

PC302



PC302 LIGHT CONTROL SENSOR

SN-PC302 can turn on or turn off light automatically according to ambient-light. Ambient-temperature and humidity cannot affect it. It is not only convenient but also practical; it can control the load by working only at night. For instance road light, garden light etc.

FUNCTIONS

- LUX setting: turn LUX knob anti-clockwise to " - " position, the photocell will only work in the dark (less than 5LUX). If turn clockwise to "+" position, it will work when the ambient light is less than 50LUX.

INSTALLATION

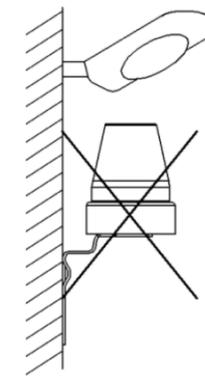
- 1) Switch off the power and connect the wire as per the connection-wire diagram.
- 2) Please install the item in the correct orientation with the metal bracket and according to the correct installation place install with the enclosed inflated screws.
(See the figure on the right).

TECHNICAL SPECIFICATION

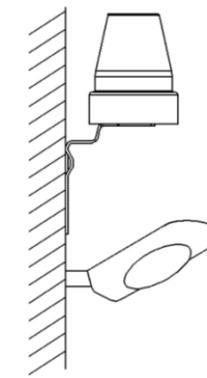
Power Source:	220-240V/AC
Power Frequency:	50/60Hz
Rated Current:	10A
Ambient Light:	<5-50LUX (adjustable)
Working Temperature:	-20~+40°C
Working Humidity:	<93% RH



FIGURE



INCORRECT



CORRECT

Fig 1

CONNECTION-WIRE DIAGRAM

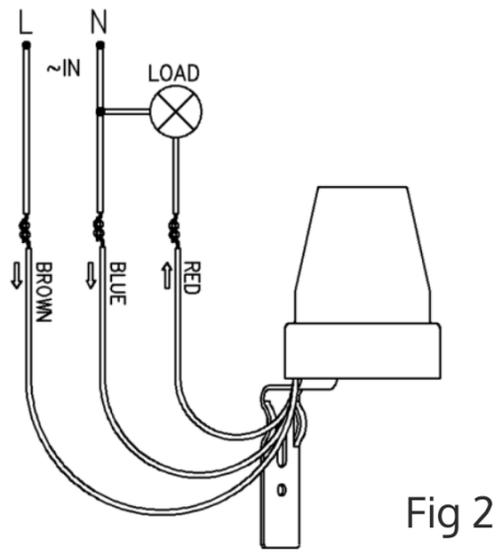


Fig 2

Note: When testing in daylight, please turn LUX knob to (SUN) position, otherwise the sensor could not work!

TEST

- Slide the LUX knob to position (-) and switch on the power.
- When you test in daytime. You should cover a black opaque cloth on the product.
- When the cloth mantles the detection window of the photocell, the ambient light of the photocell is less than 5 LUX, the lamp will be on.
- When you take off this cloth, the lamp will be off automatically.
- When you slide the LUX knob to position (+), the lamp could be on in the ambient light less than 50LUX

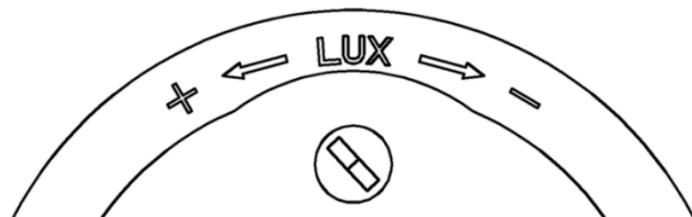
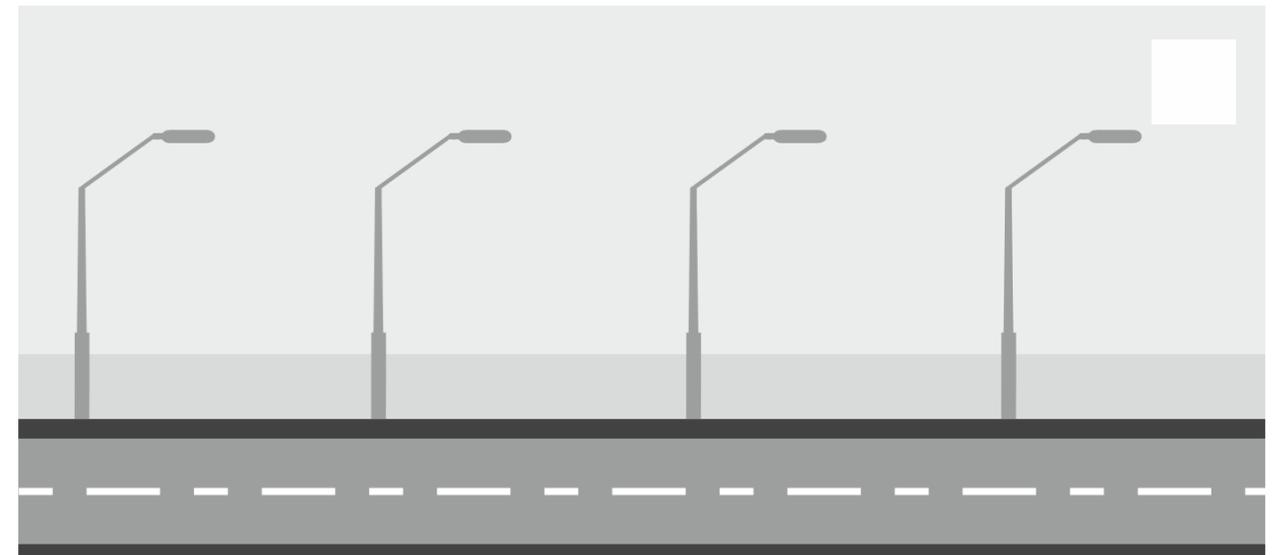
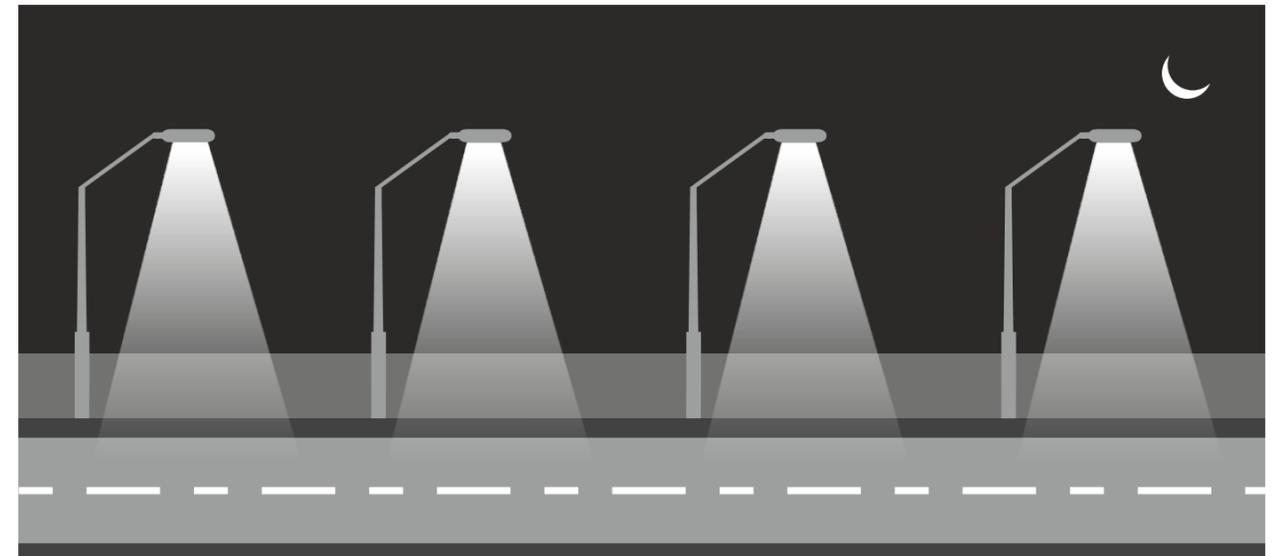


Fig 3

APPLICATION

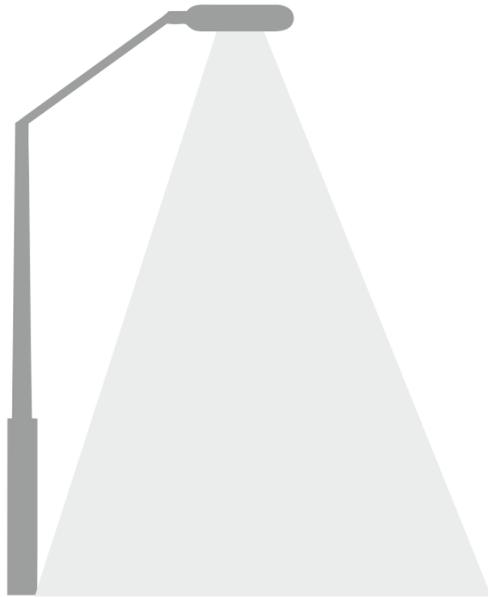
Day/Night Light Function

Automatically switches light 'ON' and 'OFF'.
Saving Endless energy.



NOTE

- In front of the photocell, it should be no obstruction effecting to accept natural light;
- In front of the photocell, it should be no swaying object.
- Don't install the photocell under the light or in the place where the light will be irradiated to the photocell.



TROUBLESHOOTING:

Malfunction	Cause	Remedy
The load will not work	Wrong light control selected Load faulty Mains is switched OFF	Adjust Setting Change Load Switch ON
The load is always on	Continous movement in detection zone	Check zone setting
The load is ON without any identifiable movement	The sensor not mounted for detecting movement reliably Movement occurred, but not identified by the sensor(movement behind wall, movement of a small object in immediate lamp vicinity etc)	Securely mount enclosure Check zone setting
The load will not work despite movement	Rapid movements are being suppressed to minimize malfunctioning or the detection zone you have set is too small	Check zone setting.