

# LED Lighting Control System Instruction Manual

## Attentions:



Read the instruction carefully before installation , non-observance of this instruction may cause damage to the fixture or hurt to human body .The installation must be carried out by a qualified electrician in accordance with national or local codes .

Cut off the power supply before installation and maintenance!

Regularly check the controller ,sensor ,the cord and other accessories .

If any part is damaged , the product should not be used .

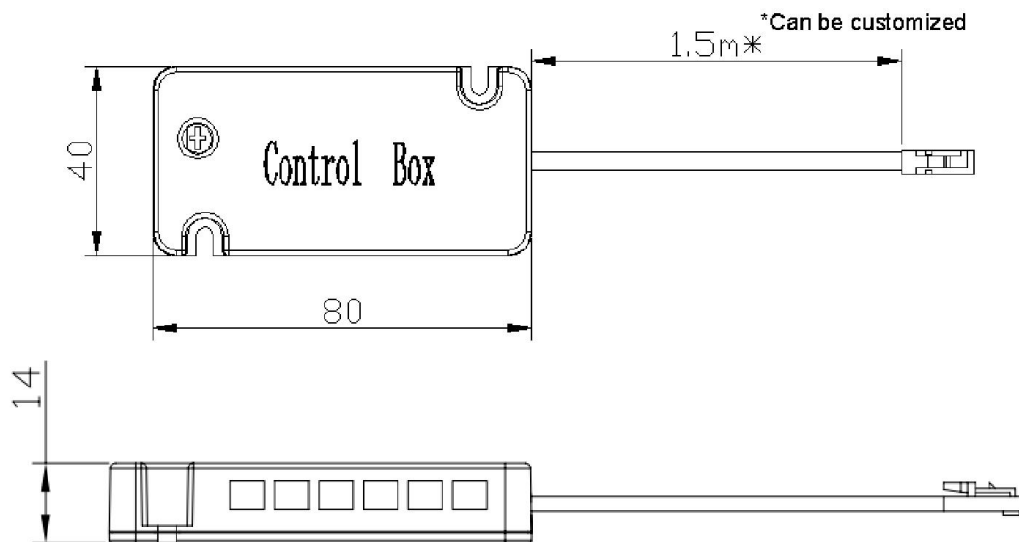
Keep this instruction manual handy for future use .

The production is only for indoor and dry location .

**Use only with STEP power supply or class 2 power unit (for USA market)**

## Control Box

Dimension in mm



Model No.	Rated supply	Rated load	Ta
101.10.100	12VDC	30W	-20°C ~ 35°C
	24VDC	60W	

## Features

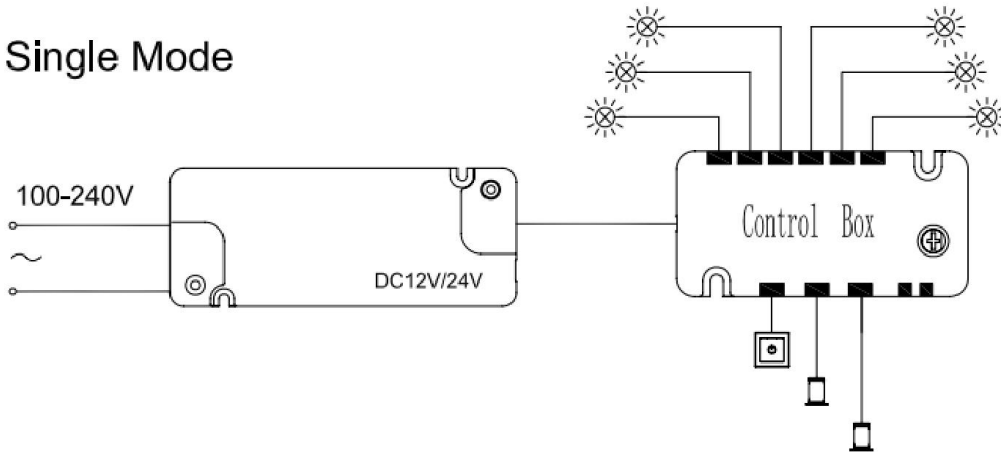
1. DC 12V/24V input
2. 6-way DC output
3. Work with Max 3 switches or sensors
4. Adjustable motion sensor delay time: 5~120s
5. Memory function
6. Two or more of control boxes can communicated with each other and online work , so as to casually increase the number of sensors and output
7. All online lights can be controlled at the same time by any online sensor when using more than one control box

## Function Definition

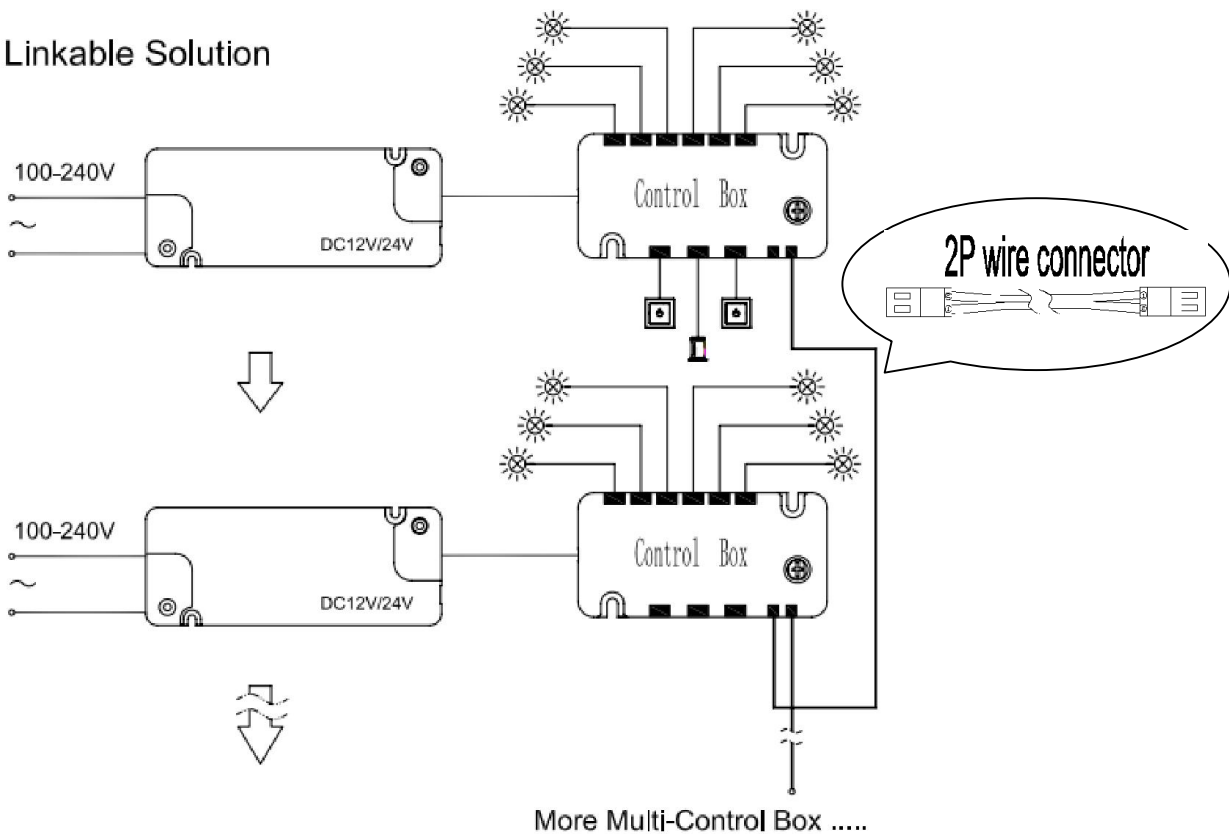
1. ON/OFF sensor : Turn ON and OFF.
2. Dimmer sensor : Turn ON and OFF, dimming 10-100%.
3. Door/Drawer sensor : Open the door or drawer >50mm to turn on the light, close the door or drawer <50mm to turn off the light.
4. PIR sensor : When human-body moves in the detection range(0~3m), light will turn on, when human-body Leaves the detection range or no motion detected in the detection range, light will turn off after delay time.

## Application

### Single Mode

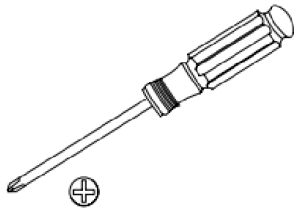


### Linkable Solution



In multi-control mode, you can connect up to Multi Max three Door Sensors, and these three Door Sensors must be connected in one control box, otherwise it will be malfunction.

Tools and Installation



Screwdriver



Driller

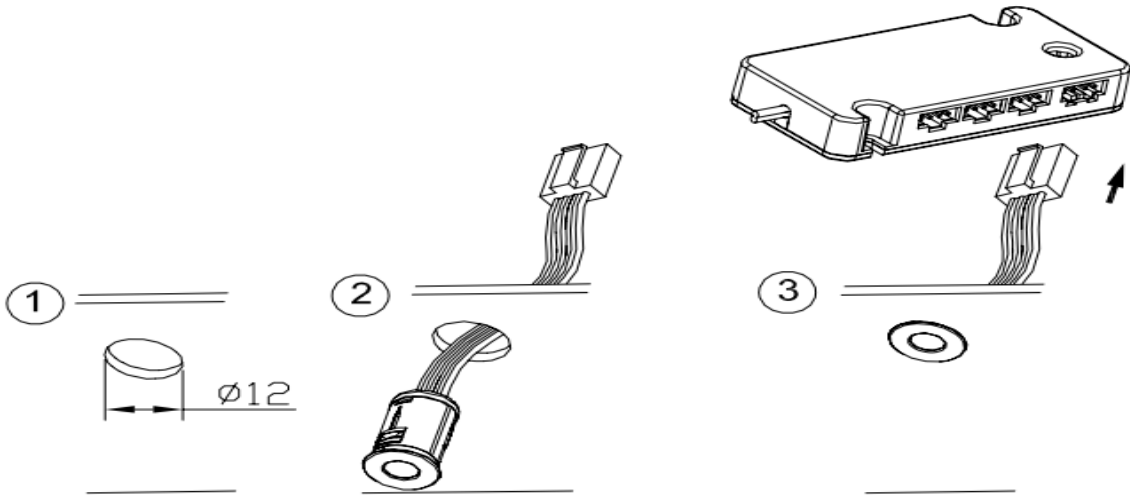


Ø20mm  
Hole opener

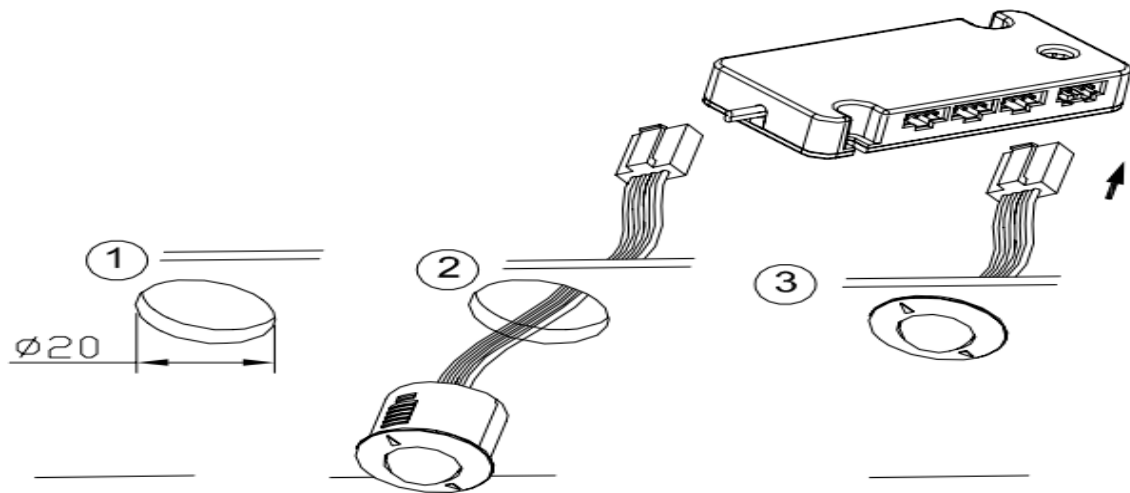


Ø12mm  
Hole opener

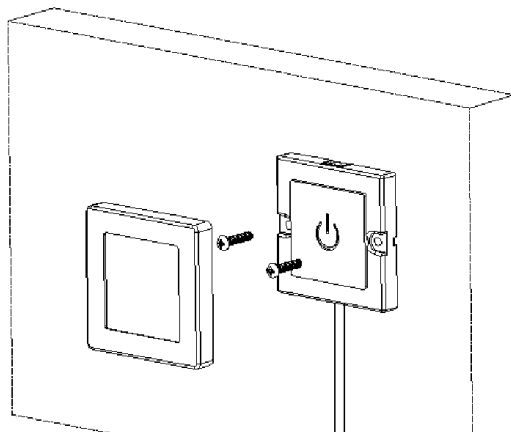
Φ12 Recess Mounted Sensor



Φ20 Recess Mounted PIR Sensor

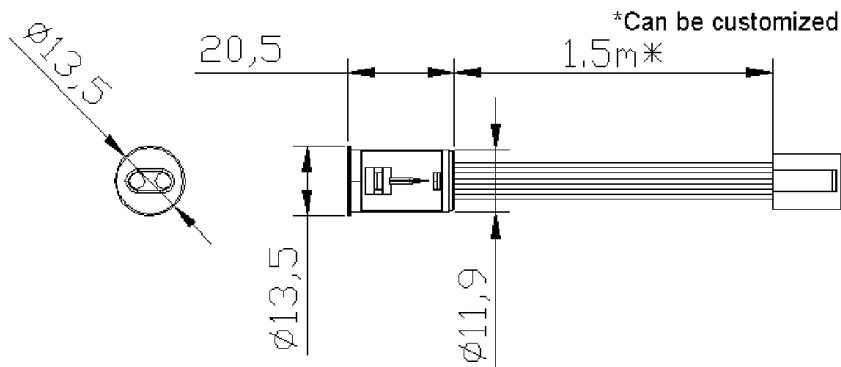


Surface Mounted Sensor



## IR Recess Mounted Sensor

Dimension in mm



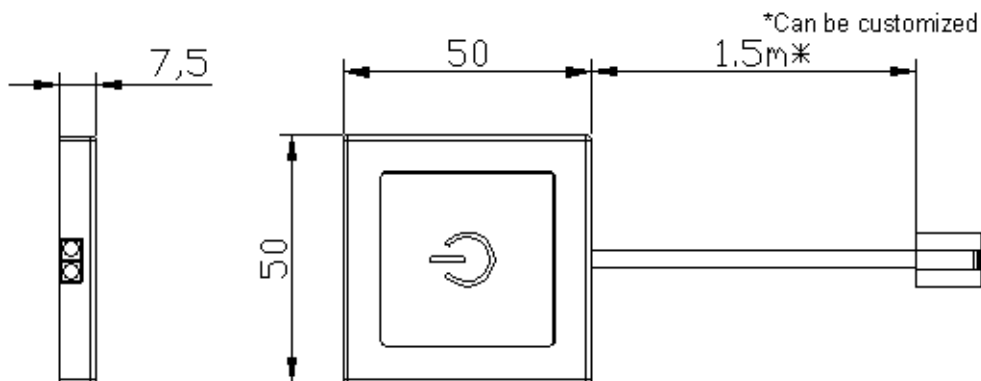
Model No.	Description	Detection Range	Rated Supply	Standby Power	Consumption Power	Drilling Hole
101.20.100	IR ON/OFF Sensor	0~50mm	3V	< 0.05W	< 0.1W	Φ 12
101.20.101	IR ON/OFF + Dimmer Sensor	0~50mm	3V	< 0.05W	< 0.1W	Φ 12
101.20.102	IR Door/Drawer Sensor	0~50mm	3V	< 0.05W	< 0.1W	Φ 12



1. Objects for blocking the induction must be non-black and clear glass, otherwise it doesn't work.
2. Must be used in detection range.

## IR Surface Mounted Sensor

Dimension in mm



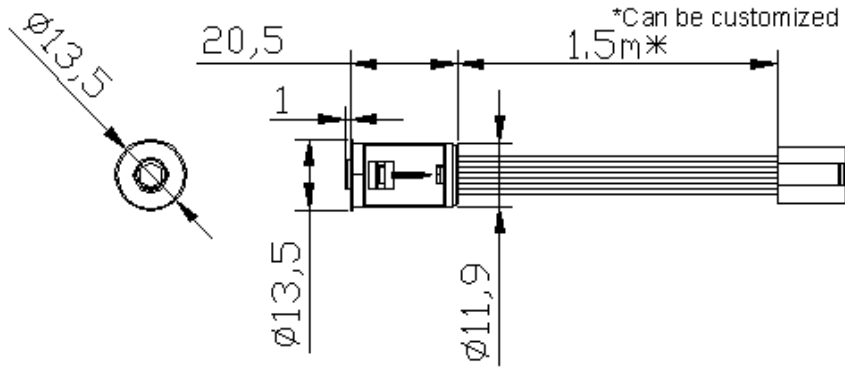
Model No.	Description	Detection Range	Rated Supply	Standby Power	Consumption Power
101.20.103	IR ON/OFF Sensor	0~50mm	3V	< 0.05W	< 0.1W
101.20.104	IR ON/OFF + Dimmer Sensor	0~50mm	3V	< 0.05W	< 0.1W
101.20.105	IR Door/Drawer Sensor	0~50mm	3V	< 0.05W	< 0.1W



1. Objects for blocking the induction must be non-black and clear glass, otherwise it doesn't work.
2. Must be used in detection range.

### Touch Recess Mounted Sensor

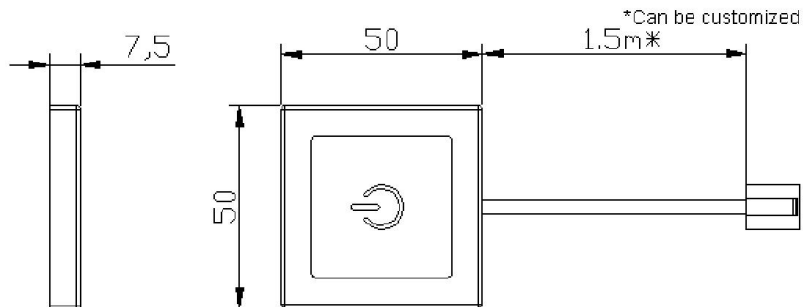
Dimension in mm



Model No.	Description	Rated Supply	Standby Power	Consumption Power	Drilling Hole
101.20.200	Touch ON/OFF Sensor	3V	< 0.03W	< 0.05W	Φ 12
101.20.201	Touch ON/OFF + Dimmer Sensor	3V	< 0.03W	< 0.05W	Φ 12

### Touch Surface Mounted Sensor

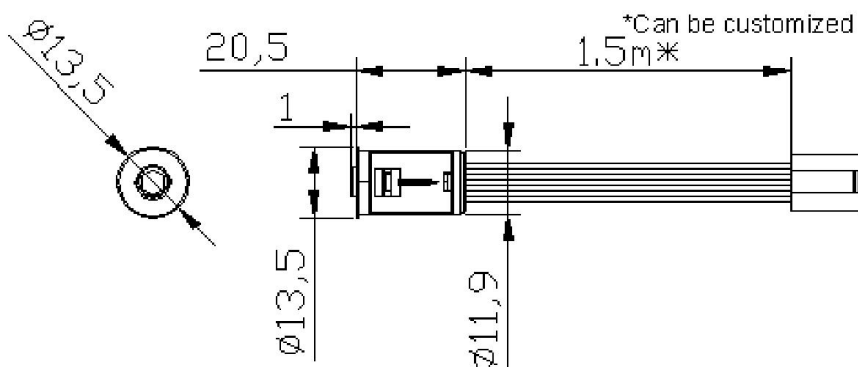
Dimension in mm



Model No.	Description	Rated Supply	Standby Power	Consumption Power
101.20.202	Touch ON/OFF Sensor	3V	< 0.03W	< 0.05W
101.20.203	Touch ON/OFF + Dimmer Sensor	3V	< 0.03W	< 0.05W

### Push Switch

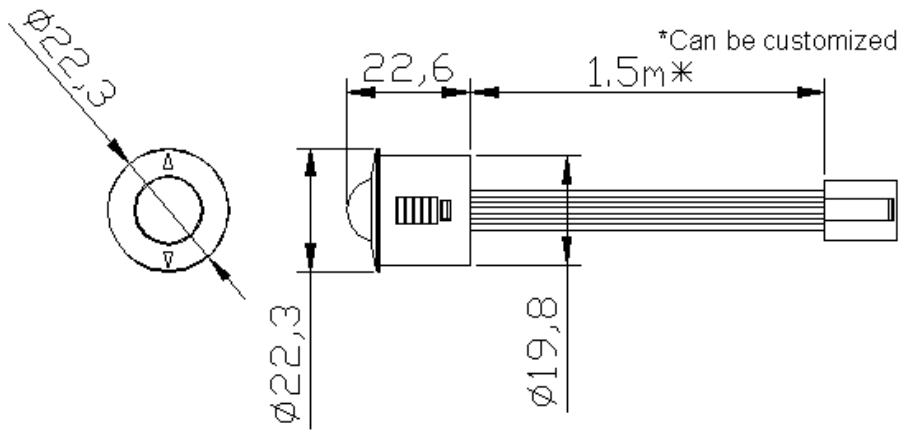
Dimension in mm



Model No.	Description	Drilling Hole
101.20.400	ON/OFF Push Switch	Φ 12
101.20.401	ON/OFF + Dimmer Push Switch	Φ 12

## Motion Sensor

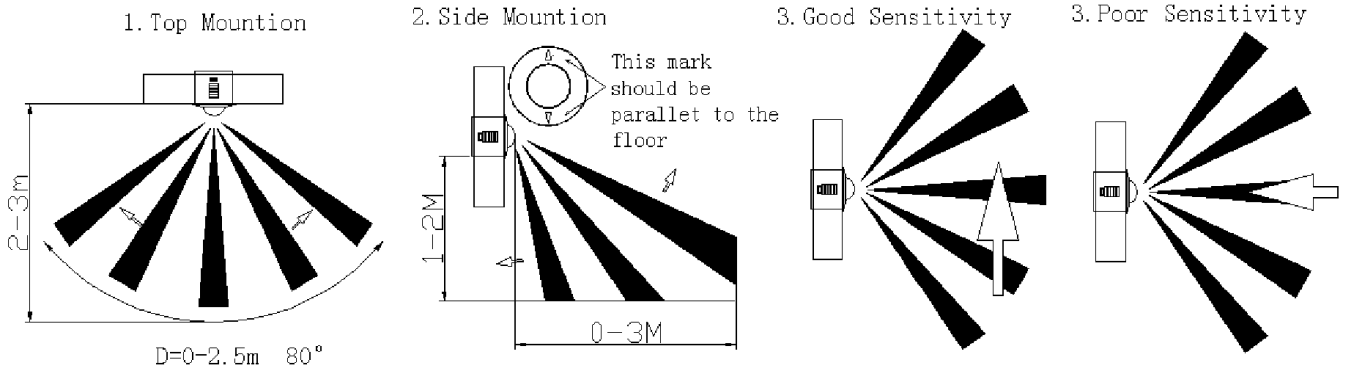
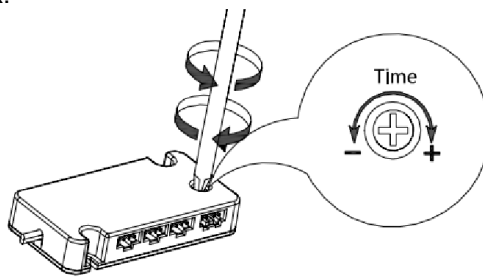
Dimension in mm



Model No.	Description	Detection range	Rated Supply	Standby Power	Consumption Power	Drilling Hole
101.20.300	PIR Sensor	0~3000mm	3V	< 0.3W	< 0.5W	$\phi 20$

### Functions

1. First connecting to power supply , the PIR sensor no detect for about 10s then starts to work.
2. Delay time adjust by control box.



\_\_\_\_\_more sensors are designing\_\_\_\_\_