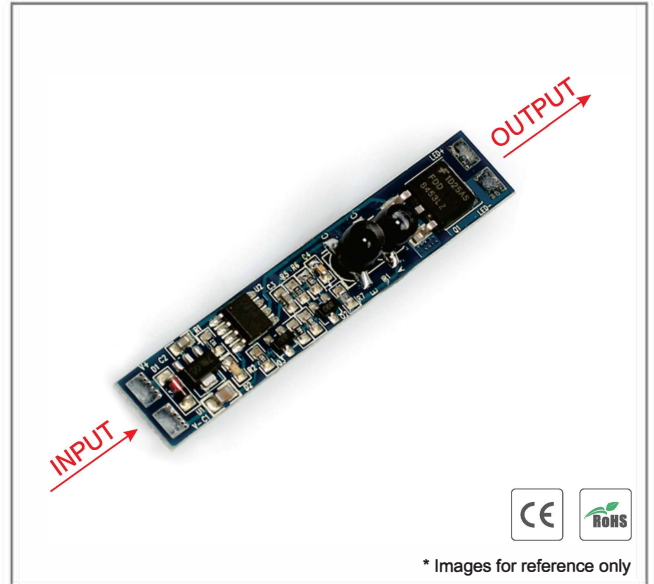


Hand Sensor Dimmer IR001D

Functions:

- Automatically switch ON/OFF when the hand pass over, 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 2 holes with a diameter of 5mm in PC cover.
- Step 2: Place the detector heads into the holes with a diameter of 5mm.
- Step 3: Connect wires to the input end and output end of the control PCB.

