LED Lighting Control System Instruction Manual

ELEKTRA

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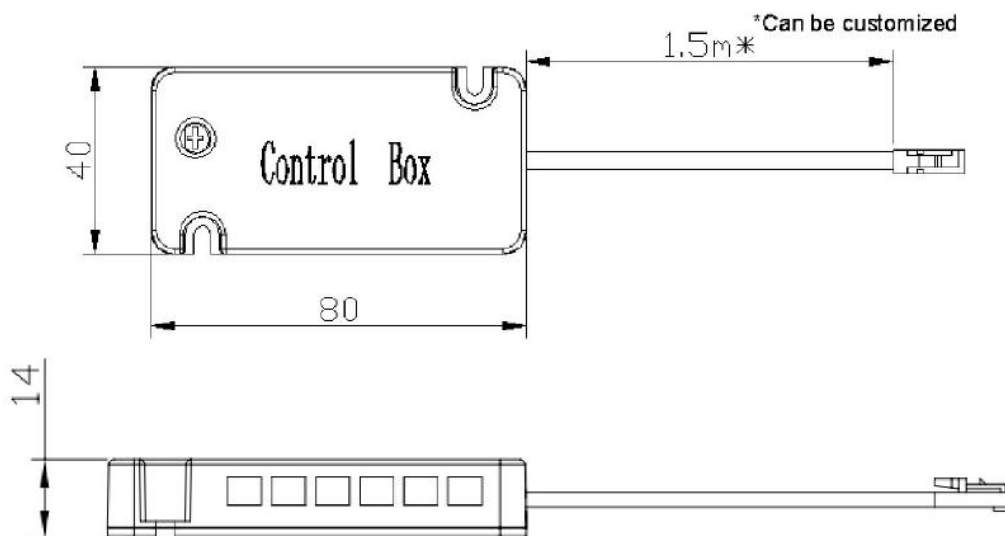If any part is damaged , the product should not be used .

Keep this instruction manual handy for future use .

The production is only for indoor and dry location .

Use only with SELV driver according EN 61347-2-13.

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Control – Box

Dimension in mm

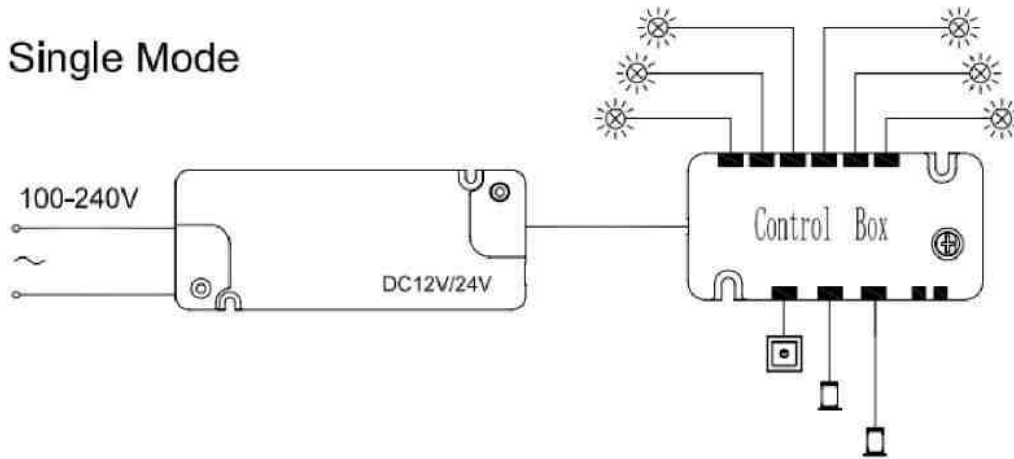| Art. No.	Rated supply	Rated load	Ta
539 490 01	12VDC	30W	-20℃ 35℃
539 490 51	24VDC	60W	

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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 control boxes can be connected with each other to increase the number of sensors and output.
7. All lights can be controlled at the same time by any sensor when using more than one control box.
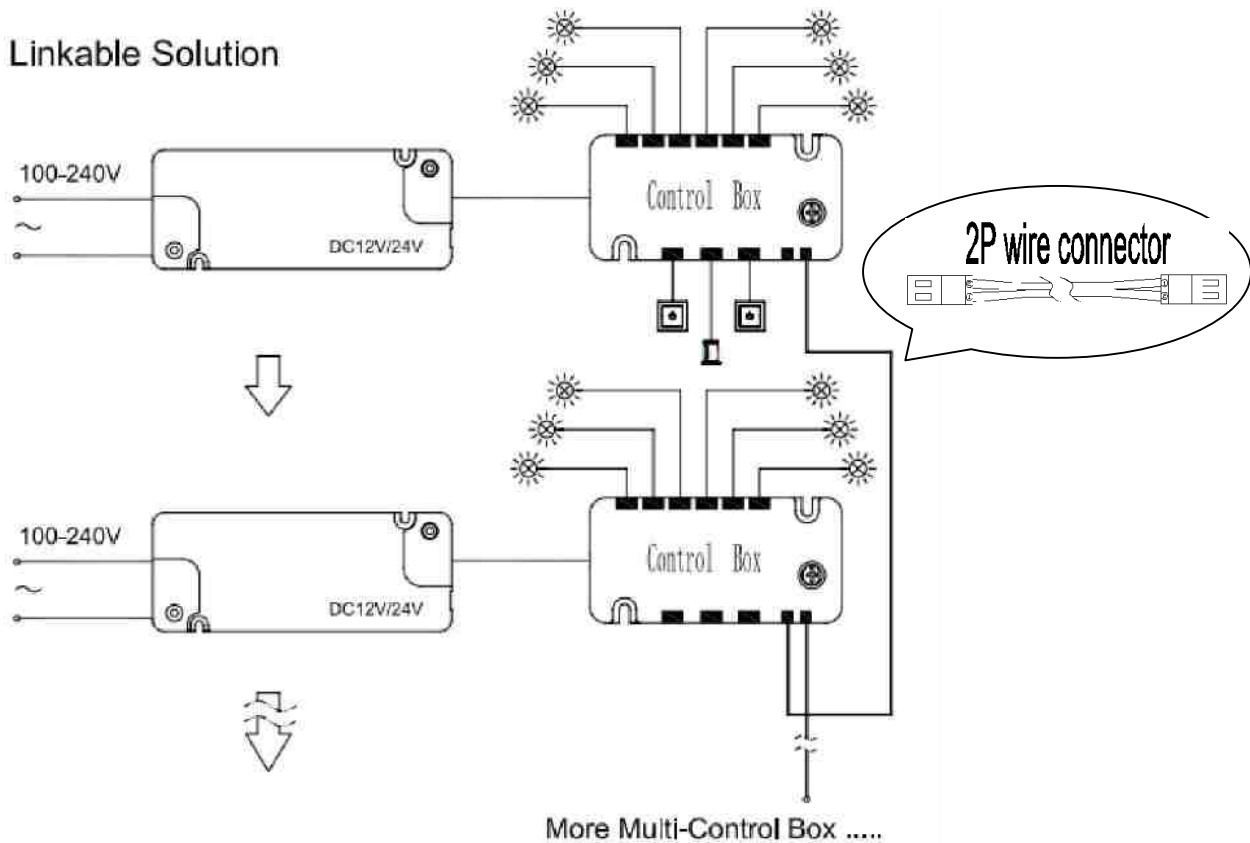
Function Definition

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.
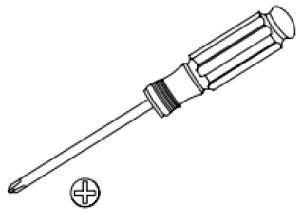
Application

Single Mode

100-240V

DC12V/24V

Control Box

Linkable Solution

100-240V

DC12V/24V

Control Box

2P wire connector

100-240V

DC12V/24V

Control Box

More Multi-Control Box .....

⚠ In multi-control mode, you can connect up to three door sensors max., these three door sensors must be connected by one control box, otherwise it will be malfunction.
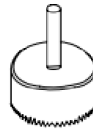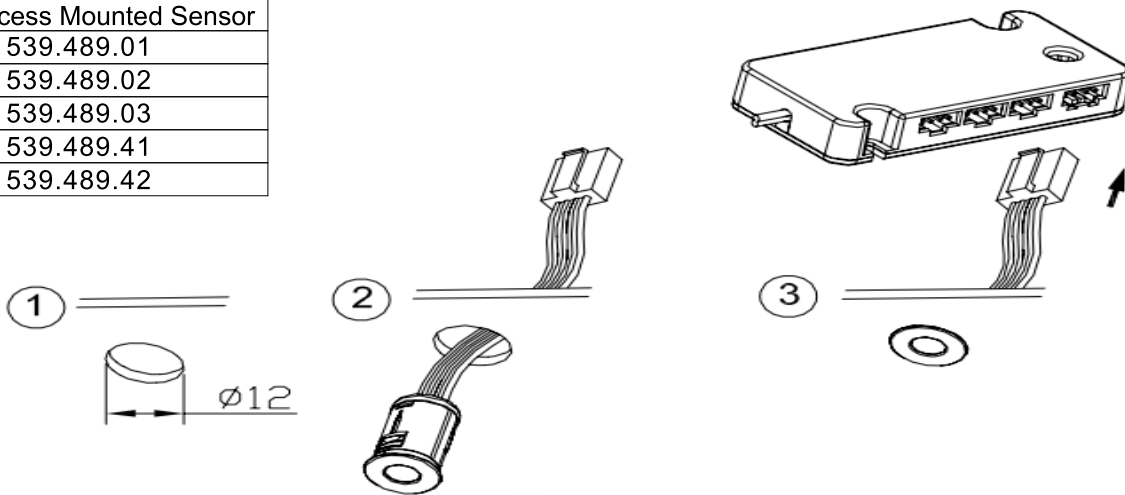
Tools and Installation

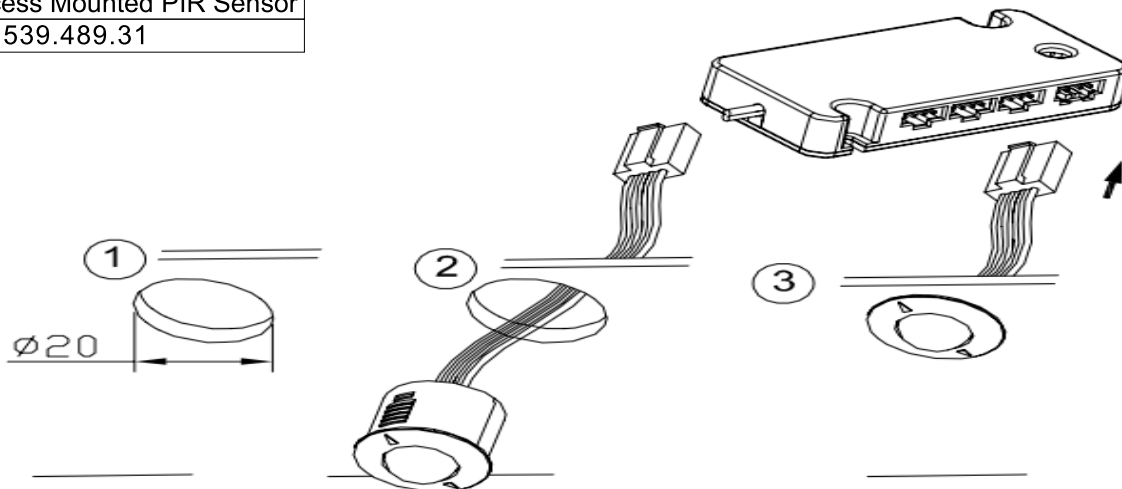

Screwdriver   Driller   Ø20mm Hole opener   Ø12mm Hole opener

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Φ12 Recess Mounted Sensor
539.489.01
539.489.02
539.489.03
539.489.41
539.489.42

①   Ø12

②

③

Φ20 Recess Mounted PIR Sensor
539.489.31

①   Ø20

②

③

Surface Mounted Sensor
539.489.11
539.489.12
539.489.13
539.489.21
539.489.22
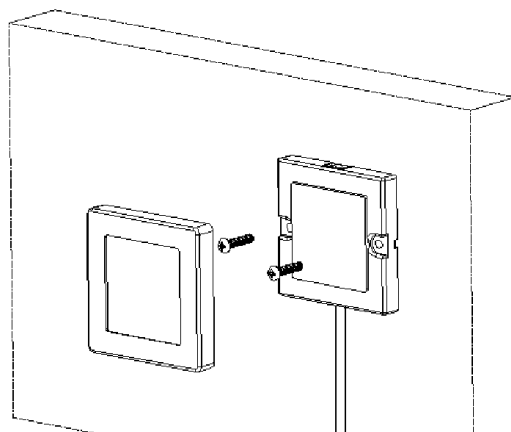
Symbol

👆	Touch ON_OFF Switch
	Touch Dimming Switch
	IR ON_OFF Switch
	IR Dimming Switch
	IR Door Switch

IR Recessed Sensor

Dimension in mm
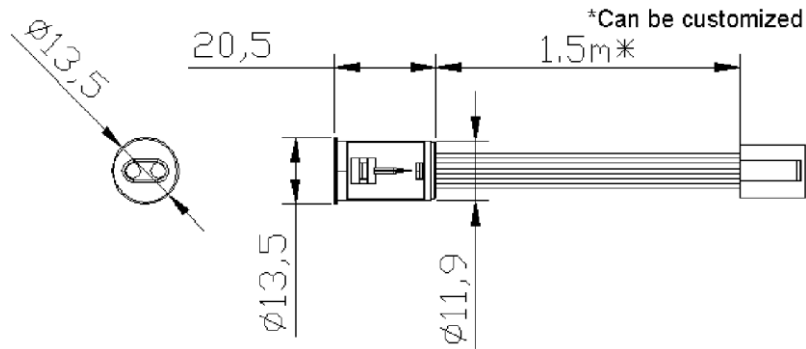
Art. No.	Description	Detection Range	Standby Power	Consumption Power	Drilling Hole
539 489 01	IR ON/OFF Sensor	0~50mm	< 0.05W	< 0.1W	Φ12
539 489 02	IR ON/OFF + Dimmer Sensor	0~50mm	< 0.05W	< 0.1W	Φ12
539 489 03	IR Door/Drawer Sensor	0~50mm	< 0.05W	< 0.1W	Φ12

⚠️ 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
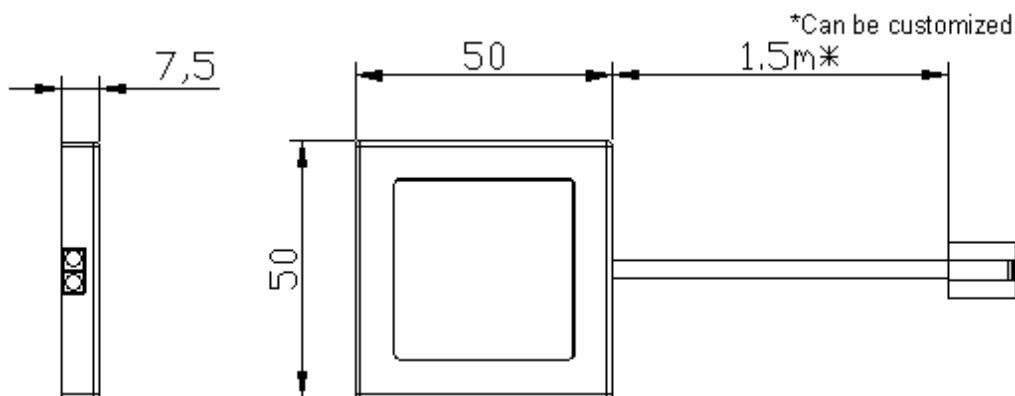
Art. No.	Description	Detection Range	Standby Power	Consumption Power	symbol
539 489 11	IR ON/OFF Sensor	0~50mm	< 0.05W	< 0.1W	
539 489 12	IR ON/OFF + Dimmer Sensor	0~50mm	< 0.05W	< 0.1W	
539 489 13	IR Door/Drawer Sensor	0~50mm	< 0.05W	< 0.1W	

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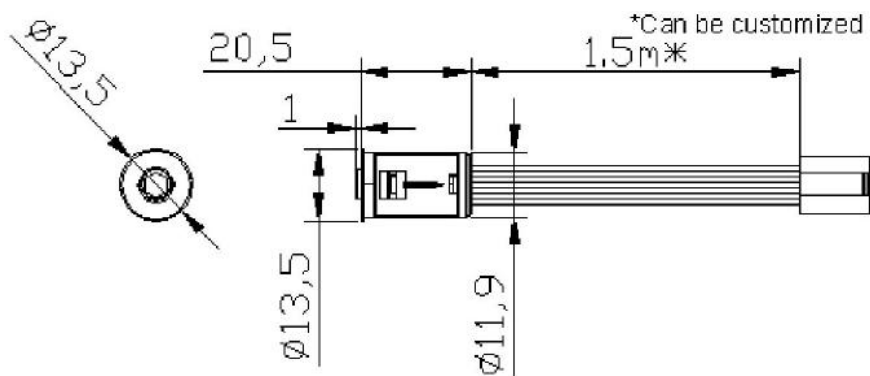2. Must be used in detection range.

Touch Surface Mounted Sensor
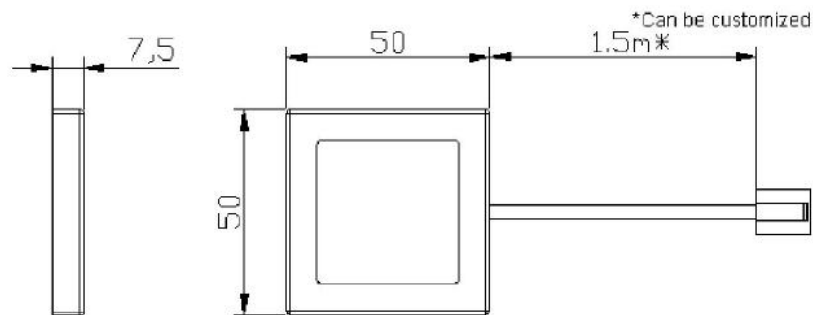
Dimension in mm

Art. No.	Description	Standby Power	Consumption Power	symbol
539 489 21	Touch ON/OFF Sensor	< 0.03W	< 0.05W	
539 489 22	Touch ON/OFF + Dimmer Sensor	< 0.03W	< 0.05W	

Push Switch

Dimension in mm

Art. No.	Description	Drilling Hole
539 489 41	ON/OFF Push Switch	Φ12
539 489 42	ON/OFF + Dimmer Push Switch	Φ12

Motion Sensor

Dimension in mm
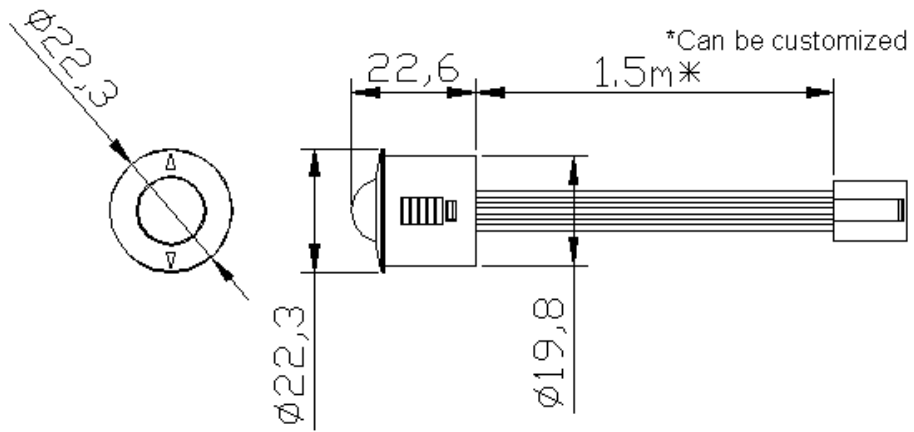
Art. No.	Description	Detection range	Standby Power	Consumption Power	Drilling Hole
539 489 31	PIR Sensor	0~3000mm	< 0.3W	< 0.5W	Φ 20

Function

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.
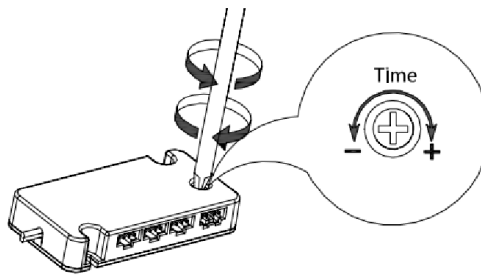
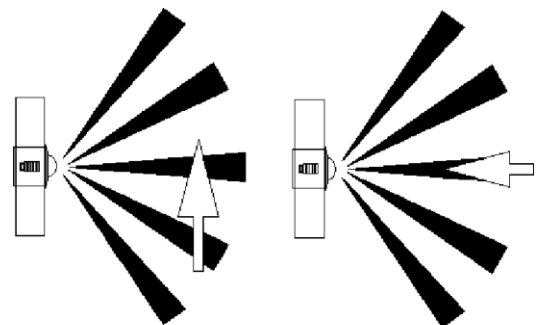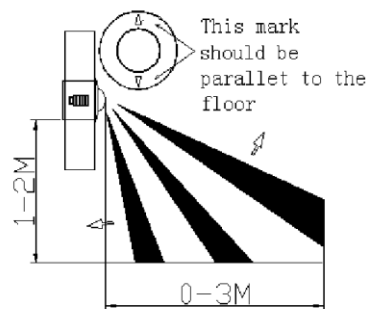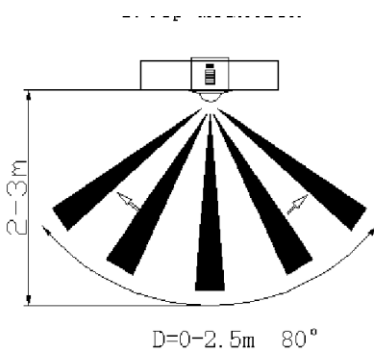| 1. Top installation | 2. Side installation | 3. Good Sensivity | 3. Poor Sensivity |

_____more sensors are designing_____