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# Sensor Switch Specification

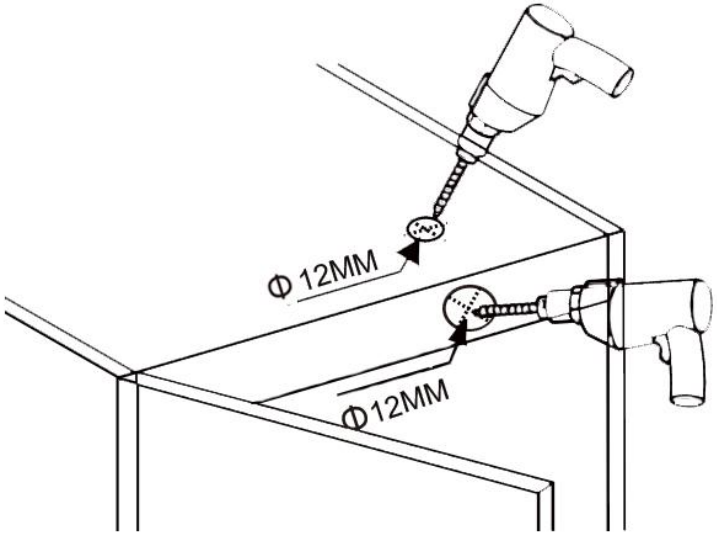
## ---Modern Series (External Version)

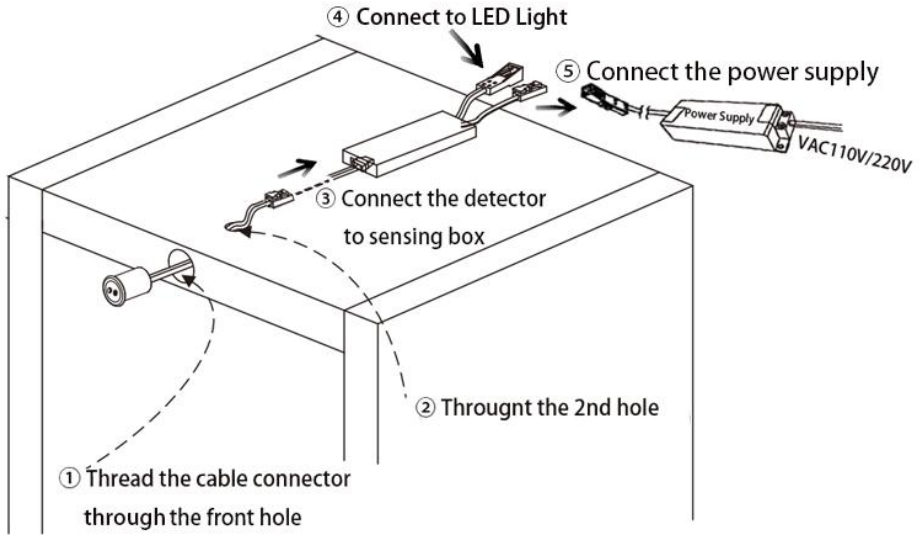
| ITEMS | LPS-TOUCH | LPS-HAND | LPS-DOOR | LPS-2DOORS | LPS-PIR |
|---|---|---|---|---|---|
| **PICTURE** |  |  |  |  |  |
| **Recessed Hole Size** | Φ12 *D16.5mm | Φ12 *D16.5mm | Φ12 *D16.5mm | Φ12 *D16.5mm | Φ12 *D16.5mm |
| **Function** | Touch ON/OFF, Long touch dimming 12-24V memory | Light automatically ON/OFF when hand pass over the sensor | Light ON when open the door,Light OFF when close the door | Light ON when open 1 door,Light OFF when close 2 doors | Light ON when people close to 1-3M detection range, Light OFF when people leave detection range after 30S. |
| **Detection Distance** | Touch | 3-8CM | 3-8CM | 3-8CM | 1-3Meters |
| **Voltage** | DC12-24V | | | | |
| **Current** | MAX 4A | | | | |
| **Power** | 12V for 48W,24Vfor 96W | | | | |
| **Mounting** | Recessed Mounting Hole Size: Φ12mm * D16.5mm Surface Mounting Clip Size: L16.5*W17*H20mm | | | | |
| **Wire Details** | > Input cable: Dupont direct male connector with 10cm 20# AWG<br>> Output cable: Dupont female connector with 10cm 20# AWG<br>> LED sensor detector cable: 26#AWG 2m | | | | |

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## Recessed Installation Instruction:

Preparing: Sensor , led strip/Led Light, power supply,cable,Connector Cables, Install tools
Drill 2 Φ12MM Hole as below 1st Picture, front hole is for detector recessed, up-hole is for threading the detector wire
Step 1: Thread the detector cable connector through the front hole. ( Remind:The distance from detector to door less than 8MM )
Step 2: Continue to thread the detector cable connector through the up-hole.
Step 3:Connect the detector wire to the sensing box
Step 4: Connect the sensor output plug to the pre-install led light ( or can connect first after power testing then install the light if it is more convenient)
Step 5: Connect sensor input plug to power supply for testing ( Must use DC12V-24V Power Input, can't use VAC Directly)

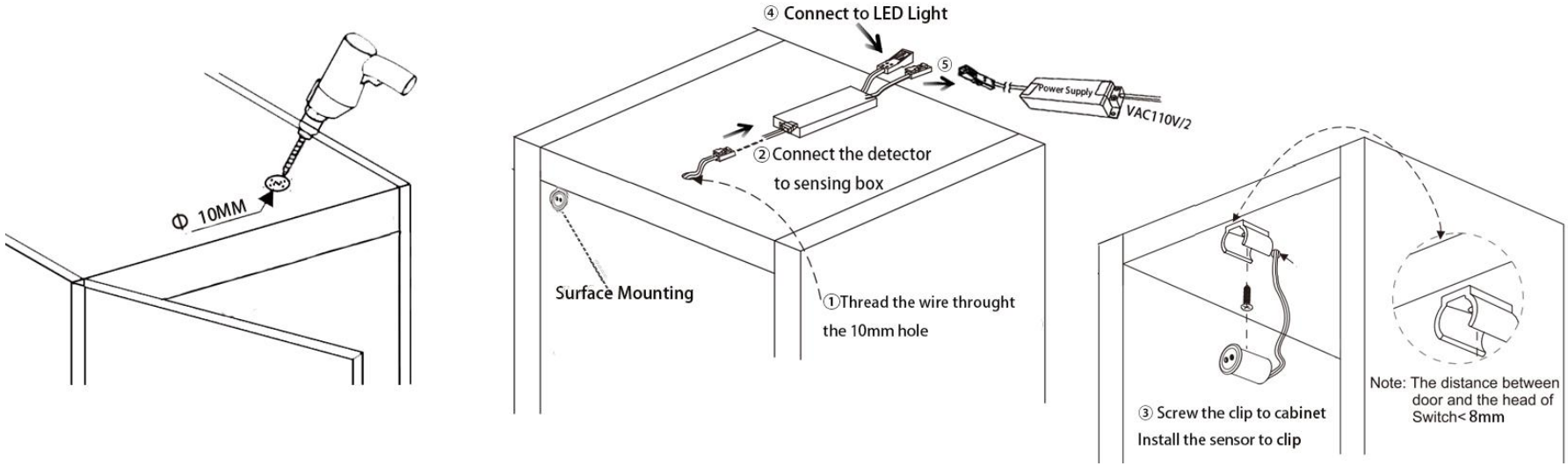


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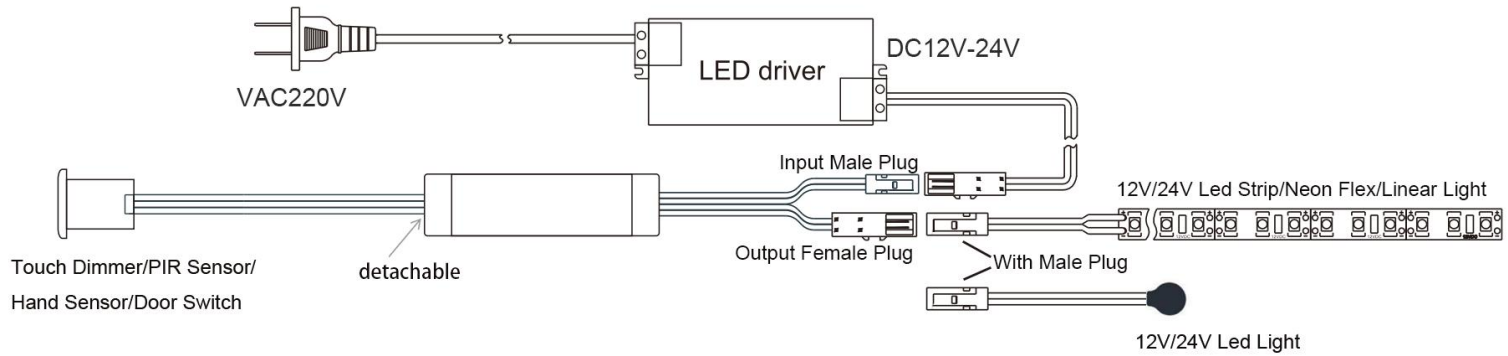
## Surface Installation Instruction:

Preparing: Sensor , led strip/Led Light, power supply,cable,Connector Cables, Install tools
Step 1:Drill a Φ10MM Hole on the wooden board, for thread the wire of the sensor detector
Step 2:Connect the detector wire to the sensing box
Step 3: Screw the surface mounting clip inside the cabinet ( The distance from detector to door less than 8MM )
Step 4: Connect the sensor output plug to the pre-install led light ( or can connect first after power testing then install the light if it is more convenient)
Step 5: Connect sensor input plug to power supply for testing ( Must use DC12V-24V Power Input, can't use VAC Directly)

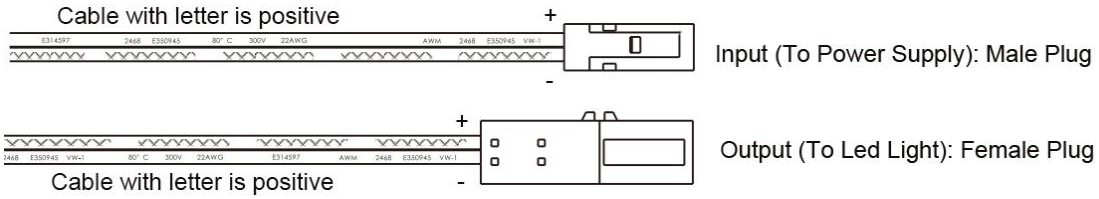


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## Diagram:




## Reminding for the wire connection:




## Cautions:

1.The sensors product is IP20 no waterproof, use for dry environment only!
2.The sensors product is 12V-24V low voltage input, can not connect to VAC Power Directly!
3.Recommend to use the constant voltage DC12V/24V led driver for application.