

Automatic Door Systems

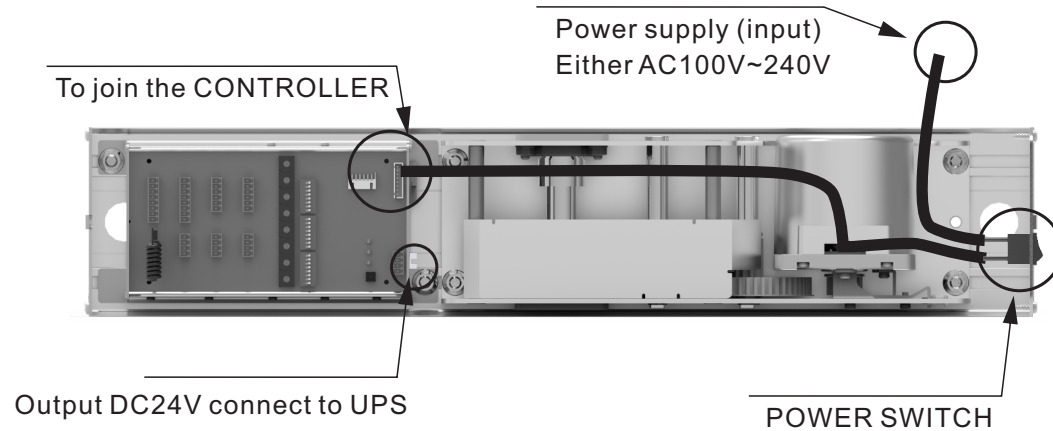


SW-5E

Swing Door

(EN16005)

OPERATION INSTRUCTION

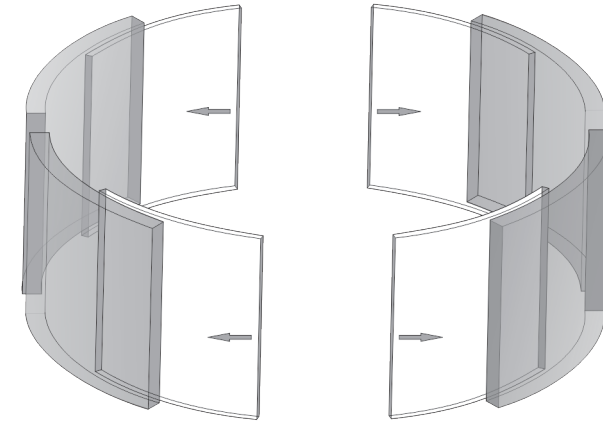


Warning

Please confirm WHETHER the SENSOR VOLTAGE is the same as the power supply. If different between them, need to add the TRANSFORMER, otherwise the SENSOR would be burned.

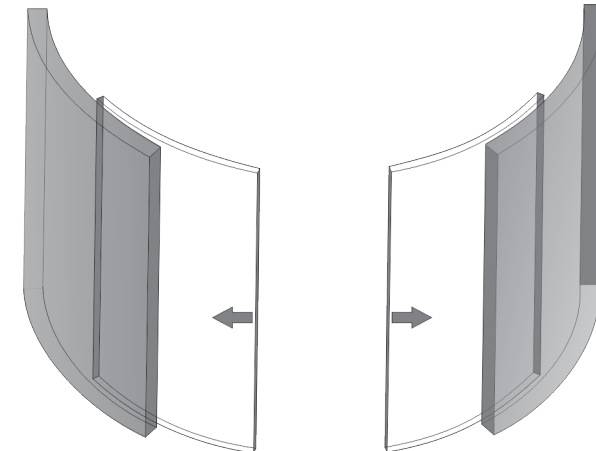
Our company has the following series of automatic door, please contact with our distributors/representations

Round type door



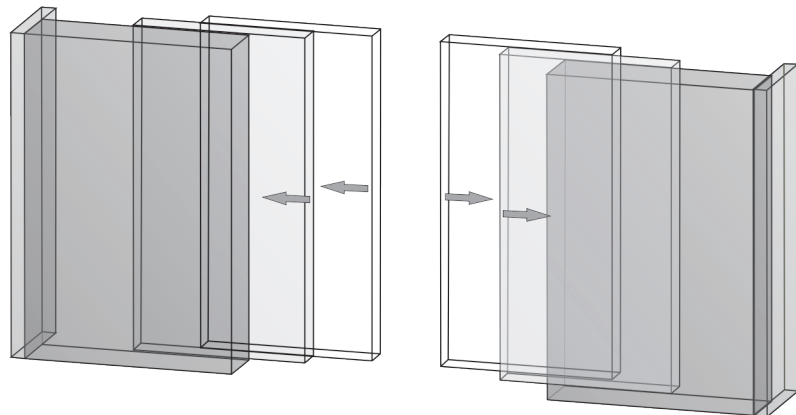
Installation: Please in accordance with the instruction of Round Type Door.

Curved Type Door



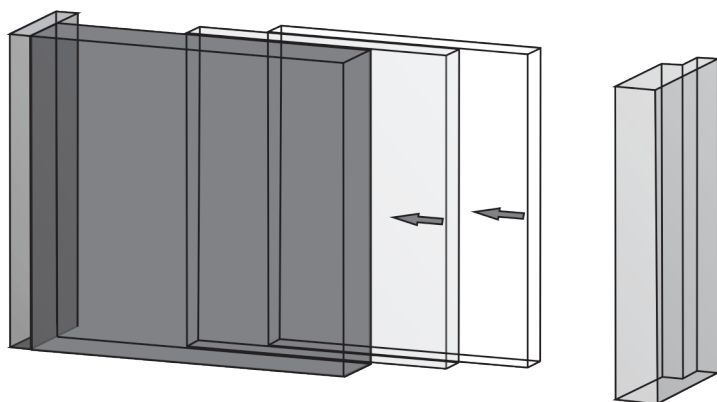
Installation: Please in accordance with the instruction of Curved Type Door.

Telescopic 4-winged Sliding Doors.

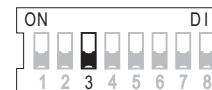


Installation: Please in accordance with the instruction of Telescopic 4-winged Sliding Doors.

Telescopic 2-winged Sliding Doors.



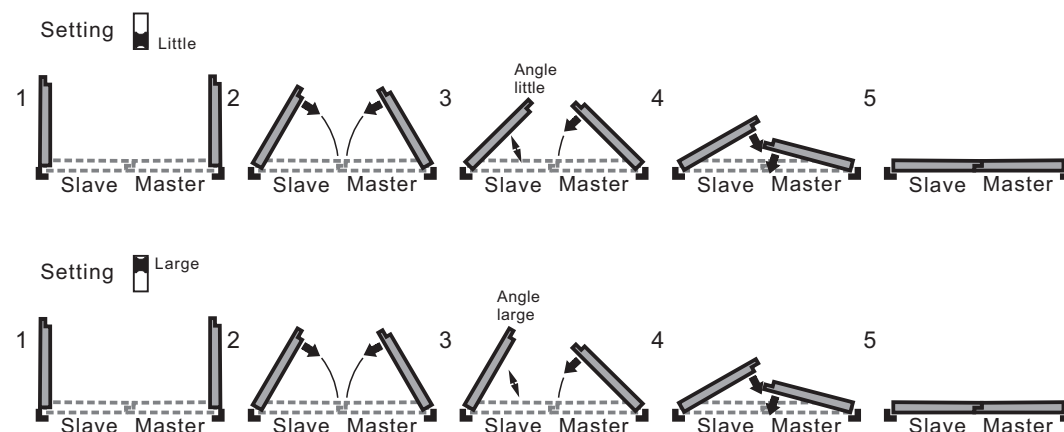
Installation: Please in accordance with the instruction of Telescopic 2-winged Sliding Doors.



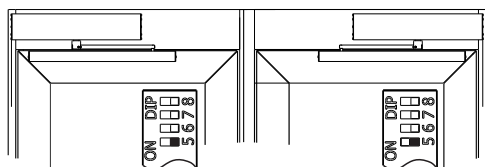
DIP Switch I

SLAVE postpone angle range

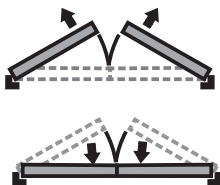
When MASTER door is closing in order to avoid the SLAVE door hit it, installer can set the range to postpone the position to SLAVE.



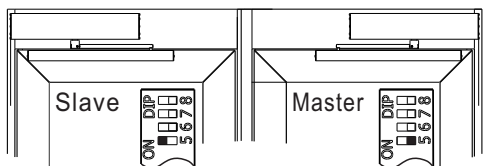
A. Double Door



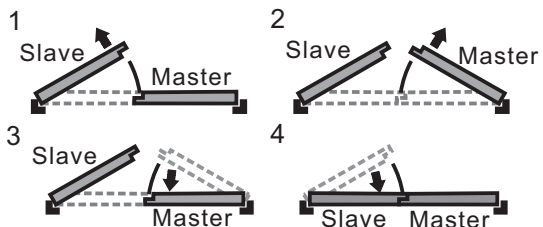
Please set all door DIP Switch I No.5 Off.



B. Double Door M/S

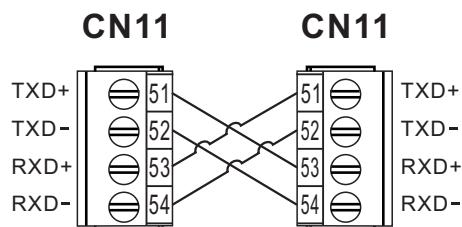


Please set the door which closes first to master (DIP Switch I → No.5 Off), then set the second to close to slave (DIP Switch I → No.5 On)



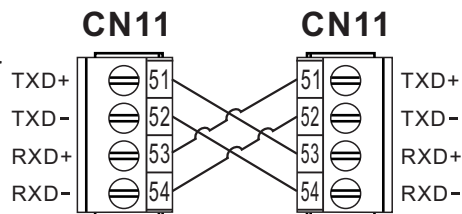
✗Before turn on the power, please inspect the relative positions of the door leaves to avoid error occurs. Please turn on “Master” and “Slaver” at the same time to avoid the time different causes the error.

Connection



After connecting to terminals, yellow LED flashes to indicate connecting properly. The door leaves will open and close at the same time.

Connection

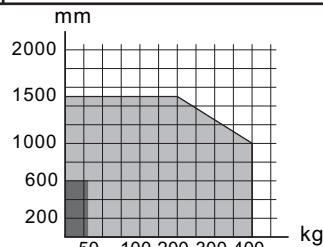


Slave Master

After connecting to terminals, yellow LED flashes to indicate connecting properly.

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3.OPERATOR (SECTION).....	P3
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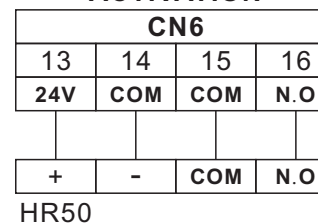
1 TECHNICAL SPECIFICATIONS

TYPE	Outward	Inward
DOOR WEIGHT & WIDTH	Max.  Min.  	
MOTOR	DC24V 120W BRUSHLESS DC MOTOR	
CONTROL	STANDARD MICRO-CONTROL	
POWER CONSUMPTION	120W	
VOTAGE	AC100V~240V	
ENVIRONMENTAL TEMPERATURE	-20°C ~ +50°C	
VOLUME	55 decibel(max.)	
SPEED of OPENING 90 DEGREE	3~15sec / 90°(max.)	
STARTING TIME	0~20 sec. (Regulable)	
TRANSMISSION IMPORTANT CONDITION	Outward Arm assembly	Inward Arm assembly
OPENING DOOR RANGE	Depends on stoppers position	
POWER EFFICIENCY	0.95 (In full load)	
TRACTION FORCE	3kg	

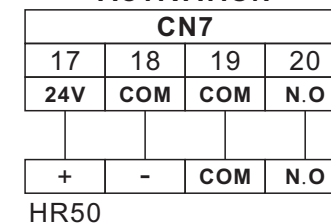


11 CONNECTION - SAFETY

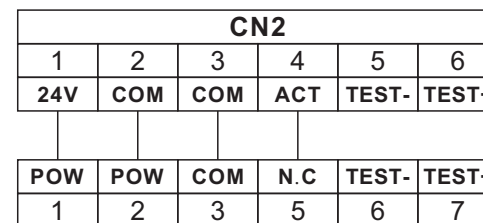
ENTRY SENSOR ACTIVATION



EXIT SENSOR ACTIVATION



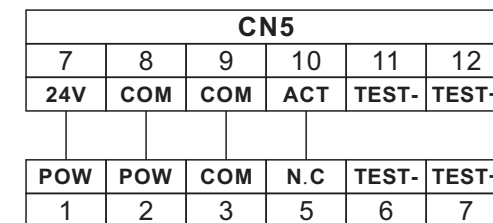
PREMIER SWING ONDOOR SAFETY (NOT MONITORED)



HOTRON SSS-5

OPEN FACE SAFETY (TOPSCAN)

CONTROLLER PANEL
DIP Switch II No.1 → "ON"
SSS-5
DIP Switch No.1 → "B"
No.3 → "N.C"

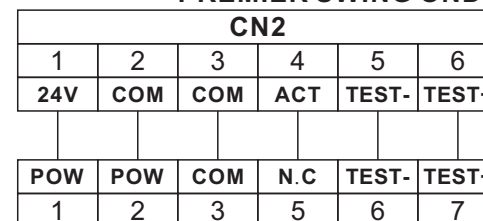


HOTRON SSS-5

CLOSE FACE SAFETY (TOPSCAN)

CONTROLLER PANEL
DIP Switch II No.4 → "ON"
SSS-5
DIP Switch No.1 → "B"
No.3 → "N.C"

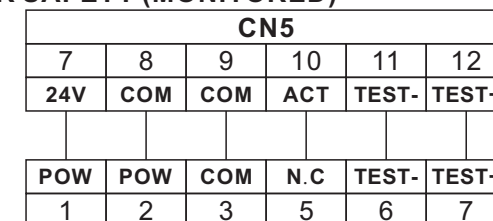
PREMIER SWING ONDOOR SAFETY (MONITORED)



HOTRON SSS-5

OPEN FACE SAFETY (TOPSCAN)

CONTROLLER PANEL
DIP Switch II No.1 → "ON"
No.2 → "ON"
SSS-5
DIP Switch No.1 → "A"
No.3 → "N.C"

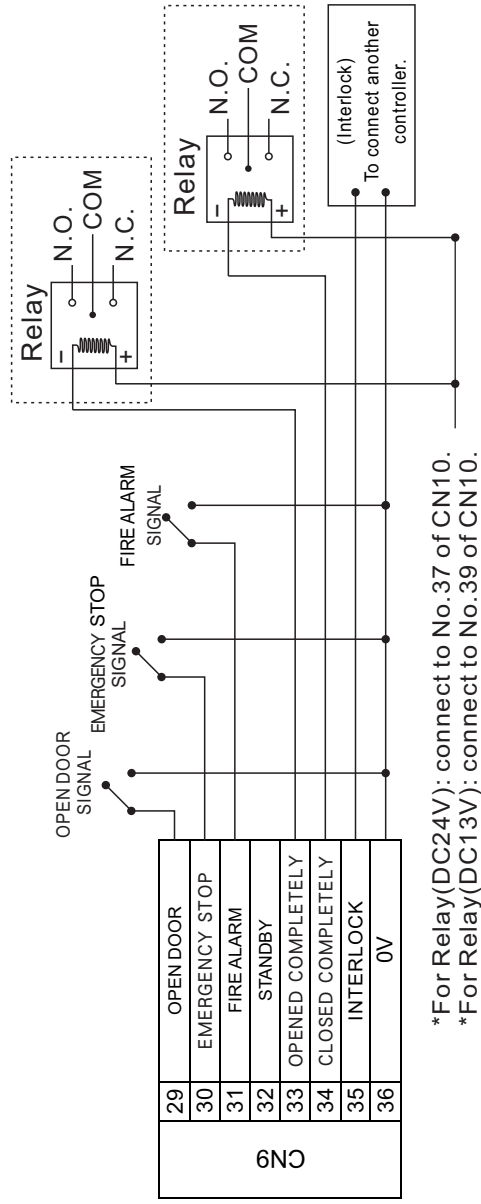


HOTRON SSS-5

CLOSE FACE SAFETY (TOPSCAN)

CONTROLLER PANEL
DIP Switch II No.4 → "ON"
No.5 → "ON"
SSS-5
DIP Switch No.1 → "A"
No.3 → "N.C"

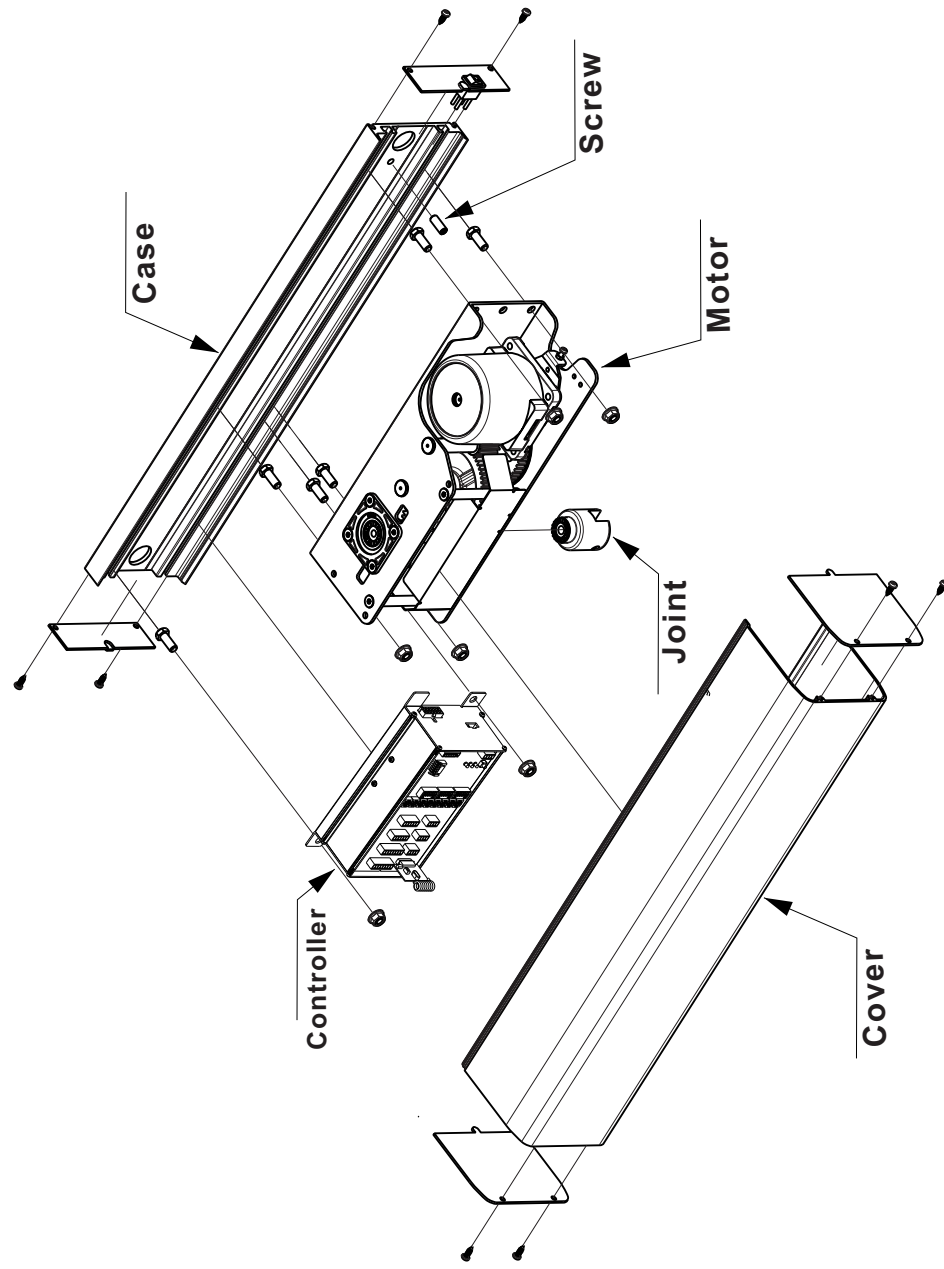
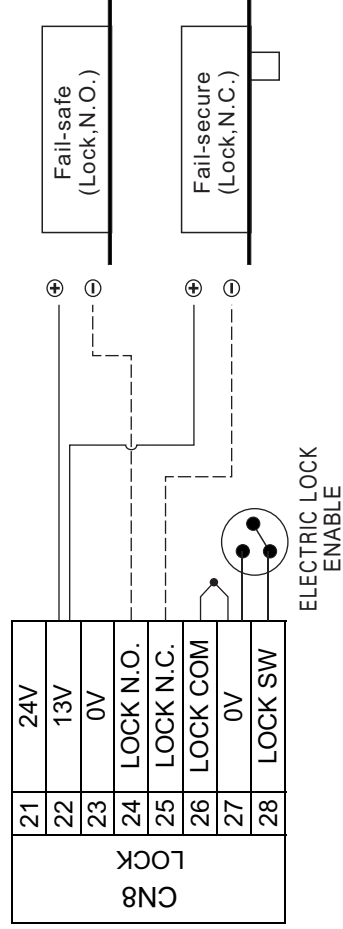




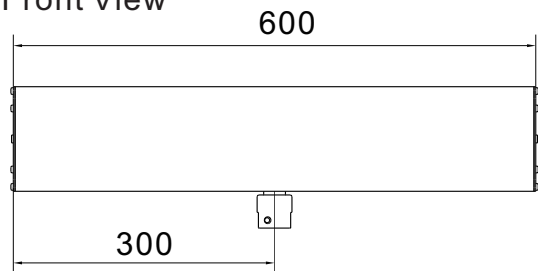
Warning

*Relay it should be with built in diode.

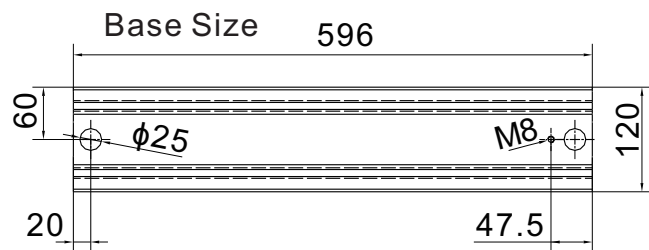
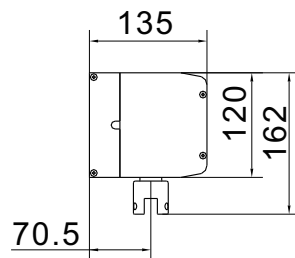
*Relay Suggested model: OMRON MY2N-D2-J (It's arranged by customers)



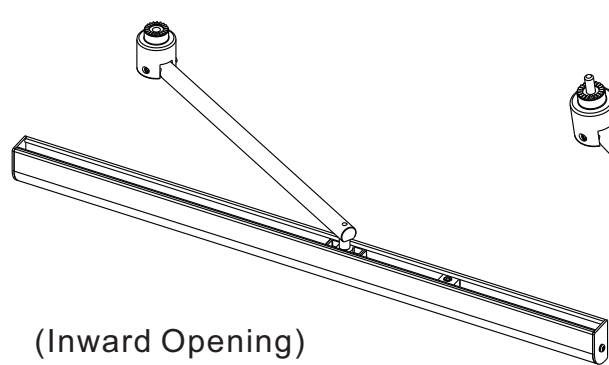
Front View



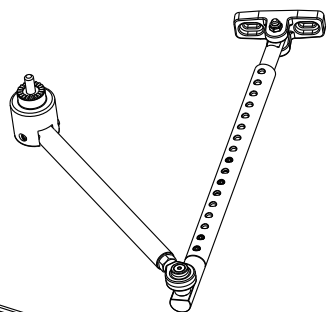
Side View



Every set of operator can use the Inward / Outward Arm assembly.



(Inward Opening)
Pull Arm assembly



(Outward Opening)
Push Arm assembly



DIP Switch II



When change the function of Dip switch,
needs to RE-Power ON.

1 Open Face Safety

☐ N.O ☐ N.C

2 Open Face Safety Test

☐ No ☐ Yes

3 Open Face Safety Type

☐ Stop ☐ Slowly

4 Closing Face Safety

☐ N.O ☐ N.C

5 Closing Face Safety Test

☐ No ☐ Yes

6 Entry Sensor

☐ N.O ☐ N.C

7 Exit Sensor

☐ N.O ☐ N.C

8 Emergency stop

☐ N.O ☐ N.C

DIP Switch III



1 Open

☐ N.O ☐ N.C

2 Fire Alarm

☐ N.O ☐ N.C

3 Fire Alarm Motion

☐ Open ☐ Close

4 Wind Pressure Resistance
(When Door Open)

☐ Off ☐ On

5 Wind Pressure Resistance
(When Door Close)

☐ Off ☐ On

6 ~ 8 Standby





DIP Switch I



When change the function of Dip switch, needs to RE-Power ON.

1 L/R Switch

☐ Right ☐ Left

2 Brake power switch

☐ OFF ☐ ON

3 SLAVE postpone angle range

☐ Little ☐ Large

*Please ref. to P16

4 Directional function

☐ OFF ☐ ON

OFF: Normal mode.

ON: Push once, open the door.
Push again, close the door.

5 MASTER/SLAVE setting

☐ Master ☐ Slave

6 Electric lock type setting

☐ Normal ☐ Latch Bolt

7 "Non-detect angle" for safety sensor Setting.

☐ Manual ☐ Learn

"Manual setting" has to adjust by "K8" knob.

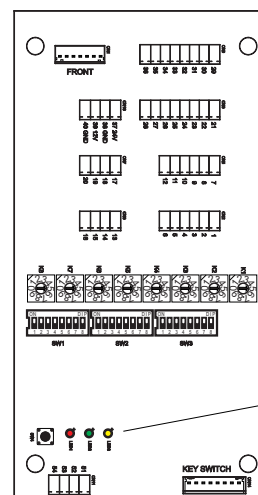
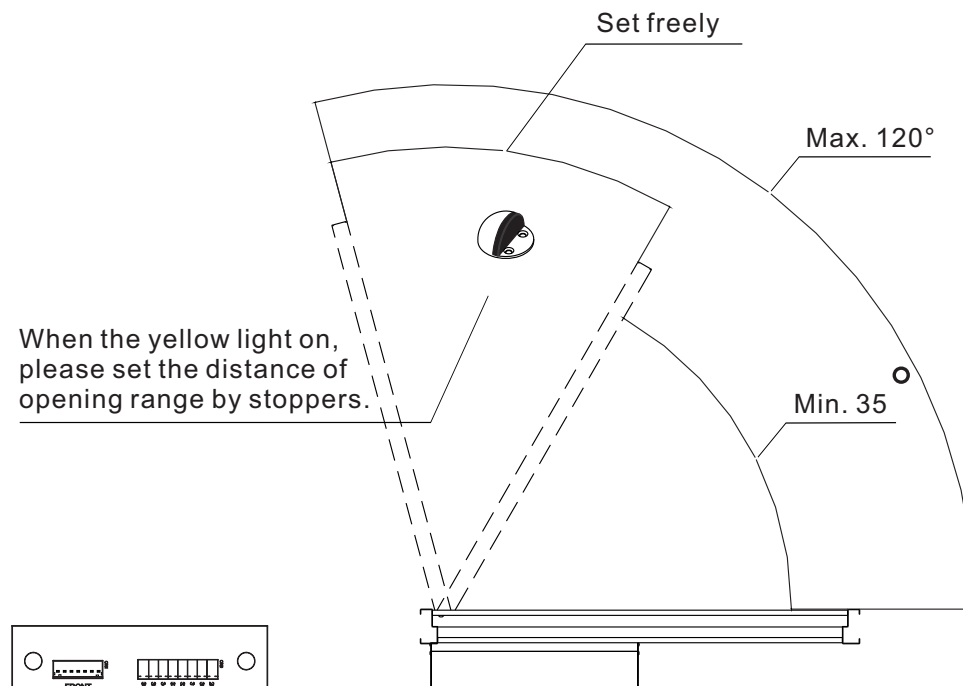
8 Reverse Switch:

in order to control opening and closing direction of the Door-Leaf

☐ OFF ☐ ON

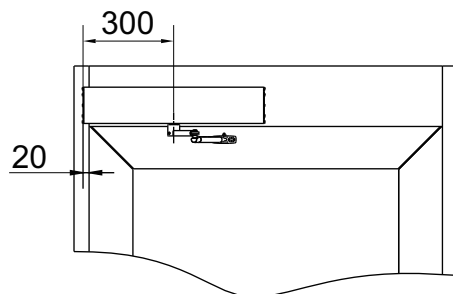
OFF: Normal mode, after power resumes, the Door-Leaf opens the door first.

ON: suitable for Security System, after power resumes the Door-Leaf closes the door first.

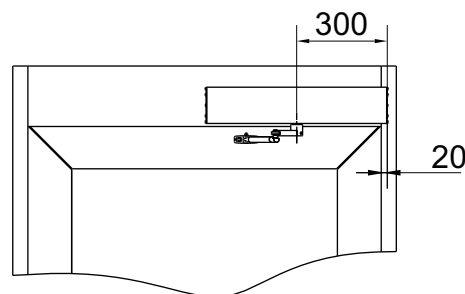


Yellow LED Opening Testing

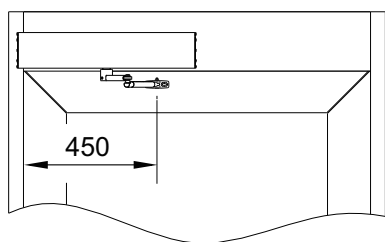
Left Open



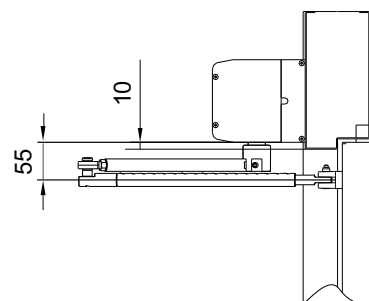
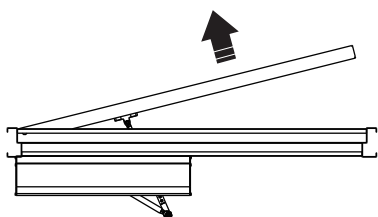
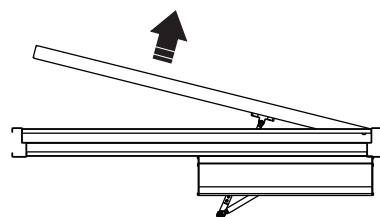
Right Open



The position of mounting



Mounting (Side View)

Mounting
(eg. for left Open, Top View)Mounting
(eg. for Right Open, Top View)**K1 The Opening Speed of The Door**

Adjust the OPENING SPEED. Higher number, faster speed.
CAUTION: please adjust the number one by one from **low** to **high**.

**K2 The Closing Speed of The Door**

Adjust the CLOSING SPEED. Higher number, faster speed.
CAUTION: please adjust the number one by one from **low** to **high**.

**K3 The Slowing Speed of Opening Door**

Adjust the SLOWING SPEED OF OPENING DOOR. Higher number, greater strength.
CAUTION: Please adjust the number one by one from **high** to **low**.

**K4 The Slowing Speed of Closing Door**

Adjust the SLOWING SPEED OF CLOSING DOOR. Higher number, greater strength.
CAUTION: Please adjust the number one by one from **high** to **low**.

**K5 Opening hold time**

Adjust the HOLD OPEN TIME. Higher number, the hold time is longer.

NUMBER	0	1	2	3	4	5	6	7	8	9
SECOND	0	1	2	3	5	10	6	10	15	20

**K6 Sensitivity of Collision Detection**

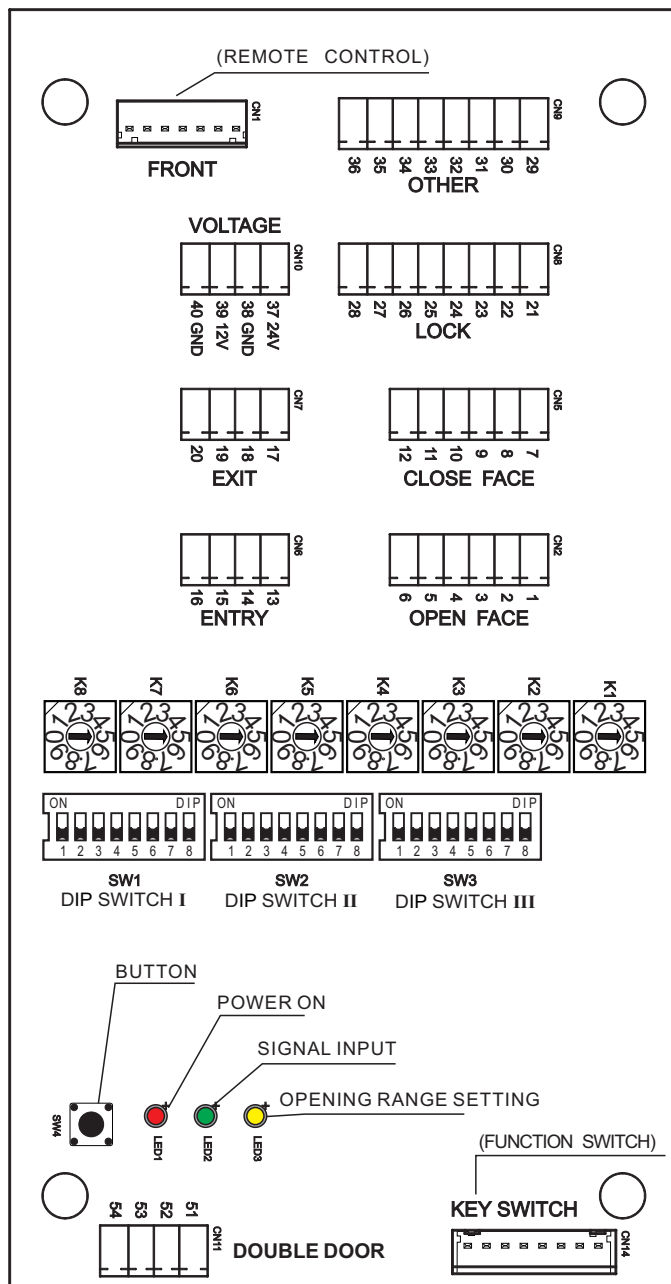
Adjust the sensitivity of reaction to obstacle during door is working, less number, higher sensitivity.
CAUTION: please adjust the number one by one from **low** to **high**.

**K7 Brake Power**

Adjust Door-Leaf BRAKE POWER. Higher number, more Brake power

**K8 “Non-detect angle” for safety sensor**

NUMBER	0	1	2	3	4	5	6	7	8	9
ANGLE	Desable	4/90°	8/90°	12/90°	16/90°	20/90°	24/90°	28/90°	32/90°	36/90°

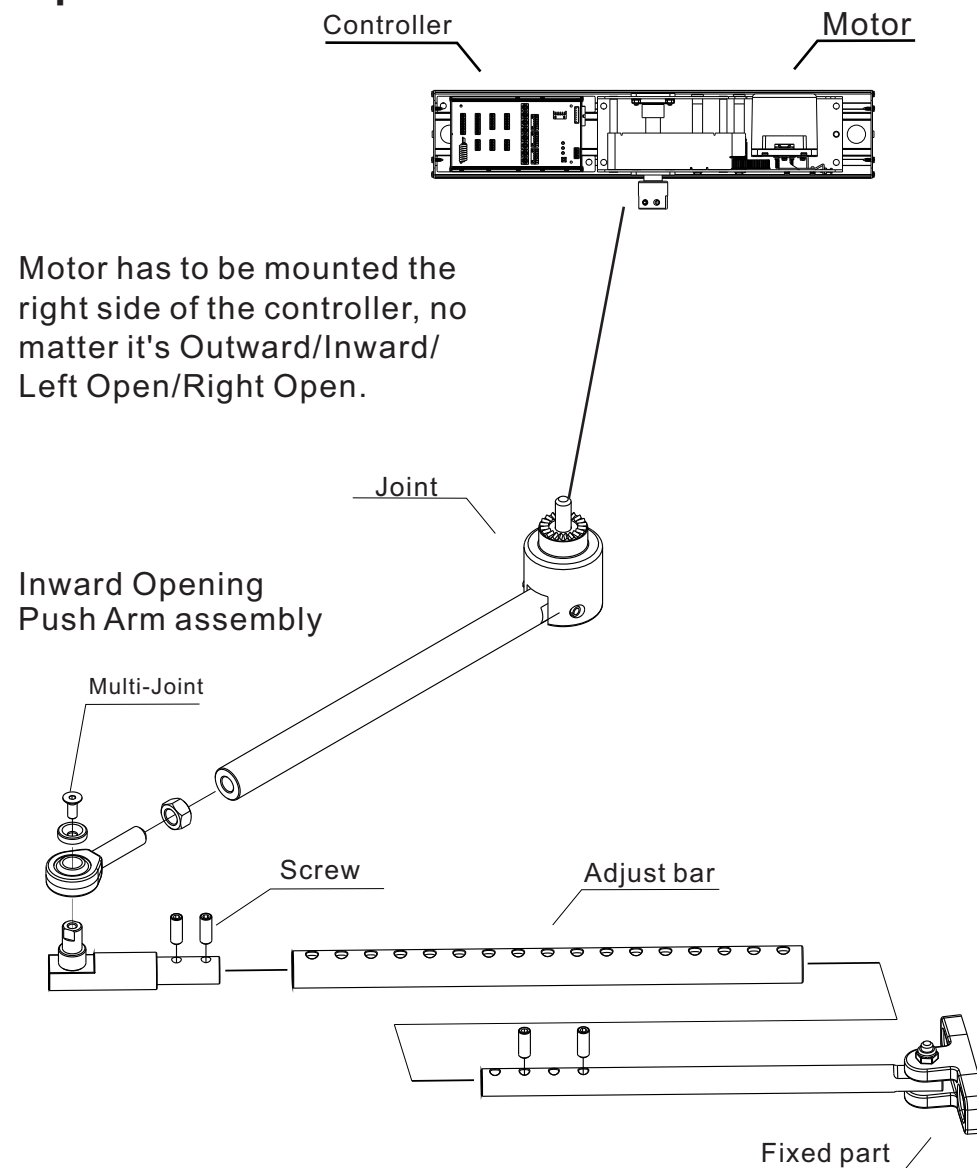


Yellow LED : Setting door opening range. (When light on you can set the door range.)

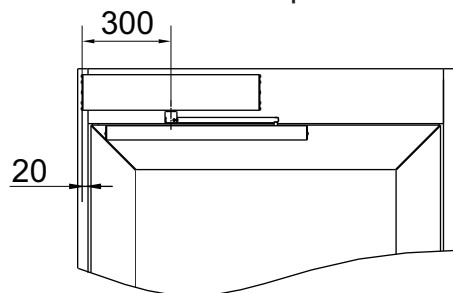
Green LED : Signal input.

Red LED : Power on.

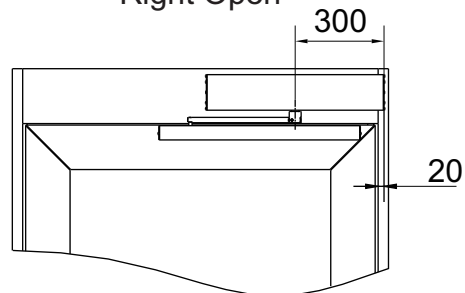
Operator



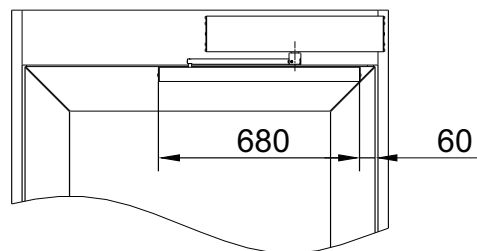
Left Open



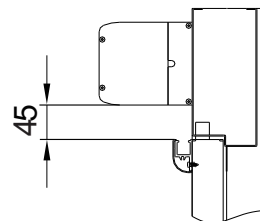
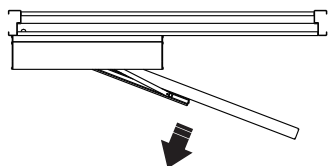
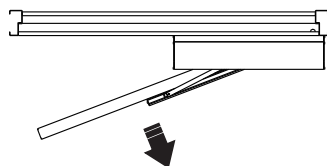
Right Open



The position of mounting



Mounting (Side View)

Mounting
(eg. for Left Open, Top View)Mounting
(eg. for Right Open, Top View)

Operator

