

Operation Instructions

Make your choice...

M-522 Capacitive Sensing Switch Kits

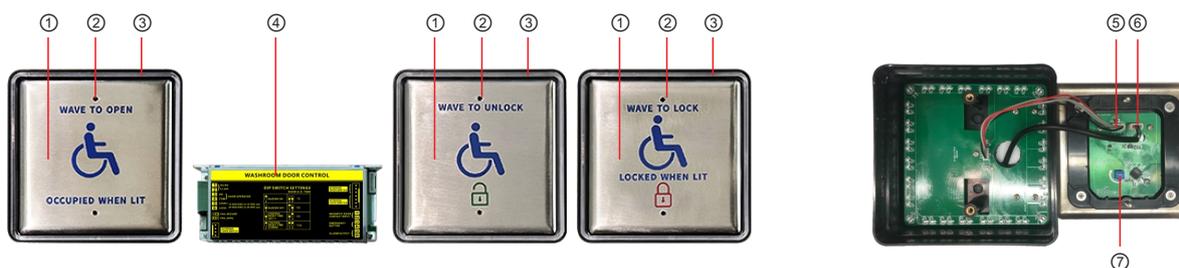


1 Safety Instruction



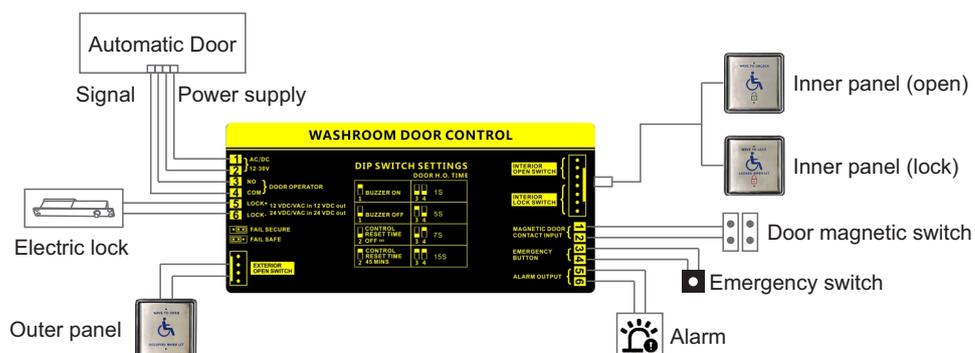
Thanks for your purchasing, please refer to the following before using.

2 Product Overview



- ①Sensing panel ②Screw holes ③LED indicator lights ④Controller
⑤LED light connection socket ⑥Controller connection socket ⑦Sensing distance adjustable knob

3 Wiring Diagram



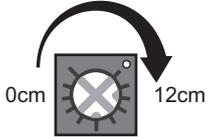
NOTE:

- 1, Controller power input is 12V power, also electric lock should be 12V; Or 24V for both.
- 2, When the door magnetic signal detection is effective, sensing the panel can be locked, or no reaction.

4 Use Process

- 1, When the first power on, with long beep sound, outer panel will initialize learning, and blue light is on. 2 pieces inner panel will initialize and blue light flashing, and the sensing panel is in the learning background state, after 5-8 seconds of learning, blue lights are off, outer panel's blue light is on.
- 2, In the standby state, electric lock won't be locked, outer panel's blue light is on. When wave hand to sensing the outer panel, blue light keeps on and long beep sound, automatic door will be opened. The door will automatically close back according to the time setting by the DIP switch.
- 3, Entering the room, then door is closed, after the controller detects the door magnetic signal, wave hand to sensing the inner lock panel, red LED light is on, long beep sound, and outer panel's blue light will turn to red light, automatic door is locked, electric lock will be locked. When wave hand to sensing the outer panel again, the buzzer will beep sound, means someone in the washroom. If the door isn't closed completely or the door magnetic signal can't be detected, wave hand to sensing the inner lock panel, the buzzer will also beep sound to remind the users that the door isn't close completely.
- 4, When sensing the inner open panel, blue LED light is on, and long beep sound, outer panel's red LED light will turn to blue light, inner lock panel's red light is off, and the electric lock will unlocked, automatic door will open, the system will release the lock state. The door will automatically close back according to the time setting by the DIP switch.

5 Sensing Distance Setting



Adjust the knob clockwise, the distance becomes far;
adjust the knob counterclockwise, the distance becomes close.

6 DIP Switch Setting

Buzzer setting	 1	ON: When it be triggered, there will be a beep voice.
	 1	OFF: When it be triggered, no beep voice.
Locked time setting	 2	The maximum service time is 45 mins. When in the locked state, if don't detect the inner door opening signal after 45 mins, it will release the system's lock state.
	 2	Unlimited service time, when automatic door locked, it will maintain the locked state until trigger unlock button of the inner panel.
Relay output time setting	 3	When sensing and trigger the door opening, relay output door opening time can be: 1 seconds, 5 seconds, 7 seconds, 15 seconds.
	 4	

7 Technical parameters

Power supply:	AC/DC 12~30V
Static current:	93mA(DC12V power supply)
Action current:	260mA(DC12V, not including electric lock)
Sensing method:	Capacitive sensing technology
Sensing distance:	0-12cm(can be adjustable)
Panel size:	129mm(L)×129mm(W)×47mm(H)
Controller size:	143mm(L)×60mm(W)×40mm(H)