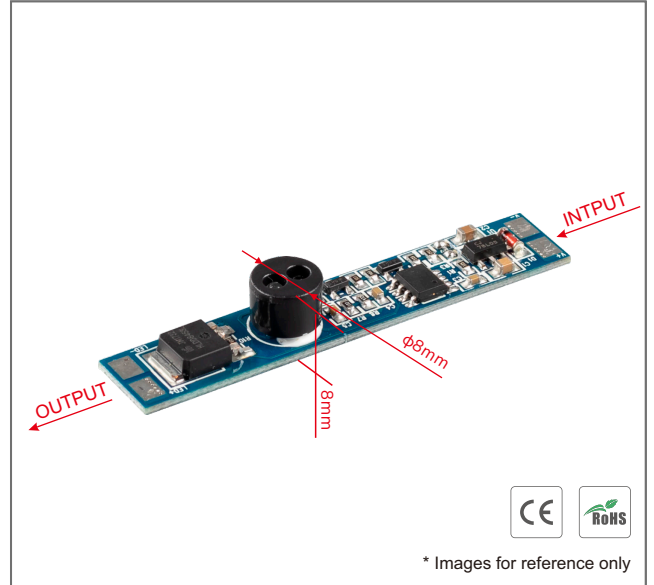


# Hand Sensor Dimmer IR012D

## Functions:

- Automatically switch ON/OFF when the hand passes over with dimming and memory function.
- Input Voltage: 12V-24VDC.
- Output Voltage: 12V-24VDC.
- Input Current: 8A.
- $0.5\text{cm} \leq \text{Detection Range} \leq 10\text{cm}$ .
- Load around 96W for 12V, and 192W for 24V.
- Dimension: 55\*10mm.

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



## Operations:

- LED strip is originally "off" and the LED indicate light on the sensor PCB is "on" when the power is connected on.
- The light will be on when hand passing over the IR sensor switch within 10cm detection range, and will be off when hand passing over again.
- Hold the hand over the IR sensor more than 3s to adjust the LED brightness dimming from 1% to 100%.
- The IR sensor will memorize the status of the LED brightness in DC12V-24V.
- The IR sensor switch will turn on or off the led light with above repeatable steps.

## Installation Steps:

The two IR diodes head should be put out of PC cover as the picture below:

- Step 1: Drill a hole with a diameter of 8mm in PC cover.
- Step 2: Place the detector head into the hole with a diameter of 8mm.
- Step 3: Connect wires to the input end and output end of the control PCB.

