Operation Instructions

M-288F Non-contact Switch For Special Room

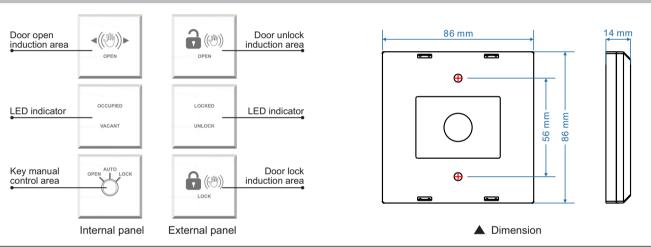| OPEN	OPEN
OCCUPIED / VACANT	LOCKED / UNLOCK
OPEN — AUTO — LOCK	LOCK

---

1 Safety instructions

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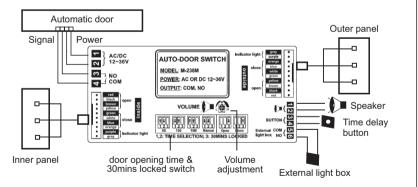
---

2 Product Overview

Door open induction area — OPEN

Door unlock induction area — OPEN

LED indicator — OCCUPIED / VACANT

LED indicator — LOCKED / UNLOCK

Key manual control area — OPEN AUTO LOCK

Door lock induction area — LOCK

Internal panel   External panel

86 mm   14 mm

56 mm   86 mm

▲ Dimension

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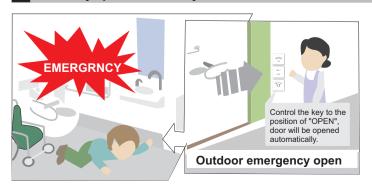
External panel wiring instruction:
Red, black, brown, yellow → Door open induction area
Green, white, blue, orange→Key manual control area
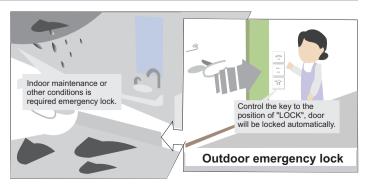Purple, grey→LED indicator

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

Automatic door

Signal   Power

AC/DC 12~36V
NO COM

AUTO-DOOR SWITCH
MODEL: M-238M
POWER: AC OR DC 12~36V
OUTPUT: COM. NO

Indicator light

Outer panel

VOLUME

BUTTON

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

inside

gray / purple / orange / blue / white / green / yellow / brown / black / red

outside

close   open

0S 10S 15M Manual Open Close
1,2: TIME SELECTION; 3: 30MINS LOCKED

External light box

Speaker

Time delay button

Inner panel   door opening time & 30mins locked switch   Volume adjustment   External light box

---

3 Manually operation with key

EMERGRNCY

Control the key to the position of "OPEN", door will be opened automatically.

Outdoor emergency open

Indoor maintenance or other conditions is required emergency lock.

Control the key to the position of "LOCK", door will be locked automatically.

Outdoor emergency lock

4   Using Process

[1] On standby state, the external panel "Vacant" indicator light is on, the internal panel "Unlock" indicator light is on.
[2] Wave hands to sense door open induction area on the external panel, automatic door will open. At the same time, there is a voice prompt "Door is opening".
[3] After entering the room, wave hands to sense the external door lock induction area, door will automatically close and lock. At the same time, there will be a voice prompt "Door is closing". If there is no wave closed more than 5 seconds, there will be a voice prompt "Enter the room, please wave your hand and lock the door".
[4] After door is locked, the "Occupied" indicator light of the external panel is on, and the"Locked" indicator light of the internal panel is on. At this time, if someone wave hands to sense the door open or close induction area on the external panel, will issue a "Occupied" voice prompt and the door will not be opened.
[5] When the people inside need go out, wave hands to sense the door open induction area, the door will open automatically and there will be a voice prompt "Door is opening".
[6] When people come out, the automatic door will be closed automatically accordingto the setting time of the dial switch or wave hands to door close induction area, the automatic door will be closed immediately. At the same time, there will be a voice prompt "Door is closing" and the system will return to the standby mode.

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.
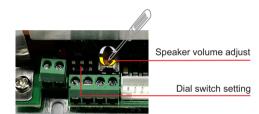
> ⚠ NOTE: The system into the locked state and 25 minutes without any action indication, there will have a voice prompt "please note that this system will be unlocked after 5 minutes, if you need to continue to use, please push the confirm button, thank you". At this time, please sensing the door lock area of internal panel or push the Time Delay Button, the system will extend 30 minutes of use time automatically. If no any operations, the system will unlock after 5 minutes. This function can be canceled by NO.3 dial switch.

5   Adjustment

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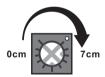
[2] Door open hold time adjustment:

DIP Switch	Door opening time adjustment				30mins locked function	
	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3
Setting	5s	15s	15min	Manually	Open (Lock time for 30 minutes)	Close (Lock time no limit)

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.

6   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

7   Parameter

Working Voltage	AC/DC 12~36V	Light case	Can be connect to indicator light box
Current	Standby 110mA, action 135mA (12Vpower)	Closing Delay	5s, 15s, 15mins, Manually
Voice	English, Chinese, Cantonese (can be customized)	Sensing distance	0-7cm
Output	Relay dry contact	Panel Size	86(L)x86(W)x14(H)mmx6pcs
Speaker	4-8Ω, 1-5W external speaker	Main Controller Size	145(L)x57(W)x38(H)mm

8   Packing List

Controller *1, Inner panel *3, Outer panel *3, 10-Pin wiring(meters) *2, Instructions *1, Horn *1, Key *2