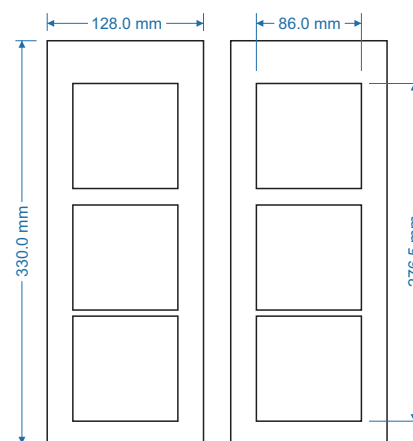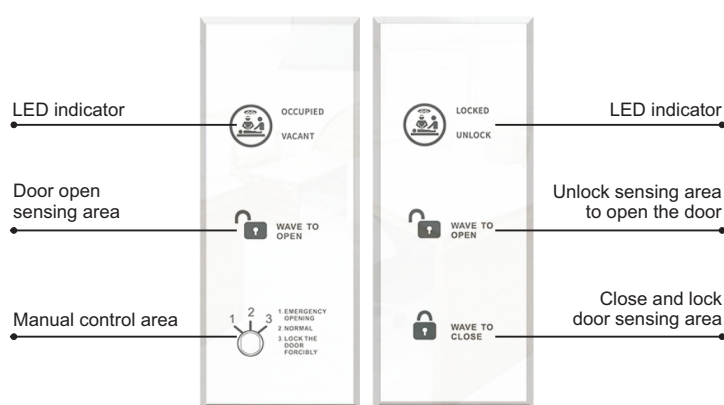# Operation Instruction

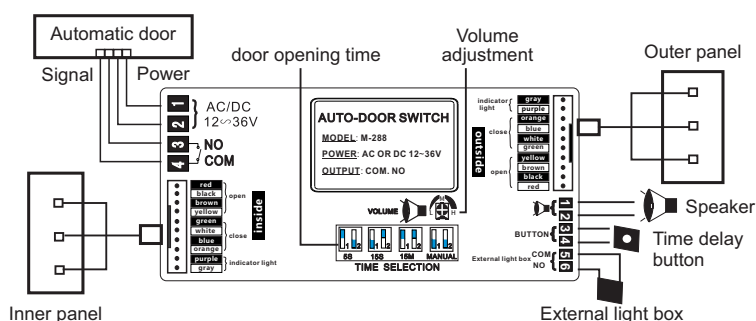## M-288 Non-contact switch for special room

| **1** | **Safety Instruction** |

⚠ This device must use a low voltage with protected safety insulation, all commissioning and repair work must be installed by a professional engineering installer.

| **2** | **Product Overview** |

LED indicator

Door open sensing area

Manual control area

OCCUPIED
VACANT

WAVE TO OPEN

1 2 3
1.EMERGENCY OPENING
2.NORMAL
3.LOCK THE DOOR FORCIBLY

LOCKED
UNLOCK

WAVE TO OPEN

WAVE TO CLOSE

LED indicator

Unlock sensing area to open the door

Close and lock door sensing area

128.0 mm   86.0 mm
330.0 mm   276.5 mm

| **3** | **Wiring Diagram** |

Automatic door
Signal   Power
door opening time
Volume adjustment
Outer panel

AC/DC 12~36V
NO
COM

AUTO-DOOR SWITCH
MODEL: M-288
POWER: AC OR DC 12~36V
OUTPUT: COM. NO

VOLUME
TIME SELECTION
5S   15S   1M   MANUAL

Inner panel

red black brown yellow green white blue orange purple gray
open
close
indicator light
inside

indicator light
gray purple orange blue white green yellow brown black red
close
open
output

BUTTON
External light box   COM NO

Speaker
Time delay button

External light box

External panel wiring instruction:
Red, black, brown, yellow → Door open induction area
Green, white, blue, orange→Key manual control area
Purple, grey→LED indicator

Internal panel wiring instruction:
Red, black, brown, yellow→Door unlock induction area
Green, white, blue, orange→Door lock induction area
Purple, grey→LED indicator

| **4** | **Operation** |

[1] After power on, in standby mode, "VACANT" indicator of the outer panel is on, "UNLOCK" indicator of the inner panel is on.
[2] Wave hand to sense the outer panel's door open sensing area, automatic door is open, and with a voice prompt of "Door is opening".
[3] After entering the room, wave hand to sense the inner panel's close and lock sensing area, automatic door will be locked, and with a voice prompt of "Door is closing". If more than 5 seconds without any closing instructions, it will have a voice prompt "Enter the room, please wave hand to lock"
[4] After locked, "OCCUPIED" indicator of outer panel is on, "LOCKED" indicator of inter panel is on. At this time, if someone wave hand to sense the outer panel, it will have a voice prompt "Occupied" and door won't be opened.
[5] When the person inside is done, wave hand and sense the door open sensing area, automatic door is open and it will have a voice prompt "door is opening".
[6] After the person inside came out, automatic door will be closed automatically according to the setting time of the dial switch, or wave hand to sense the outer panel's door close sensing area, door will be locked. At the same time, it will have a voice prompt "door is closing", the system return to standby state.
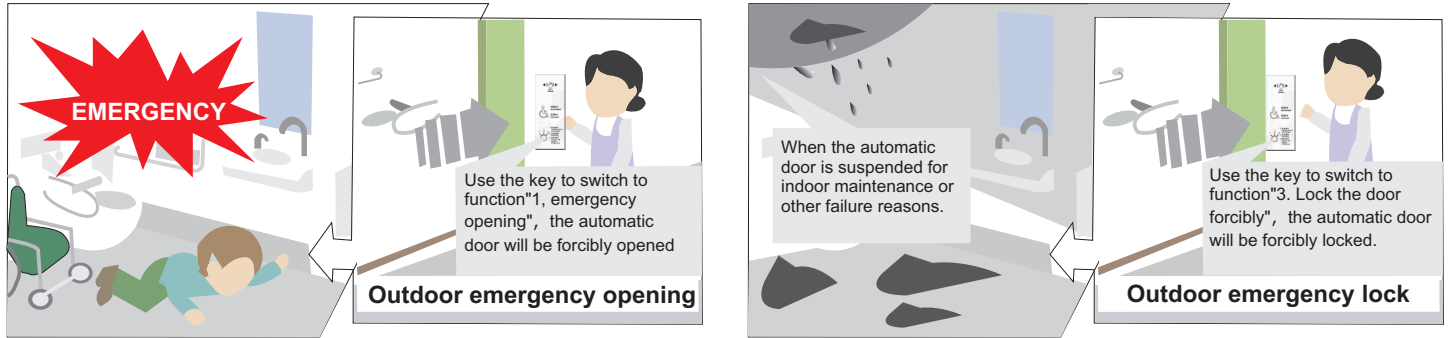**NOTE:**
[1] When sense the inter panel's door open sensing area, after 5 seconds, then you can effectively sense the inner panel's close and lock sensing area

to set the locked mode, otherwise it will have a voice prompt of "Door is invalid locked, please press the lock button again".

[2] When in the standby mode for more than 1 minute, you must first sense the inner/outer panel's door open sensing area, and after 5 seconds, to sense the inner panel's close and lock sensing area, then door can be locked successfully.

[3] When the DIP button of door opening hold time is set to manual mode, please ignore the above two items.
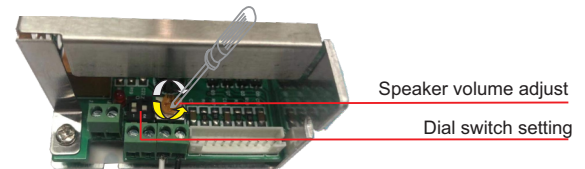
5   Special operation

Use the key to switch to function"1, emergency opening", the automatic door will be forcibly opened

Outdoor emergency opening

When the automatic door is suspended for indoor maintenance or other failure reasons.

Use the key to switch to function"3. Lock the door forcibly", the automatic door will be forcibly locked.

Outdoor emergency lock

6   Adjustment

[1] Volume adjustment: Adjust the position of the speaker volume, clockwise adjust for high volume, counter clockwise to adjust for low volume.
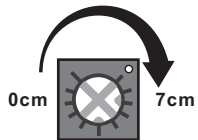
[2] Door open hold time adjustment:

DIP Switch	Door opening time adjustment			
	↑↓ 1 2	↓↑ 1 2	↑↑ 1 2	↓↓ 1 2
Setting	5s	15s	15min	Manually

Speaker volume adjust

Dial switch setting

Note:
(1) 5s,15s,15min, these time means when sensing and open the door, if without any closing instructions, door will close after arrived this setting time.
(2) Manually setting means when sensing and open the door, you must wave hand to close the door, if without any actions, door will remain open state.

[3] Sensitivity adjustment:

0cm   7cm

The clockwise direction the induction distance becomes farther, the counterclockwise direction the induction distance becomes closer, and the maximum induction distance is 7cm.
Note: the adjustment button is on the back of the panel.

7   Troubleshooting

Symbol	Reason	Methods
Cannot learn background after sensing the panel	1,Check if there are any metal objects nearby	Keep away from metal objects
	2,Excessive interference from external power supply	Connect the Ground Wire of the controller to the ground
The sensing distance is near or sensing frequency is high	Too low or too high sensitivity adjustment	Adjust potentiometer of the back of the panel to proper sensing distance.
The internal and external panel control door opening and closing sequence is abnormal	Confirm whether the wiring is correct	Please follow the instructions to complete the wiring

8   Parameter

Working Voltage:	AC/DC 12~36V
Standby Current:	110mA (12Vpower)
Action Current:	135mA (12Vpower)
Voice:	English, Chinese, Cantonese (customizable)
Output:	Relay dry contact
Speaker:	4-8Ω, 1-5W external speaker

Light case:	Can be connect to indicator light box
Door open hold time:	5s, 15s, 15mins, Manually
Sensing distance:	0-7cm
External Panel Size:	330(L)x128(W)x15(H)mm
Internal Panel Size:	330(L)x128(W)x15(H)mm
Main Controller Size:	143(L)x60(W)x40(H)mm

9   Packing List

Controller *1, Inner panel *1, Outer panel *1, 10-Pin wiring(5.5 meters) *2, Instructions *1, Horn *1, Key *2