setting change load
	The main switch is OFF	Turn the switch ON