Microwave Touchless Switch (MG100)

Instruction Manual

CE 2150 FC FCC ID: U.S., Canada IC: 6902A-IPM165US

The MG100 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

Technology: Microwave Motion Sensor

Microwave Module: 24.125GHz

Product Size: 85.9mm × 85.9mm × 20mm (W × L × H)

Detection Range [Hand]: ±5~40cm Detection Mode: Motion (Bi-directional) Speed of Target: Min. ±3cm/s, Max. ±1.5m/s Power Supply: DC 12~30V, AC 12~24V

Current Consumption: < 1.4W

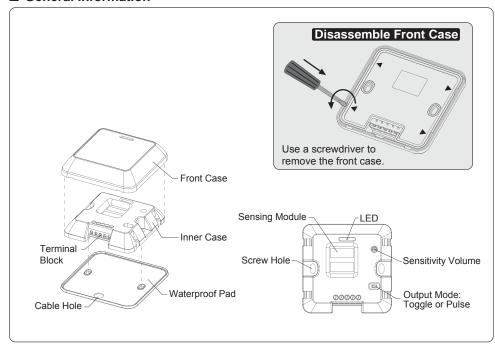
Output: Relay Contact (1A/24VDC)

Output Hold Time: 1.2Sec. (PULSE mode)

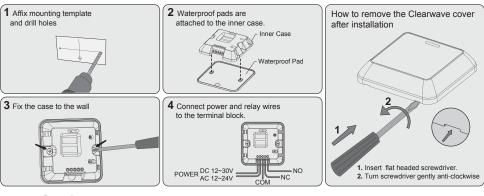
Operating Temp/Humidity: -20°C~+50°C/0~90%

International Protection: IP55

2 General Information



3 Installation Guide





Caution

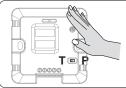
Do not supply power during installation.

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

4 Sensitivity Adjustment

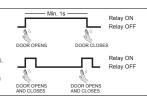


5 Toggle mode / Pulse mode



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)



6 Mounting Information

