

Operation Instruction

M-514 Narrow Wired Touchless Infrared Induction Switch



1 Safety Instruction

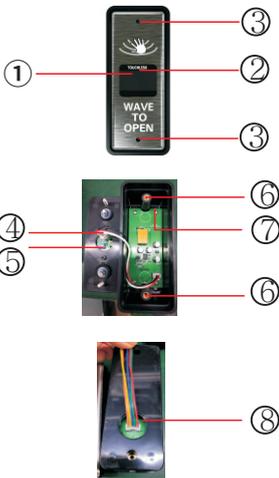
Thanks for purchasing this product. In order to use this product correctly, please read this manual carefully before use.

Avoid sunshine directly to the sensing window when installation, otherwise it will cause the sensing distance get shorter

2 Overall Product Characteristics

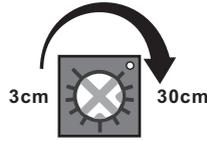
- Narrow size design ,more flexible installation
- Adopts infrared modulation and demodulation, which is not easy to be misjudged by interference.
- Non-contact induction with hands or reflective objects, clean and hygienic.
- The induction distance is adjustable from 3-30cm. It can be adjusted to different setting.
- High sensitivity infrared , quick response.
- Relay signal output, can be used with automatic door and access control.
- Wide voltage input is AC/DC 12 ~ 24V power.

3 Overview of Product



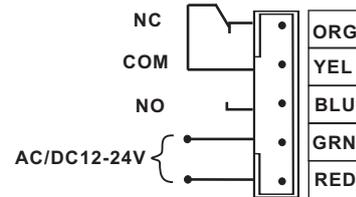
- LED indicator (standby red light flashes for 1.5 seconds, action blue light flashes)
- Inductive window
- Panel disassembly screw holes
- Connect cable
- Infrared induction distance adjustment knob
- Panel fixing screw column
- Control box fixing screw hole
- Mounting connect socket

4 Induction distance adjustment

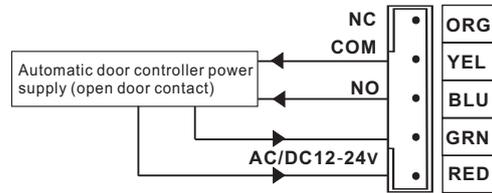


The clockwise direction the induction distance becomes farther, the counterclockwise direction the induction distance becomes closer, and the maximum induction distance is 30cm.

5 I/O wiring definition



6 The wiring diagram



7 Parameters

Power supply	AC/DC 12-24V
Static current	7.2mA (DC12V power supply)
Action current	42mA (DC 12V power supply)
Infrared modulation frequency	38KHz
Response time	30ms
Infrared scanning interval	10ms
Output holding time	0.5s
Temperature range	-40°C~45°C (-43.6°F~+113°F)
Working humidity	10~ 90%RH
External dimension	121mm (L) ×51mm (W) ×45.5mm (H)

CE Certification

EN300440, EN301489-1, EN301489-3, EN62479, EN62368-1

FCC ID: 2AW20CNB-514

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: This device may not cause harmful interference