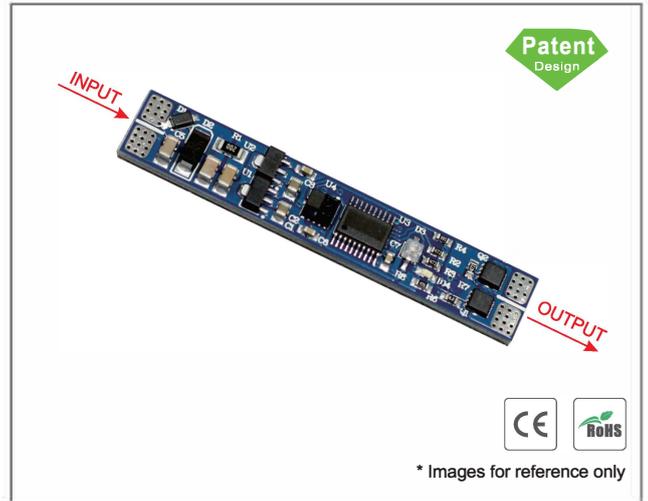# dio

Proximity Sensor Switch With Dimmer D-PR02

Functions:

- Turn ON/OFF the light when hand pass over the sensor within 18cm.
- Input Voltage: 12V-24VDC.
- Loading Power: 8A Max. (96-192W)
- Detection Range: ≤18cm (When there's no cover).
- Hold the hand over the sensor more than 1 second, adjusting the brightness from 3% to 100%.
- With 0V memory function.
- Dimension: 55*10mm.

V+	--- DC input positive
V-	--- DC input negative
LED+	--- Output to LED Strip positive
LED-	--- Output to LED Strip negative

INPUT

OUTPUT

Patent
Design

CE RoHS

* Images for reference only

Operations:

The Proximity Switch(motion sensor) is designed to be used in LED Aluminum profile. It is dedicated for switching LED lights "on" and "off" without touching the switch. The Proximity switch operates based on an active reflective photocell. The cyclical device sends a string of infrared impulses and measures the strength of the reflected signal. When a hand is close to the sensor the infrared impulses reflect from the hand and bounce back to the sensor. If the strength of the signal is maintained on the appropriate level, the output of the sensor will reverse its state. The infrared light is emitted on a definite frequency as a result. The sensor is resistant to signals coming from other sources such as infrared remote controls, lamps or other.

Installation steps:

Notice: The distance from PC cover to the profile 7mm≤D≤50mm.

D≥7mm