

Model: TD003 Touch Switch dimmer with memory Function

V+ ----DC input positive -
V ----DC input negative
LED+ --- Output to LED Strip positive
LED- --- Output to LED Strip negative

Parameters

Description	Dimension	Height of spring	Voltage	Suggest Load
TD003	43*10MM	15MM	12-24 VDC	8Amps.

TD003: Touch Switch dimmer with memory Function

Touch Times	Brightness	Percentage of full load
0	Off	0%
1	High	100%
Holding Touch	Free Diming	100%-5%, 5%-100%
Touch	Off	0%

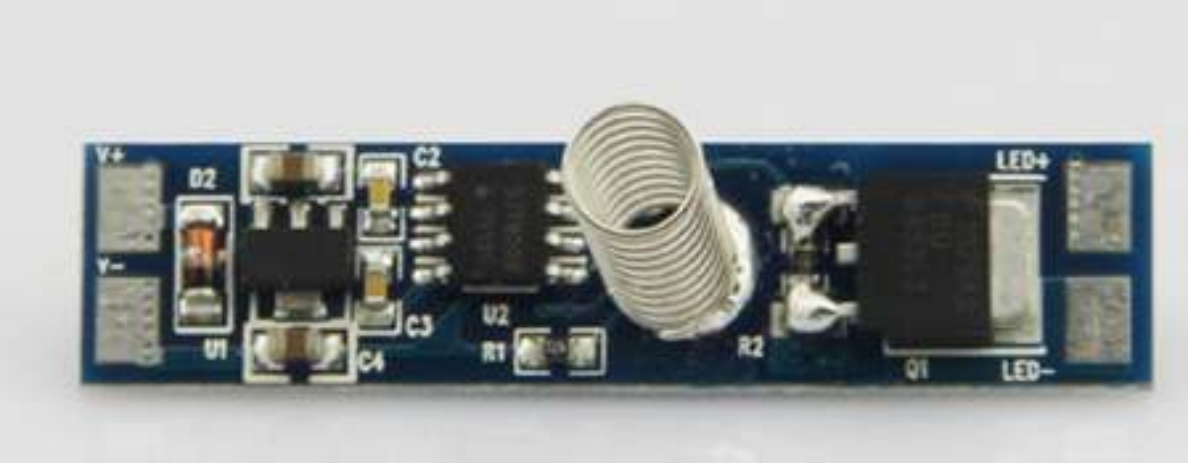
Non-memory Touch Switch performs as below:
1) Originally “Off” when the power is connected.
2) Quick Touch (time is less than 550ms) can turn the light on and off. One touch to turn on; another touch to turn off. The lamp is 100% bright when it is on.
3) Hold on touching (time is above 550ms) can adjust the brightness endlessly. It will reduce the brightness endlessly to the minimum in 3 seconds holding on when the light is on. It will increase the brightness endlessly to 100% in 3 seconds holding on when the light is off.
4) Quick touch and Hold on touching can be chosen anytime without any collision.

Memory Function:

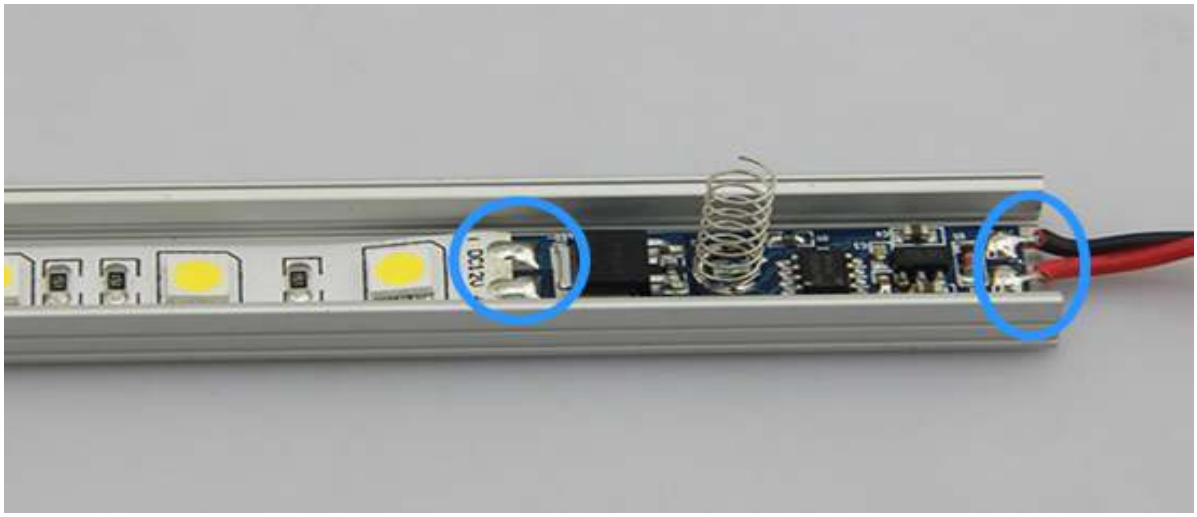
1) Touch on: 100% brightness, and adjust the light you need, for example, 50%
2) Then touch off. (you can't cut off the power at this step, keep the IC working, that means the blue need keep lighting.)
3) Touch again, light on and the brightness will keep as 50% as last adjustment.

Instruction:

Step Ⅰ:

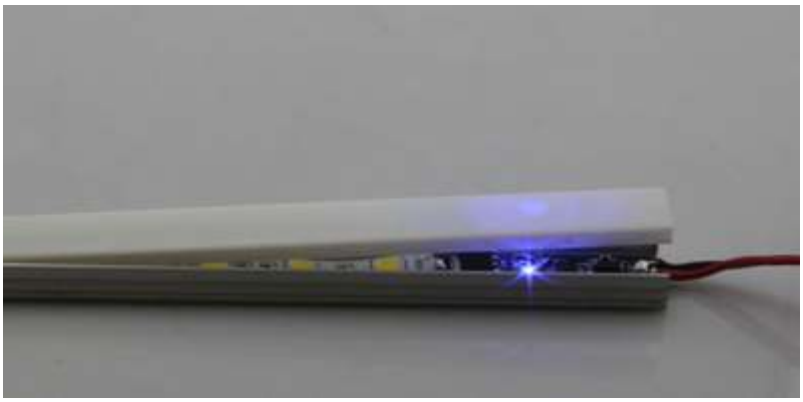


Step Ⅱ: Stick and solder TD001 touch dimmer with led strip in led profile.



Step Ⅲ: Connect the light with power.

The height of Spring is about 15mm, it could be cut to suit the height of led profile. The conductive spring needs to be covered by insulation material such as glass, plastic or ceramic material. The max sensed thickness is about 3MM.



Step Ⅴ: Finished!



Application of led touch dimmer—LED under cabinet lighting





Attention:

1. Please make sure you use constant voltage driver instead of constant current driver.

2. Please make sure the positive + and negative - are correctly connected to the LED power supply, and the positive and negative cannot be reversed.

3. Please make sure the spring will not contact any metal object to avoid malfunction.

4. Please make sure put 3M tape on the bottom of PCB to avoid malfunction.