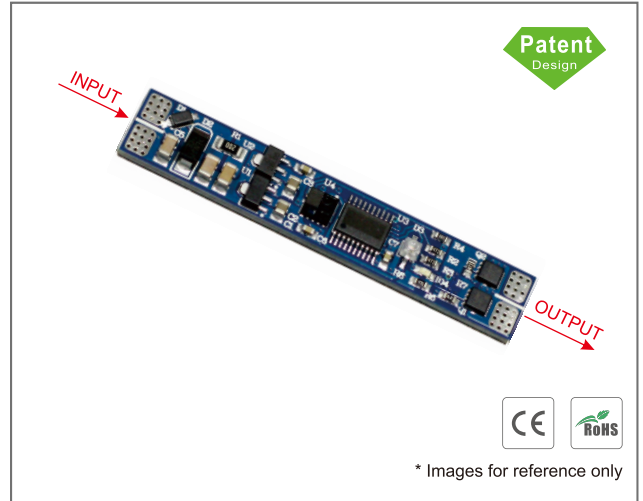


# Proximity Sensor Switch With Dimmer

## Functions:

- Turn ON/OFF the light when hand pass over the sensor within 18cm.
- Input Voltage: 12V-24VDC.
- Loading Power: 8A Max.
- Detection Range:  $\leq 18\text{cm}$  (When there's no PC 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



## Operations:

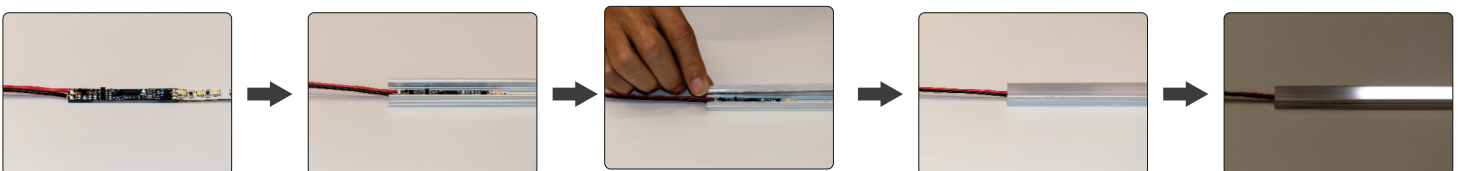
The Proximity Switch(motion sensor) is designed to be used in LED Aluminum profile. It is dedicated for switching LED lights "on" and "off" without touching the switch. The Proximity switch operates based on an active reflective photocell. The cyclical device sends a string of infrared impulses and measures 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 sunlight.

**\*Caution: avoid being exposed to the other lamp or strong light outside the lamp.**

## Applications:

- The Proximity switch is dedicated for applications that requires very high hygiene standards such as: laboratories, hospital operating rooms.
- The switch guaranties safety while turning the light on in the bathroom with wet hands or any other applications where you may not physically want to touch the switch.
- The switch provides comfort for example while working in the kitchen as it allows for quick and secure triggering of lighting during work, often with unwashed hands.

## Installation Steps:



**Notice:** The distance from PC cover to the profile  $7\text{mm} \leq D \leq 50\text{mm}$ .

