

TOUCHLESS VERSION WASHROOM SWITCH KIT: HWK-01-SS



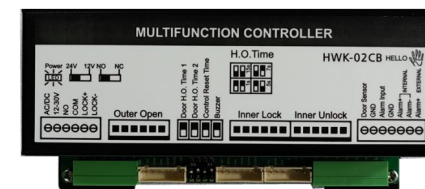
OUTER OPEN



INNER LOCK



INNER UNLOCK



CONTROLLER



DESCRIPTION

TOUCHLESS WASHROOM SWITCH KIT widely used in government facilities, Airports, Bus stations, Train stations, Shopping malls. Three touchless switches come with the illuminate LED ring around the face plate, to make it more intuitive for the end user. Use with the alarm kit to greatly improve the safety of the bathroom and protect the people.

VIEW OF THE SWITCHES

1.Sensing distance adjustable:

Turning clockwise decreases sensing distance to Min 0
Turning counterclockwise increases distance to Max 8cm.

2.LED indicator:

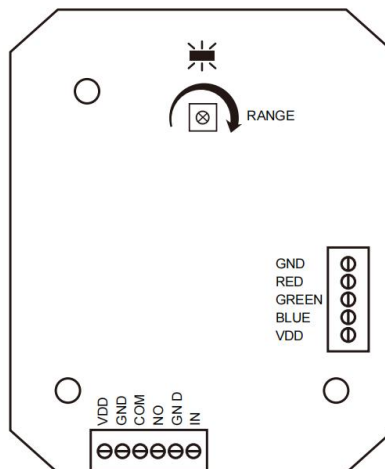
Blue light flashes - Power-on in learning state
Red light- Standby state
Blue light- Activation

3.6PIN terminal definition:

Connect with washroom switch controller

4.5PIN terminal definition:

Connect the main board with the LED board of the switch



TECHNICAL SPECIFICATIONS

Item	Parameters
Sensing distance(switch):	0-8cm adjustable
Switch Working Voltage:	DC 12~24V
Switch Working current:	80mA(standby); 260mA(Action); Max 1A(opening)
Controller Working Voltage:	12~24V AC/DC
Working temperature:	-20~+60°C
Switch Size:	129mmX129*mmX46mm
Controller Size:	138mmX65mmX36mm

INSTRUCTIONS

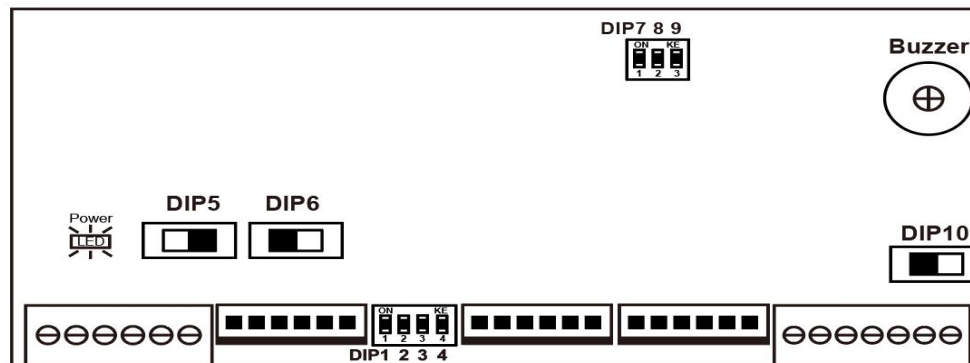
Description-In Standard State

1	In IDLE mode, 3pcs touchless switches all in Green indicator, the electric lock will not be locked, sense the exterior “ WAVE TO OPEN” switch to open the door and entering the room.
2	When entering the room, the interior "WAVE TO LOCK" switch be activated, then the automatic door will be closed, when the door is fully closed, the magnetic door contact signal of the door is received, then activation the interior “WAVE TO LOCK” switch again, the electric lock will be locked, the 3pcs wave switches will turn to red indicator light. The system in the LOCKED(Occupied) state, the outer switch is inhibited.
3	When the interior "WAVE TO OPEN" switch be activated, the electric lock will be released, the automatic door will open, 3pcs wave switches will turn to Green indicator light.System turn to IDLE mode. Automatic door will be closed according to "DOOR H.O. TIME" setting ,but the lock still in released state.
4	When system in Occupied state, if the alarm input(normally is a push switch) is received, all the system will be released and turn to idle state, the alarm devices will output alarm sound and light until the alarm push switch reset.

Note: Above is the default state, If the DIP settings be changed, the state will change according to it.

DIP Setting-Controller

Please check pages 2&3 for DIP switch settings, it is important to make sure they are set to your specific application



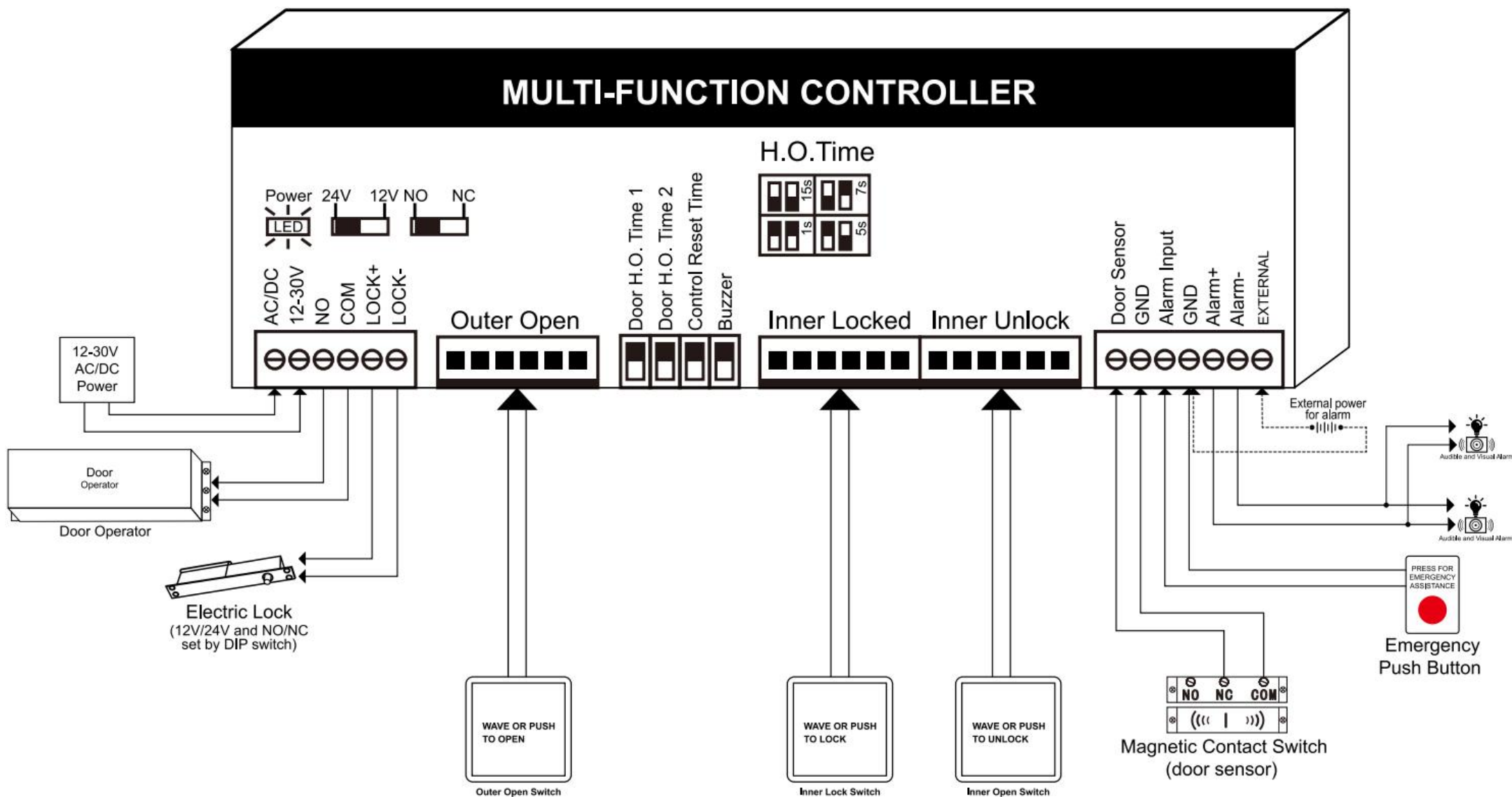
DIP1	Door hold open time 1		
DIP2	Door hold open time 2		
DIP3	Control re-set time	ON	Max service time is 30mins, System will reset after using 30mins automatically, turn to IDLE mode, and the lock will be released.
		OFF	Lock time is infinite, only unlock until the inner door "WAVE TO OPEN" switch be activated.
DIP4	Buzzer	ON	There is a beep when any of these 3pcs switches is activated.
		OFF	When the switches be activated , there no beep sound.
DIP5	Electric lock power input	+24V/ +12V	Choose the right power input voltage according the voltage range of the Electric lock which you use.

DIP6	NO or NC	NO/NC	The signal mode for the Electric lock.
DIP7	Electric lock state In IDLE state	ON	The DOOR(lock) remain latched, even the system in IDLE state. The lights of the 3pcs switches are Green, the outside switch works as normal, when activation it, the lock will be released, the door will be opened according the hold open time setting(4 times optional: 1s,5s ,7s ,15s).
		OFF	In IDLE state, the DOOR(lock) is in release state.
DIP8	“WAVE TO LOCK” switch works mode	ON	When the door fully close within 5s after activated the “WAVE TO LOCK” switch, the door will locked automatically, There no need activate “WAVE TO LOCK” switch again to lock the door.
		OFF	The "WAVE TO LOCK" switch only can lock the door after the door fully closed, To make sure the door locked only when someone is in the room.
DIP9	Electric lock state when the emergency alarming	ON	The Electric lock will keep in Latched when the emergency push switch be activated, the exterior “WAVE TO OPEN” and interior “ WAVE TO OPEN” switches both can open the door.
		OFF	The Electric lock will released when the emergency push switch be activated.
DIP10	Power supply mode for Audible and visual alarm	Left side	The output signal to Alarm, controller provide the power to the alarm, only support 12VDC alarm device.
		Right side	External power to power the alarm device, It needs to be connected to any GND on the controller, 24V to 24V alarm device, 12V to 12V alarm device. Note:If the DIP switch is set incorrectly, the alarm will not work.

Definition of the Terminals

6PIN Terminal block	AC/DC 12-30V	Power to the controller.
	NO & COM	Signal output to door operator.
	LOCK+ & LOCK-	Power to the electric lock.
6PIN Plug and Play Terminal	Outer open & Inner Locked & Inner Unlock	Connect the controller with the 3pcs wave switches.
7PIN Terminal block	Door sensor & GND	Connect with the door sensor, the door sensor sending the signal to the door operator, The door closes only when the door sensor is closed.
	Alarm input & GND	Connect with the Emergency push switch, when the switch be pushed, the switch will sending the signal to the door operator, then the whole system(lock) will be released, The audible and visual alarm will sound an alarm and light up until the Emergency push switch is pulled.
	Alarm+& Alarm- INTERNAL	The output signal to Alarm, controller provide the power to the alarm, only support 12VDC alarm device.
	Alarm+ EXTERNAL	External power to power the alarm devise, It needs to be connected to any GND on the controller , 24V to 24V alarm device, 12V to 12V alarm device. The positive and negative poles can not be reversed, otherwise it will cause product damage.

WIRING OF THE CONTROLLER



Notes: Do not install or service this product unless you have read and understood the instruction.