Specification of TD Series

SurMountor

Input | Output

55mm

10mm

Functions

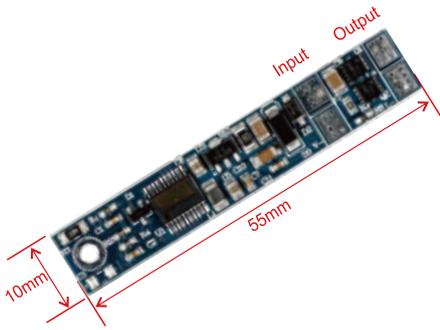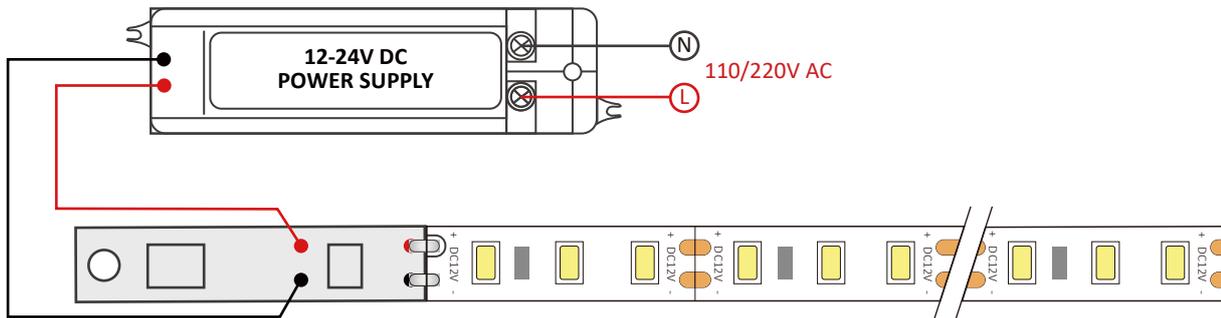| Model	TD011
Operation	Touch-Aluminum LED sensor switch with dimming and 0V memory function.
Input Voltage	12V–24V DC
Output Voltage	12V–24V DC
Input Current	3A
Accessory	PM2*3mm, screw *1pcs
Load Around	36W for 12V, and 72W for 24V

Connection Diagram

12-24V DC POWER SUPPLY

N
L
110/220V AC

Touch switch ON/OFF with dimming and 0V memory.

Operations

- Power the light on the 1st time, with the brightness and power state of last time (If dimming, the light will brighten from current brightness to 100%), the light enters dimming mode automatically when puting the hand on any position of the aluminum profile for 2s, brightening from 6% to 100%, or dimming from 100% to 6%.
- Fast touch: light off; Fast touch again: light on.
- This sensor will memorize the status of the dimming in DC0V(Power off) or DC12V-24V.

Notices

- The power supply must be Class I (With a grid ground wire).This sensor can only be connected with single line for LED strip.
- In the case of manufacturing finished light, the LED strip must be insulated from the aluminum profile (Insulating materials' thickness ≥ 2MM).
- Available finished LED light length≤1.5M.
- Aluminum profile inner space should be at least 2MM wider than LED strip PCB .
- Suitable for our aluminum Profile for single finger touch: F001, F002, A2515, A2212.
- Suitable for our aluminum Profile for two fingers touch: F003, A1506, A1707, A1612, A2206, A1713, A2016, A1919, B1919, C1919, C1506, B1707.
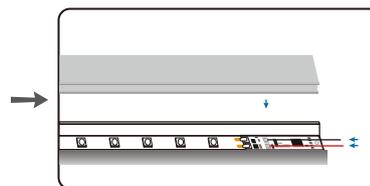
PCB≤10MM

Installation Steps
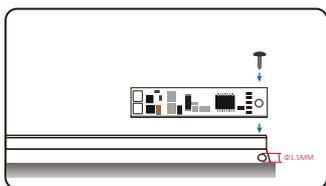
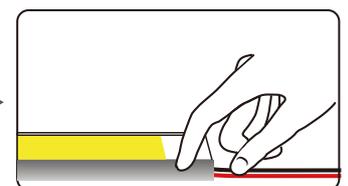

Drill a Φ1.5MM hole on the aluminum profile. Atiach the sensor switch on corresponding position.
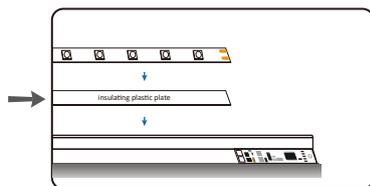
Atiach a insulating plastic plate of 10mm -width and ≥2mm-thickness to the LED profile.
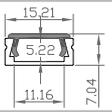
Solder the LED strip to the corresponding positive and negative positions of the sensor output， Install PC cover and end caps.

Touch aluminum part to test the function.

Note: The function/program can be customized, made upon different needs, such as longer time for stay on, etc.

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Recommended Profiles/Optional

| Model	Color	Size(mm)	Length	Drawing	Photo	Installation
A1506	White	15.21*7.04	1–3m			Surface mounting
A2507	Black	23.7*8.2	1–3m			Recessed mounting
F003	Aluminum	19.71*7.61	1–3m			Surface mounting
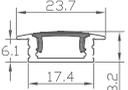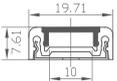
Recommended Strips/Optional

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
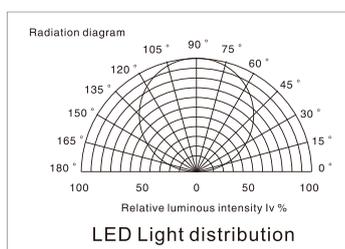
Color Spectrum (CRI90)
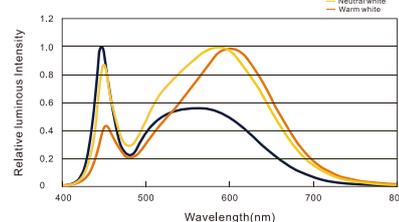
Electronic & Output Data

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	12/24	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	12/24	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	24	19.2	5

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