

Operation Instructions

Make your choice...

M-901/M901Q Laser safety sensor

M-901
Exposed installation



M-901Q
Concealed installation

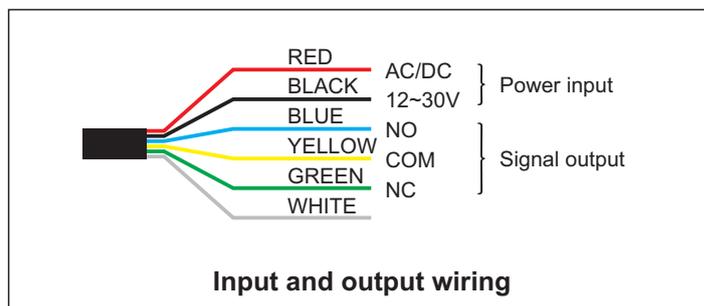
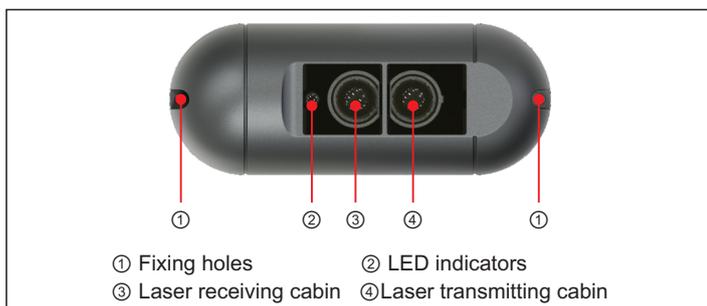


1 Safety Instructions



Thanks so much for your purchasing, please read this instruction before using

2 Product Overview And Wiring

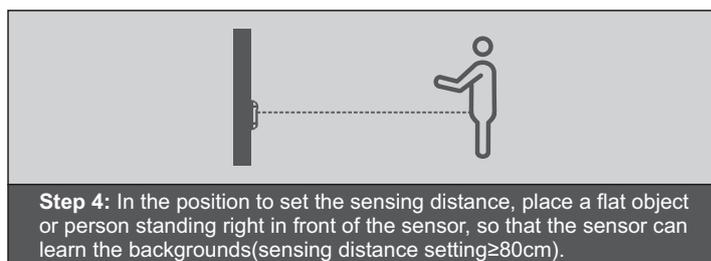
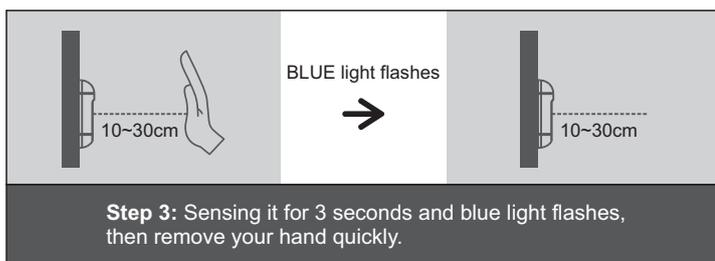
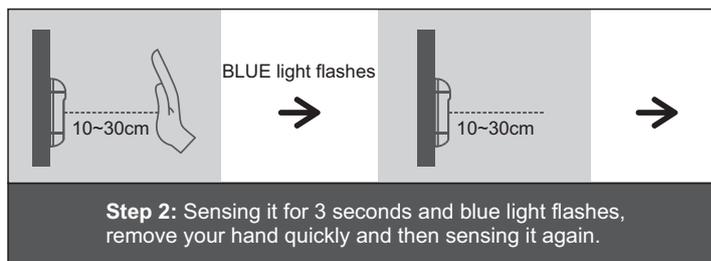
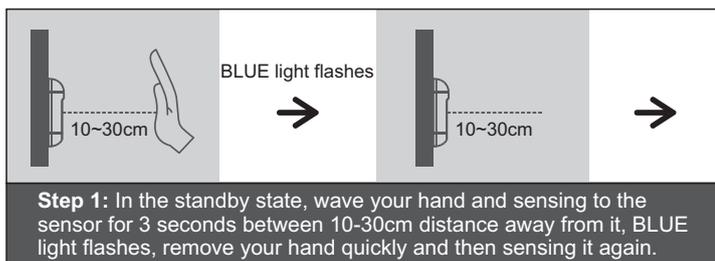


3 Installation and Debugging

Connect the power, the sensor makes "beep beep ..." sounds and BLUE light flashes quickly, it means that it's in the initial background learning state. When you hear a long beep sound, learning completed, BLUE light is always on, sensor entering into the standby state. When the sensor detects the presence of a human body or objects, RED light is on.

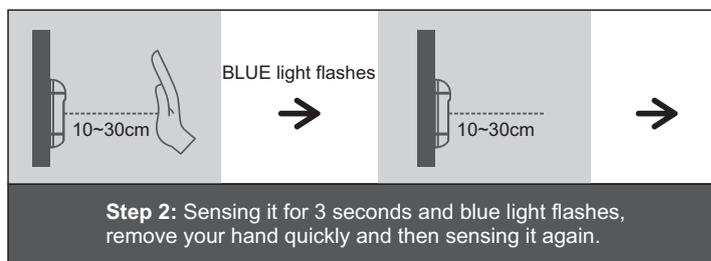
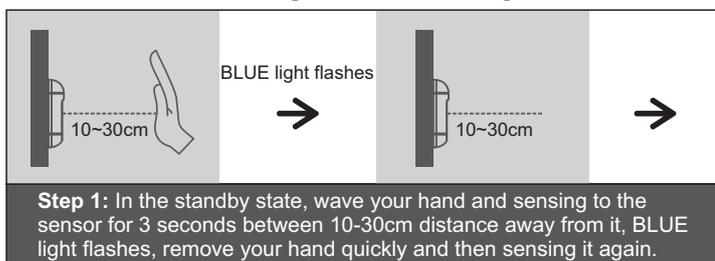
NOTE: After power-on, complete the setting within 5 minutes. If not setting due to timeout, power off and power on again, then to setting.

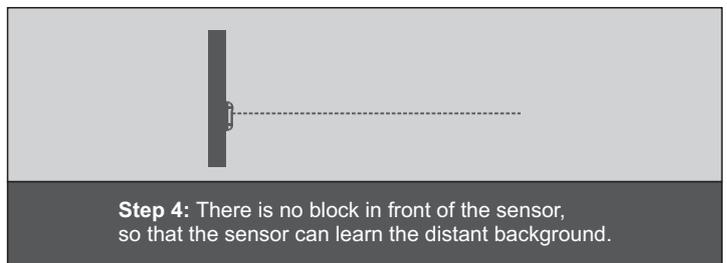
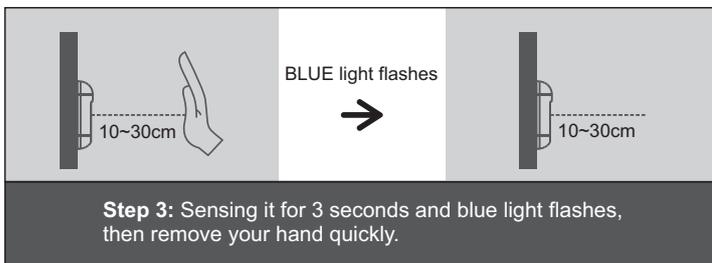
3-1. Set the sensing distance



After learning completed, the sensor makes a long beep sound, BLUE light is always on, it means learning background is completed, and entering into the standby state.

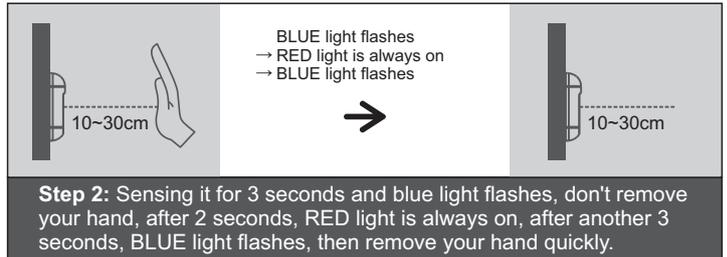
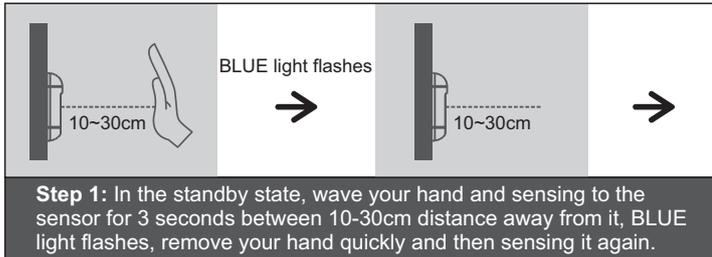
3-2. Cancel the sensing distance setting





After learning completed, the sensor makes a long beep sound, BLUE light is always on, it means learning background is completed, and entering into the standby state.

3-3. Open/close rain-proof mode

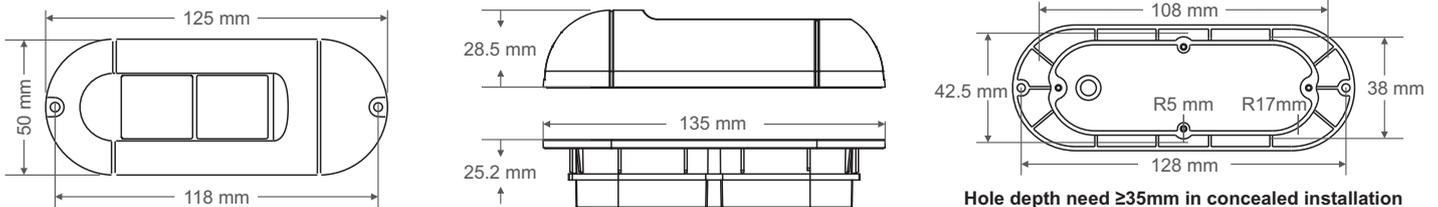


The sensor makes short "beep" sounds, it means open the rain-proof mode; or one long "beep" sound, it means close the rain-proof mode.

4 Trouble shooting

| Symbol | Cause | Method |
|-----------------------------------------------------------------------|---------------------------------------------------------|--------------------------------------|
| Indicator light don't work | Unconnect the power | Check the power supply and wiring |
| Indicator light is normal, but door can't be opened or opposite state | NO/NC signal are connected incorrectly | Reconnect the signal cable correctly |
| Power on and after learning background, RED indicator is always on | Set the sensing distance, and far than current distance | Cancel the sensing distance setting |
| Sensing distance is too near | Inductive distance cutting has been set | Reset the sensing distance cutting |

5 Dimension



6 Technical Parameter

| | |
|---------------------------------------------------------|--------------------------------------------------------------------|
| Detection principle: Time of Flight (TOF) | Working temperature: -20°C~60°C |
| Light medium: 890nm infrared laser | Working voltage: AC/DC 12-30V |
| Laser category: Class I eye-safe laser | Standby current: 52mA(12V power) |
| Detection diameter: 100mm light spots(2.8meters height) | Action current: 74mA(12V power) |
| Detection reaction time: ≤ 50 ms | Signal output: Relay NO or NC |
| Max detection distance: 10 meters | Trigger mode: Moving or stationary |
| Min cutting distance setting: 80cm | Function instruction: LED indicator, standby: BLUE, detection: RED |
| Waterproof grade: IP67 | Shell material: ABS, PC |

7 Packing List

| NO. | NAME | QUANTITY | REMARK |
|-----|-----------|----------|--------|
| 1 | Sensor | 1 pc | |
| 2 | Screw bag | 1 bag | |
| 3 | Manual | 1 pc | |