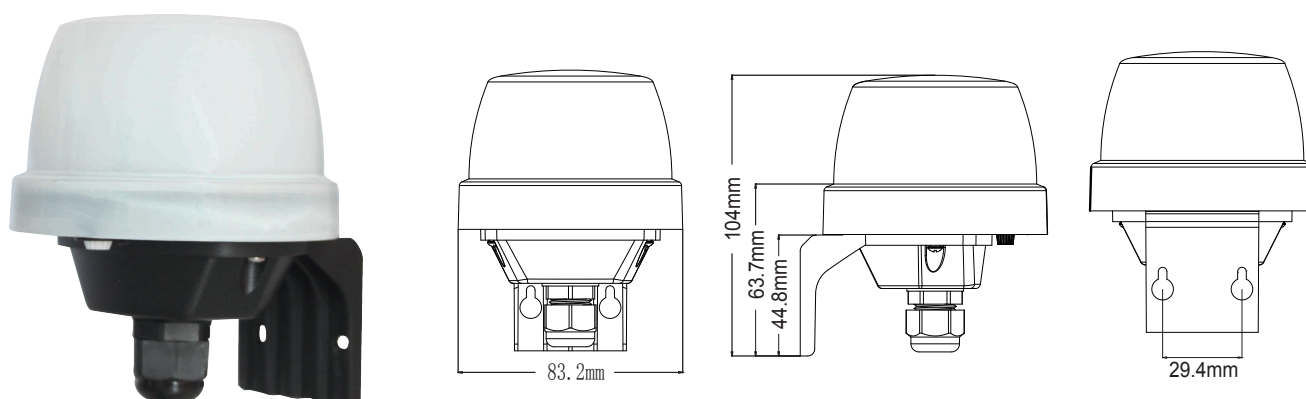


LX-D20A-Z Light-Control Sensor Instruction



IP65

Summary

This product is an advanced digital control optical product, which can work in the range of 100-127VAC 50/60Hz or 220-240VAC 50/60Hz, which can be automatically turned on and off according to the ambient light. It is not affected by ambient temperature and humidity, it is not only convenient but also practical. It can control the load of night work.

It uses the MCU to precisely calculate the switching information and precisely control the relay to open at the zero of the sine wave, thus opening each load. When the sinusoidal wave is zero, the problem of inrush current caused by the traditional control mode when the sinusoidal wave is opened at high voltage is avoided, especially when the relay is damaged by high current caused by high voltage impact on the large-capacity capacitor.

This product adopts advanced digital precision calculation function, which can connect the load when the sine wave is at zero potential, thereby solving the problem of load surge current, greatly improving the load capacity and extending the service life of the product. The latest control method of mass production sensor technology can easily control any load. It is a high-end product. Although the cost has increased compared with the traditional version, the reliability and service life of the product have been greatly improved. This product is equal to choosing peace of mind and choosing safety.

Note: Fully digital, long-life surface light control switch: the service life can reach 5 years.

Specifications

Power source: 100-127VAC 50/60Hz ☐

220-240VAC 50/60Hz ☐

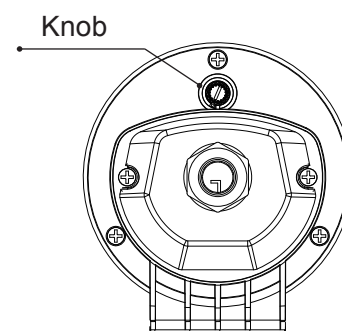
All loads: 800W (100V-127VAC 50/60Hz)

1500W (220-240VAC 50/60Hz)

Light-control: <5Lux-20Lux(adjustable)

Function

- When the anti-clockwise rotation reaches the minimum and the ambient light <5Lux, the load will be on. When the ambient light >30Lux, the load will be off.
- When the clockwise rotation reaches the maximum and the ambient light <20Lux, the load will be on. When the ambient light >70Lux, the load will be off.



Notice

1. In front of the light-control switch there should be no block affecting it to receive natural light;
2. In front of the light-control switch there should be no swaying object;
3. Avoid installing the unit below light.

Connection-wire diagram

connect L and N with power;
connect L' and N with load.

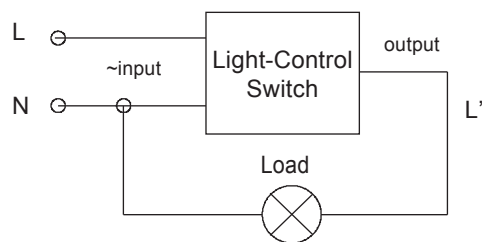


figure. 1

Installation

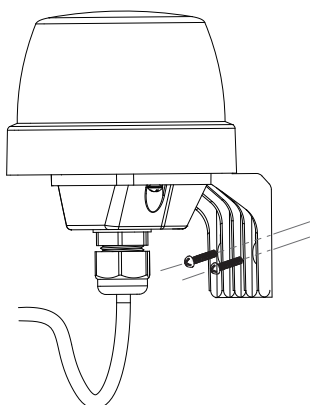
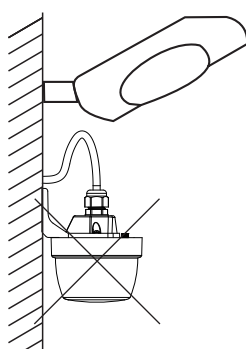
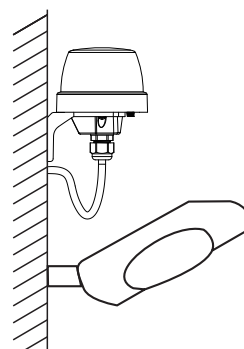


figure. 2



Wrong installation

figure. 3



Correct installation

figure. 4

Test

1. Use opaque to cover the sense-light window when testing at the daytime (figure. 5).
2. When cover this opaque, the load will be on.
3. When take off this opaque, the load will be off.
4. Take off this opaque after testing.

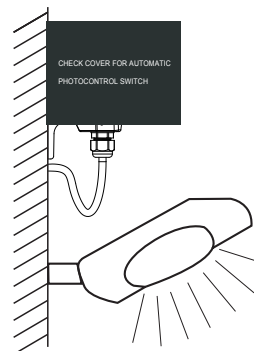


figure. 5