

Operation Instructions

Make your choice...

M-523 86 Size Non-contact Restroom Switch Kit

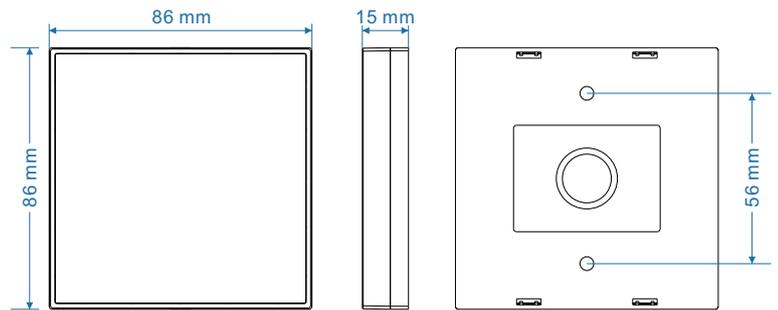
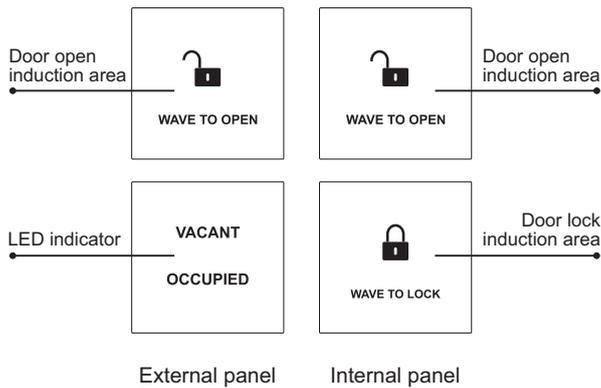


1 Safety instructions



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



▲ Dimension

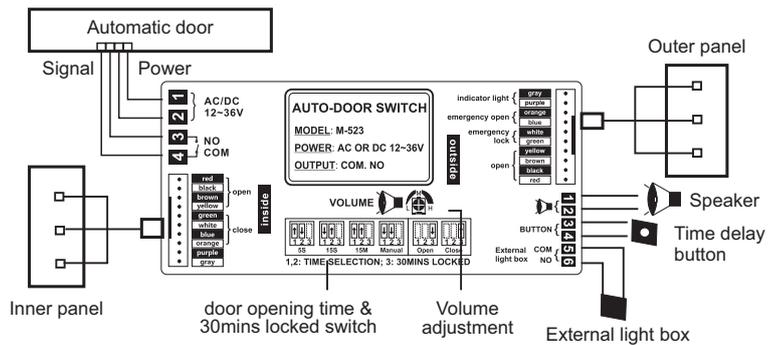
Wiring diagram:

External panel wiring instruction:

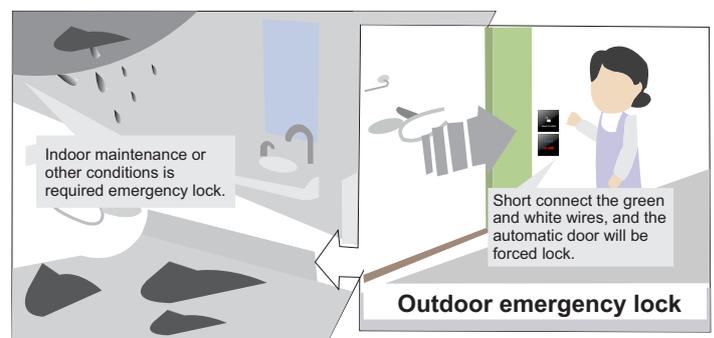
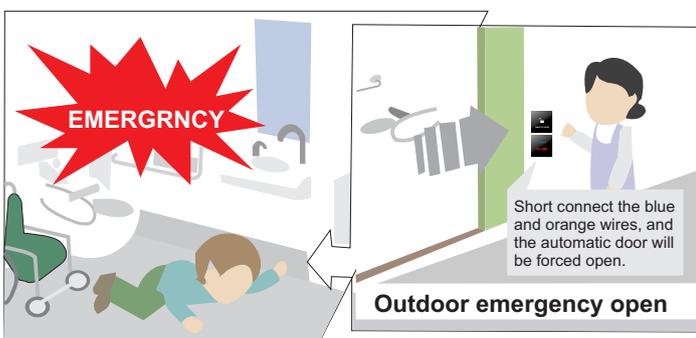
Red, black, brown, yellow → Door open induction area
 Blue, orange → Emergency force opening function (short-circuit)
 Green, white → Emergency force locking function (short-circuit)
 Purple, grey → LED indicator

Internal panel wiring instruction:

Red, black, brown, yellow → Door unlock induction area
 Green, white, blue, orange → Door lock induction area
 Purple, grey → LED indicator



3 Special operation



Note: When the automatic door is in the emergency lock state, if you want to use the washroom, you have to perform emergency opening function before use it.

4 Using Process

- [1] When power on and in the standby state, the external panel "VACANT" indicator with blue light.
- [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 actions 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 external panel's "OCCUPIED" indicator with red light, and the internal panel's "door lock induction area" with red light. 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 according to 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 internal panel's door open sensing area, you can sense the internal panel's door close and lock sensing area after 5 seconds to set the locked mode, or 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 internal/external panel's door open sensing area, and after 5 seconds, to sense the internal 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.

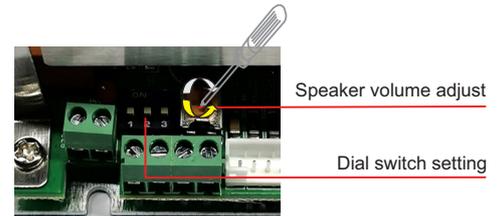


NOTE: The system into the locked state and 25 minutes without any action indication, there will have a voice prompt "please note that this system will be unlocked after 5 minutes, if you need to continue to use, please push the confirm button, thank you". At this time, please sensing the door lock area 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:**

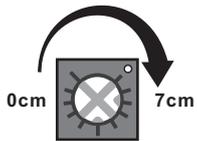
	Door opening time adjustment				30mins locked function	
DIP Switch						
Setting	5s	15s	15min	Manually	Open (Lock time for 30 minutes)	Close (Lock time no limit)



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:**



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 130mA, action 150mA (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)x15(H)mmx4pcs
Speaker	4-8Ω, 1-5W external speaker	Main Controller Size	145(L)x57(W)x38(H)mm

8 Packing List

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