Litepers
Life Pursues Light, We Persist Lights!

Litepers Technology Co., Ltd
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Sensor Switch Specification

---Slim&P/D Series (External Version)

ITEMS	LPS-DOOR-S	LPS-2DOORS-S	LPS-DOOR-P-BK	LPS-DOOR-P-WH
PICTURE				
Installation Way	Surface/Recessed	Surface/Recessed	Surface/Recessed	Surface/Recessed
Recessed Hole Size	Φ7mm * D10mm	Φ7mm * D10mm	Φ10mm * L31mm	Φ10mm * L31mm
Mounting Clip Size	L16.5*W17*H20mm	L16.5*W17*H20mm	L31*W25*H13mm	L31*W25*H13mm
Function	Open Door: light on Close Door: Light off	Open 1or 2Doors: light on Close 2Door: Light off	Open Door: light on Close Door: Light off	Open 1or 2Doors: light on Close 2Door: Light off
Detection Range	5-8CM (Distance from detector to door)			
Wire Details	> Input : Dupont direct male plug with 10cm 22# AWG > Output : Dupont female plug with 10cm 22# AWG > LED sensor detector cable: 24#AWG 2meters		> Input: Dupont direct male plug with 100cm 22# AWG Cable > Output : Dupont female plug with 100cm 22# AWG Cable	
Voltage	DC12-24V			
Current	MAX 4A			
Power	12V for 48W,24Vfor 96W			

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Sensor Switch Specification

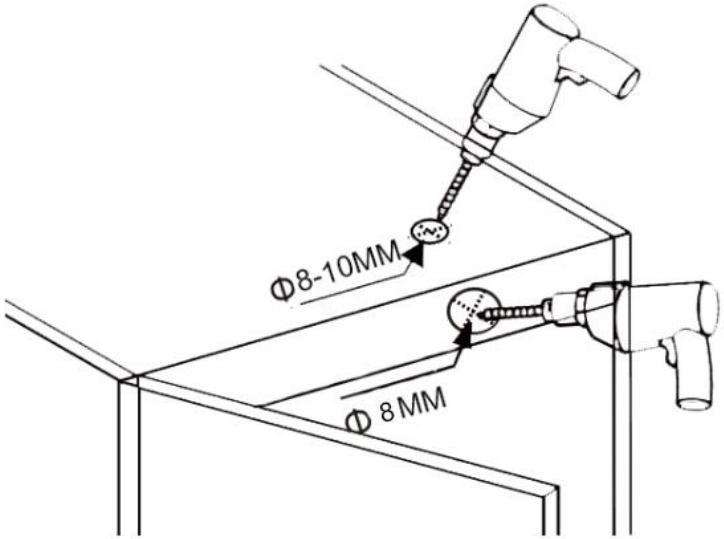
---Slim&P/D Series (External Version)

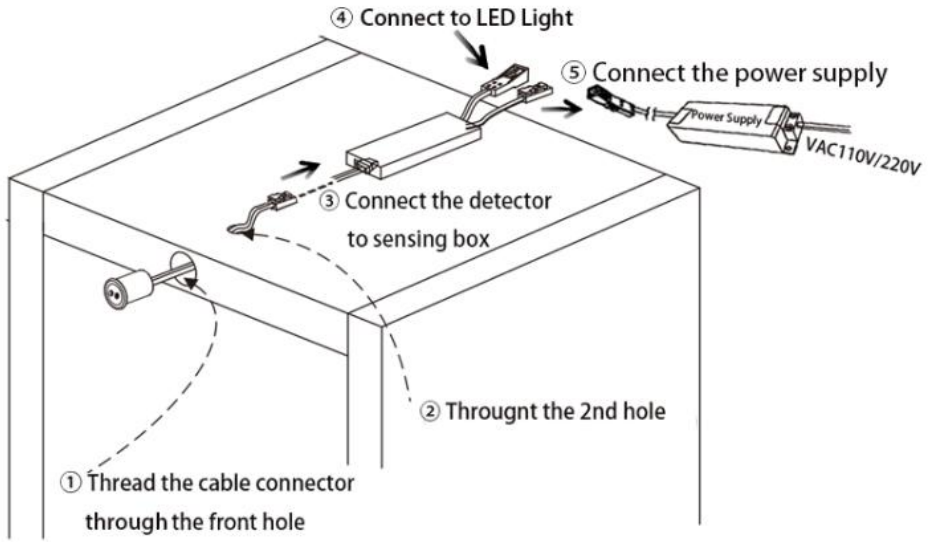
ITEMS	LPS-DOOR-D	LPS-HAND-P-BK	LPS-HAND-P-WH	LPS-PIR-P (BK/WH)
PICTURE				
Installation Way	Surface	Surface/Recessed	Surface/Recessed	Surface/Recessed
Recessed Hole Size	L41*W25*H7mm	Φ10mm * L31mm	Φ10mm * L31mm	Φ12mm * L31mm
Mounting Clip Size	/	L31*W25*H13mm	L31*W25*H13mm	L31*W18*H18mm
Function	Open 1or 2Doors: light on Close 2Door: Light off	Wave Hand: Light on/off Keep covering: dimming	Wave Hand: Light on/off Keep covering: dimming	Light ON when people close to 1-3M detection range, Light OFF when people leave detection range after 30S.
Detection Range	5-8CM (Distance from detector to door)			1-3Meters
Wire Details	> Input: Dupont direct male plug with 100cm 22# AWG Cable > Output : Dupont female plug with 100cm 22# AWG Cable			
Voltage	DC12-24V			
Current	MAX 4A			
Power	12V for 48W,24Vfor 96W			

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Recessed Installation Instruction:

Preparing: Sensor , led strip/Led Light, power supply,cable,Connector Cables, Install tools
Drill 2 holes as below 1st Picture, front hole is for detector recessed, up-hole is for threading the detector wire
LPS-DOOR-S/LPS-2DOORS-S front hole Φ7MM, D12MM, UP-Hole Φ10MM
LPS-DOOR-P, LPS-PIR-P,LPS-HAND-P 10MM, D31MM, UP-Hole Φ10MM
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)

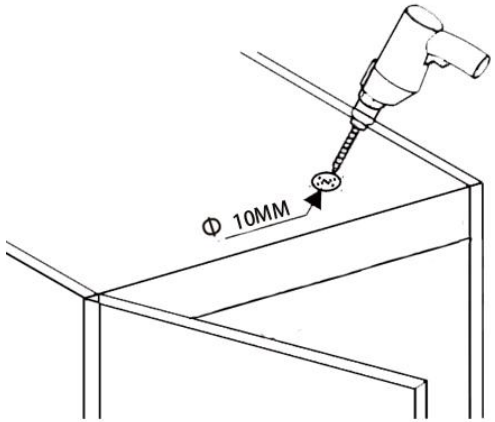


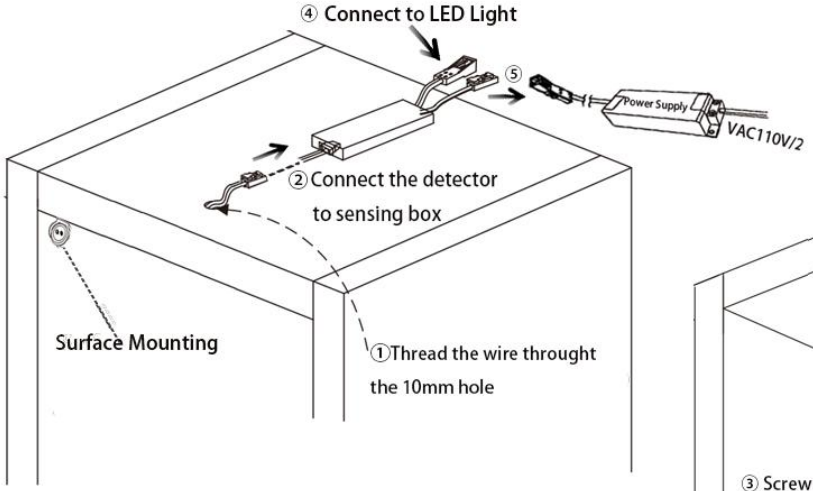


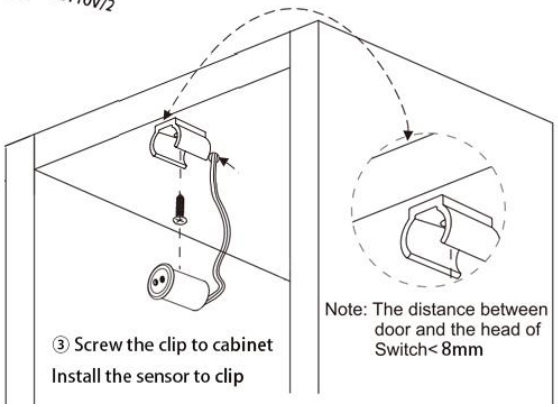
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Surface Installation Instruction:

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)

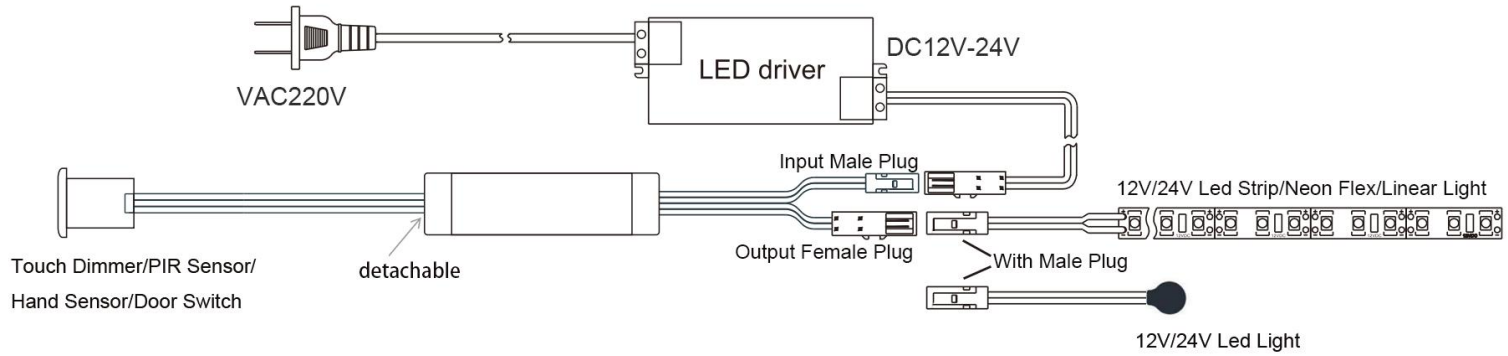




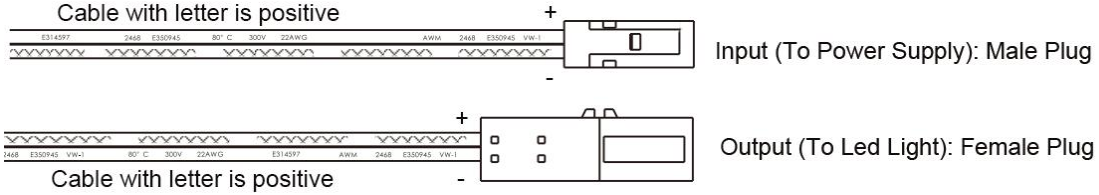


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Diagram:



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.