Surmountor Lighting Co., Ltd

Add: 2/F, Building D, Yonghengxin Industrial Park, No. 5, Furui Road, Fuyong Town, Shenzhen, Guangdong, China.
Tel: +86-0755-2792 6119 / 2792 6326
Email: sales@surmountor.com

Mirror sensor switch MSS001

Functions:

- Turn ON/OFF the light when hand pass over the mirror within 10cm
- Input Voltage: 12V-24VDC.
- Loading Power: 4A Max.
- Detection Range: ⩽18cm (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.
- Load around 48W for 12V,and 96W for 24V.
- Input and output cable length:1m(customized length can be ordered).

* Images for reference only

Operations:

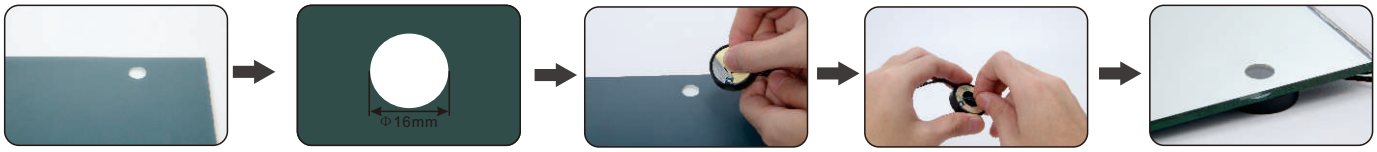
The Proximity Switch(motion sensor) is designed to be used for led back lighting of Mirror. It is dedicated for switching LED lights “on” and “off” without touching the switch. The Proximity switch operates based on an active reflective photocell. The cyclical device sends a string of infrared impulses 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.**

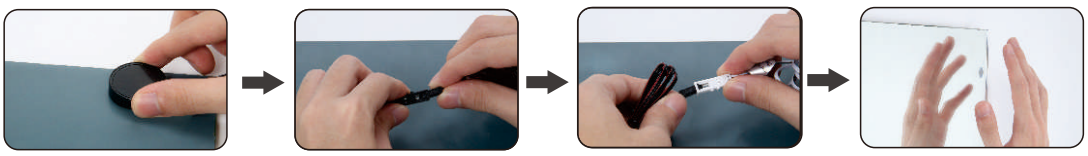
Applications:

- 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:



1. Laser cut the back of the mirror, leaving a round hole.
2. The recommended size of the round hole is Φ16mm.
3. Tear off the adhesive on both sides of the sensor.
4. Tear off the plastic film on center of the sensor .
5. Align the sensing area on the mirror.


6. Fix the sensor on the back of the mirror.
7. Connect the sensor and the light strip.
8. Connect the sensor to the power supply.
9. Installation is complete.