Infrared Touchless Switch (J-Wave)

User Manual



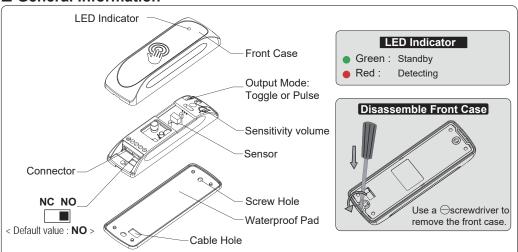
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The J-Wave is a highly sensitive, high performance switch designed to activate automatic doors by detecting the movement of a person or object. For the safe and accurate use of this product, please read this instruction manual carefully.

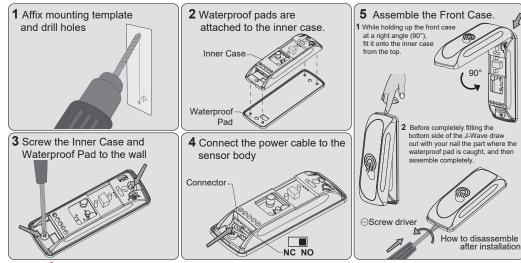
1 Technical specifications

| Composition | Proximity Sensor Switch | 1EA |
|---------------|--------------------------|-----------------------------------|
| | Cable | 1EA |
| | Mounting Template | 1EA |
| | Screw | 2EA |
| | User Manual | 1Copy |
| Specification | Power Supply | DC12~30V, AC12~24V |
| | Dimensions | 40mm × 117mm × 19.5mm (W × L × H) |
| | Technology | Active Infrared |
| | Detection Range | 10~30cm ±3~5cm |
| | Detection Mode | Motion |
| | Output | Relay Contact (1A/30VDC) |
| | Output Hold Time | 1~2 Sec. (PULSE mode) |
| | Current Consumption | ⟨ 1,5W |
| | Operating Temp/Humidity | -20°C~+50°C / 0~90% |
| | International Protection | IP54 |

2 General Information



3 Installation Guide



Caution

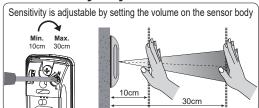
Do not supply power during installation.

Do not disassemble or modify the device, it may cause fire or electric shock

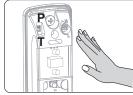
4 Wiring Diagram

2 power wires & 2 relay contact wires. POWER LINE DC 12~30V AC 12~24V (Yellow) CONTACT LINE

5 Sensitivity Adjustment

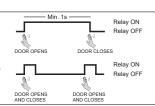


6 Toggle mode / Pulse mode



Toggle mode: Recommended for Switch applications. In toggle mode, a detection activates the relay and a second detection deactivates it again. In door applications, the door stays open after the first activation.

Pulse mode: Recommended for automatic door applications. In pulse mode, a detection activates the relay for a short period of time (depending on the duration of the movement in front of the sensor)



7 Mounting Information



