SurMountor

Functions

| Model	IR010
Operation	Door / Hand mode can be switched, Double sensor head controller. (For single, double, or sliding doors.)
Input Voltage	12V-–24V DC
Output Voltage	12V–24V DC
Input Current	4A
Detection Range	0.5cm≤Length≤10cm
Load Around	48W for 12V, and 96W for 24V
Detector cable length	1m (Length can be customized)
Input/output cable length	1m (Length can be customized)

Input   Output

ø13.5
14.25
1.5

ø11mm
18mm

Connection Diagram

12-24V DC
POWER SUPPLY

N

110/220V AC

L

Door ⇄ Hand

+
-
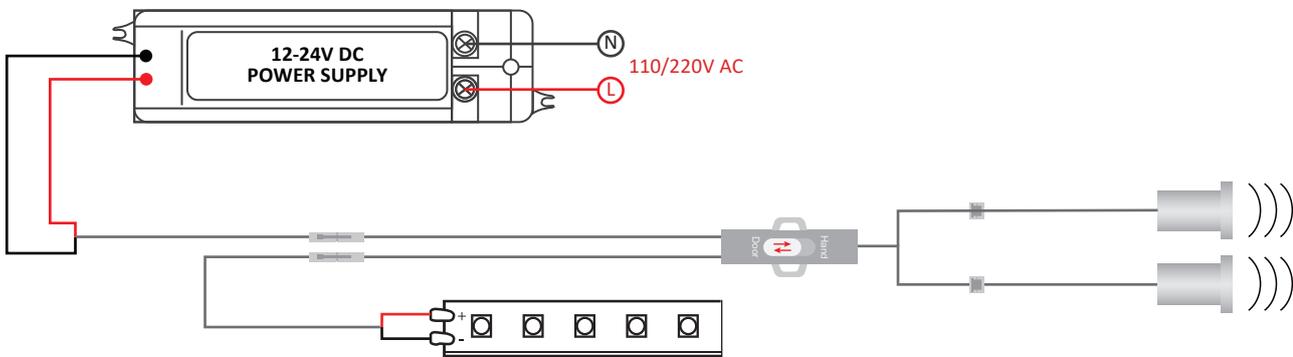
Operations

Door Mode

Door ← Hand

Features:

- 1 or 2 detectors in the sensor unit
- Perfect for using in wardrobes with single door, double doors, or sliding doors

Function Descriptions:

- When there are target objects in the detecting range of both detectors, the LED light switches OFF.
- When there are no target objects in the detecting range of one of the detectors, the LED light switches ON.
- Note: The sensing distance may be reduced when detecting dark-colored (e.g. black) cabinet doors.

Hand Mode

Door → Hand

Features:

- 1 or 2 detectors in the sensor unit

Function Descriptions:

- The LED light will switch ON when the hand passes over the detector within the 10cm detection range.
  The LED light will switch OFF when the hand passes again over the detector within the same range.
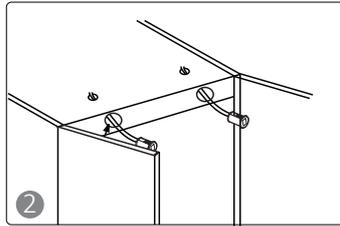- The IR sensor switch controls the LED light with the above repeatable steps.

Warning:

- If you only choose one detector to work, make sure that the other detector has no access circuit.
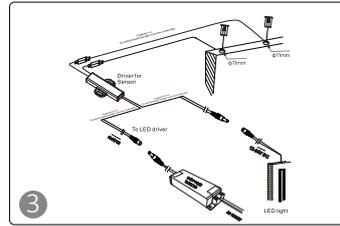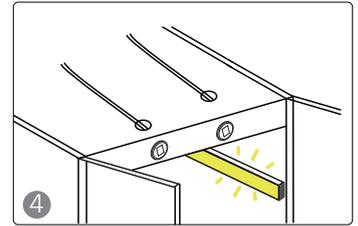

Installation Steps

1. Recessed Mounted
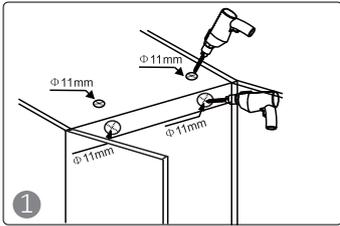
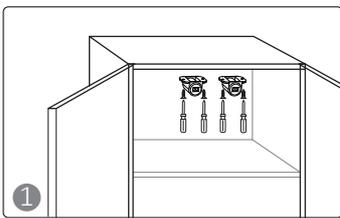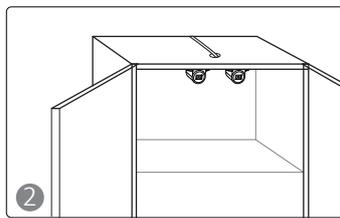|			
❶ Drill a 11mm hole on the cabinet.	❷ Thread the cable through the drilled hole to secure the sensor to the cabinet.	❸ Connect the sensor and power supply as correct way.	❹ When you open one of the cabinet doors or swipe your hand over the sensor, the light will be lit.

2. Surface mounted

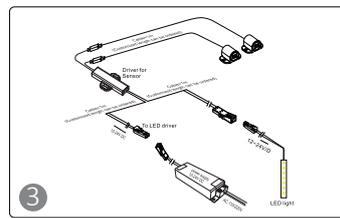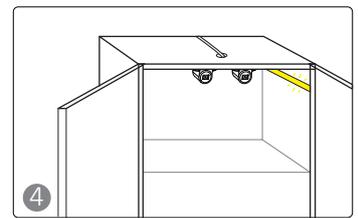|			
❶ Fix the sensor in place using screws and a screwdriver	❷ Organize the cables neatly	❸ Connect the sensor and power supply as correct way.	❹ When you open one of the cabinet doors or swipe your hand over the sensor, the light will be lit.

* When using Door Mode, make sure all detectors are blocked before connecting the power.
* If you only choose one detector to work, make sure that the other detector has no access circuit.

Recommened Profiles/Optional

| Model	Color	Size(mm)	Length	Drawing	Photo	Installation
A1707	White	17.4*82	1–3m			Surface mounting
A1715	Black	17.4*15.7	1–3m			Surface mounting
A1920	Aluminum	19.9*18.5	1–3m			Surface mounting

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Recommened Strips/Optional

General description

- Available in 12/24V DC maximum
- CRI80 & CRI90 LED Strip are available
- Working temperature: -20°C to +50°C
- Very bright & low power consumption
- Long life span LED lights, more than 50,000 hours
- Adhesive back, peel & stick
- IP20, IP65, IP67 are available

Radiation diagram

LED Light distribution
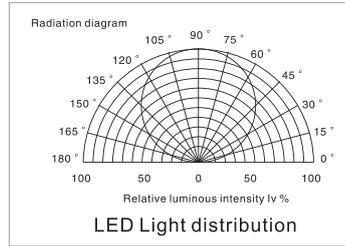
Color Spectrum (CRI90)

Wavelength(nm)
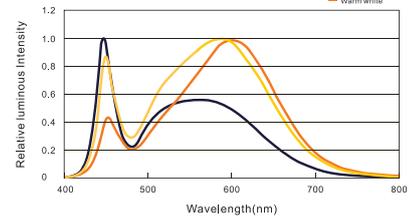
Electronic & Output Data

SMD2835, 60 LEDS/m

Size (mm)	Color	CRI	Photo	LED Qty/m	Lumen/m	Voltage (V)	Power (W/m)	Packing (m/reel)
L5000*W8*H1.5	WW ☐ NW ☐ CW ☐	90+		60	1000 1100 1200	12/24V	14.4	5

SMD2835, 120 LEDS/m

Size (mm)	Color	CRI	Photo	LED Qty/m	Lumen/m	Voltage (V)	Power (W/m)	Packing (m/reel)
L5000*W10*H1.5	WW ☐ NW ☐ CW ☐	90+		120	1300 1400 1500	12/24V	14.4	5

SMD2110, 280 LEDS/m

Size (mm)	Color	CRI	Photo	LED Qty/m	Lumen/m	Voltage (V)	Power (W/m)	Packing (m/reel)
L5000*W10*H1.5	WW ☐ NW ☐ CW ☐	90+		280	1420 1460 1510	24V	19.2	5

ShenZhen Surmountor Lighting Co., LTD

TEL: +86-0755-27926119/27926326 E-mail: sales@surmountor.com ADD:4/F, No.2 Factory Building, Dayang, No.4 Tangwei Industrial Avenue, FuHai Street, Bao'an, Shenzhen, China

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