

Automatic Door Systems

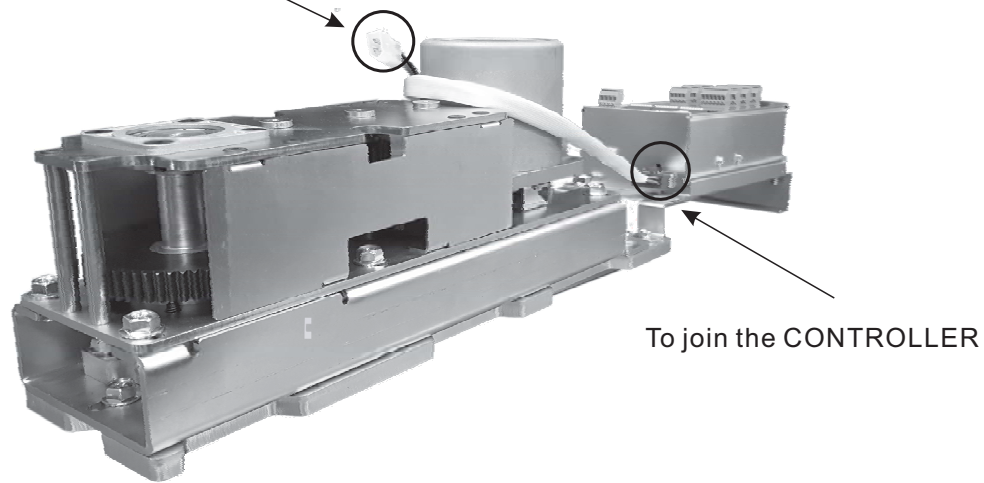
IW-3E

Swing Door

(EN16005)

OPERATION INSTRUCTION

Power Supply (input)
Either AC100V~240V

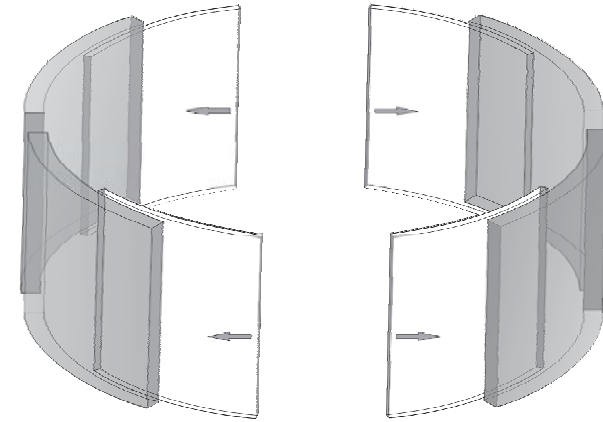


Warning

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.

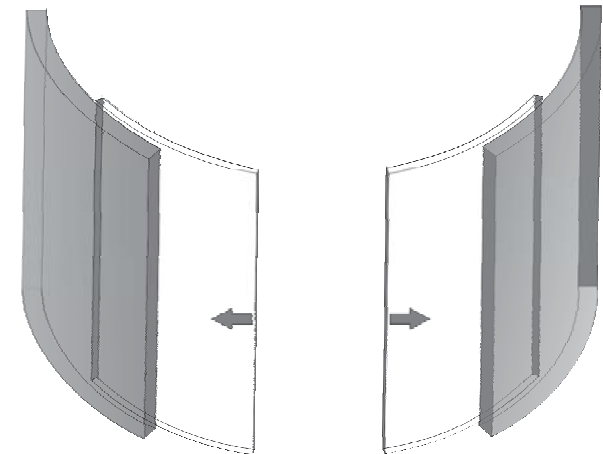
Our company has the following series of automatic door, please contact with our distributors/representations

Round type door



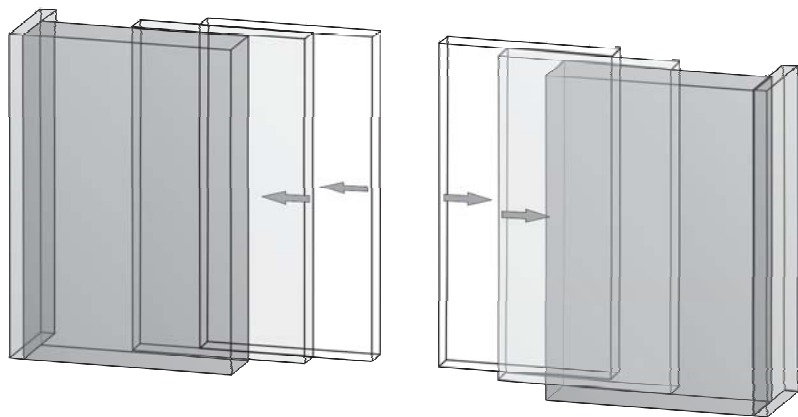
Installation: Please in accordance with the instruction of Round Type Door.

Curved Type Door



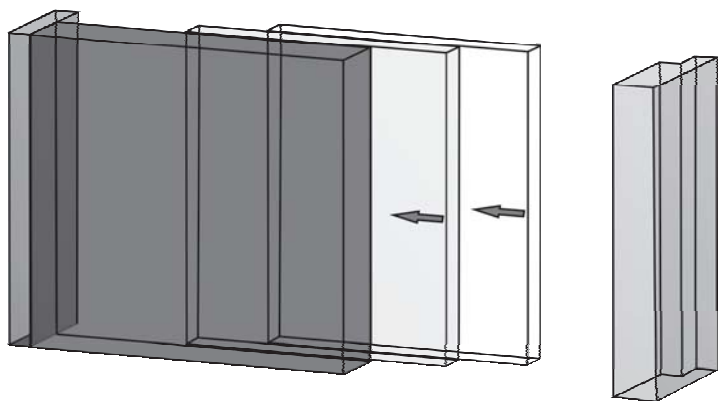
Installation: Please in accordance with the instruction of Curved Type Door.

Telescopic 4-winged Sliding Doors.

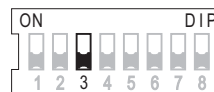


Installation: Please in accordance with the instruction of Telescopic 4-winged Sliding Doors.

Telescopic 2-winged Sliding Doors.



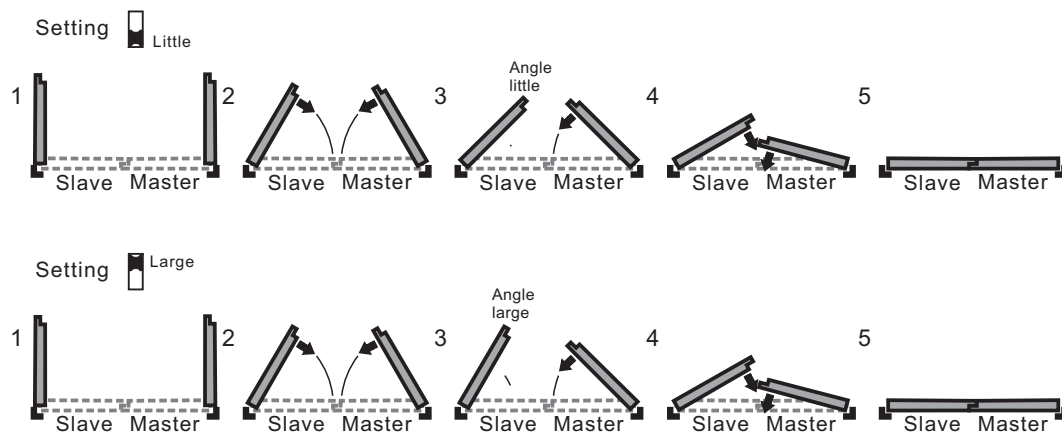
Installation: Please in accordance with the instruction of Telescopic 2-winged Sliding Doors.



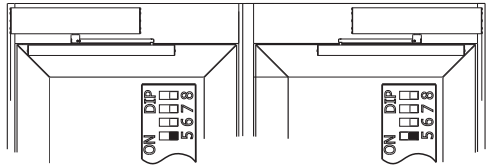
DIP Switch I

SLAVE postpone angle range

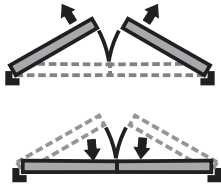
When MASTER door is closing in order to avoid the SLAVE door hit it, installer can set the range to postpone the position to SLAVE.



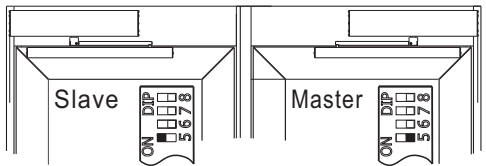
A. Double Door



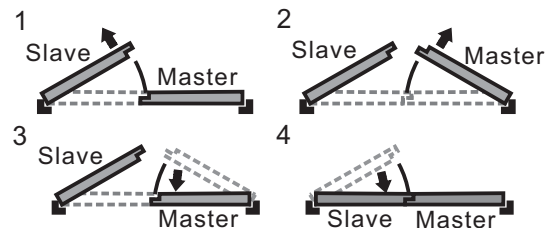
Please set all door DIP Switch I No.5 Off.



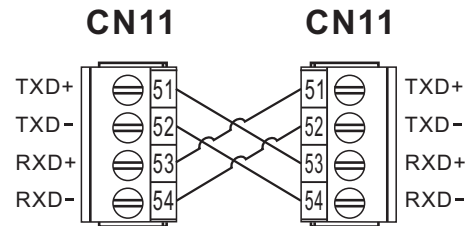
B. Double Door M/S



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).

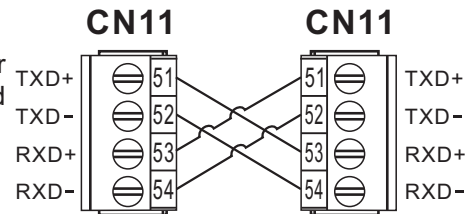


Connection



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

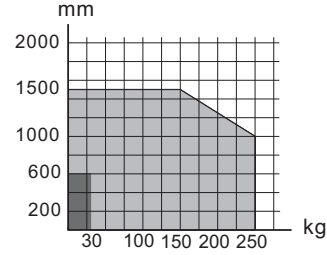
Connection

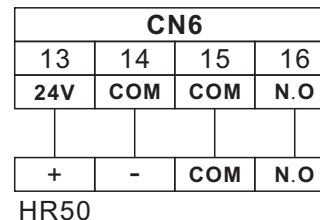
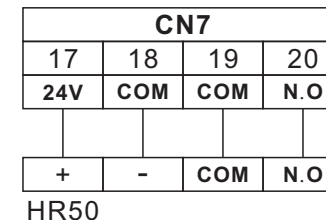


After connecting to terminals, yellow LED flashes to indicate connecting properly.

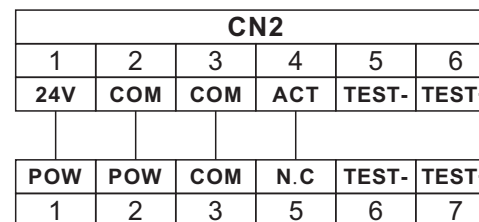
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✕Before turn on the power, please inspect the relative positions of the door leaves to avoid error occurs. Please turn on “Master” and “Slaver” at the same time to avoid the time different causes the error.

TYPE	IW-3E
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	3~10 sec / 90°(max.)
HOLD OPEN	0~20 sec. (Regulable)
OPENING DOOR RANGE	120°Max./90 (default) I
POWER EFFICIENCY	0.95 (In full load)
TRACTION FORCE	2.5 kg

ENTRY SENSOR
ACTIVATIONEXIT SENSOR
ACTIVATION

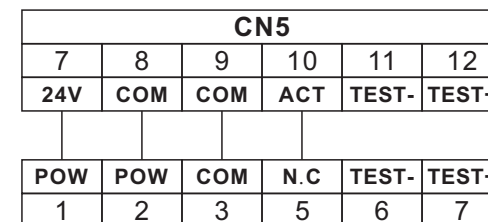
PREMIER SWING ONDOOR SAFETY (NOT MONITORED)



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"

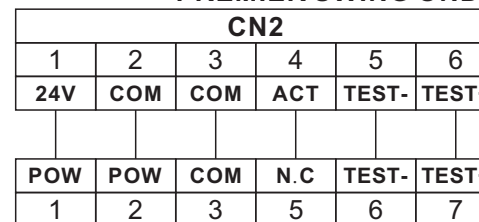


HOTRON SSS-5

CLOSE FACE SAFETY
(TOPSCAN)

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

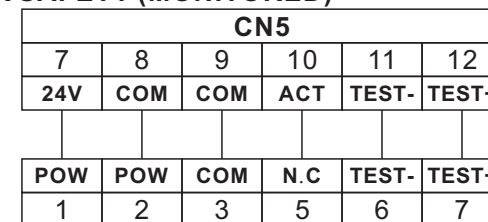
PREMIER SWING ONDOOR SAFETY (MONITORED)



HOTRON SSS-5

OPEN FACE SAFETY
(TOPSCAN)

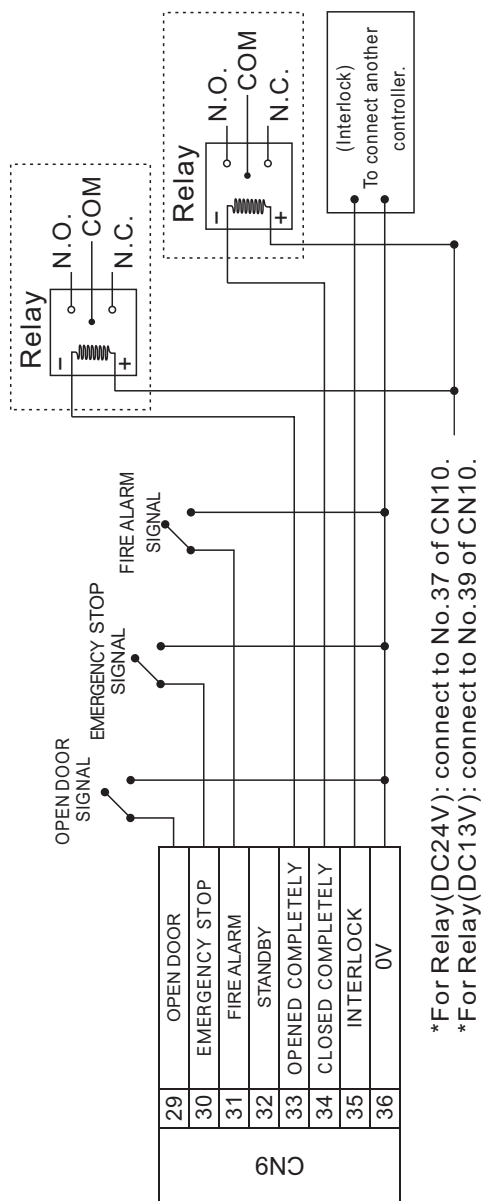
CONTROLLER PANEL
DIP Switch II No.1 → "ON"
No.2 → "ON"
SSS-5
DIP Switch No.1 → "A"
No.3 → "N.C"



HOTRON SSS-5

CLOSE FACE SAFETY
(TOPSCAN)

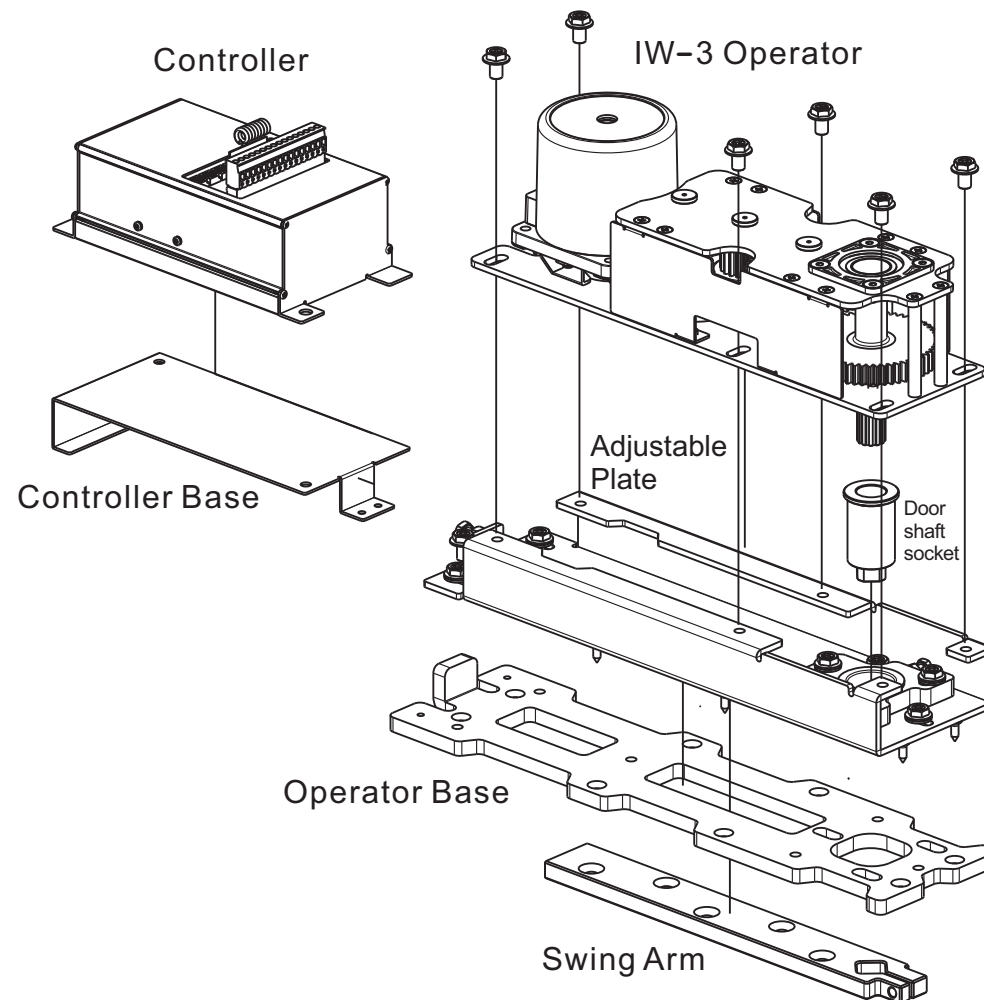
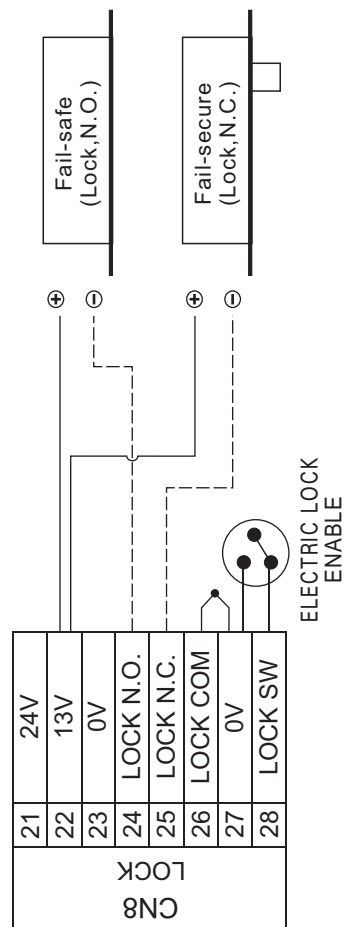
CONTROLLER PANEL
DIP Switch II No.4 → "ON"
No.5 → "ON"
SSS-5
DIP Switch No.1 → "A"
No.3 → "N.C"

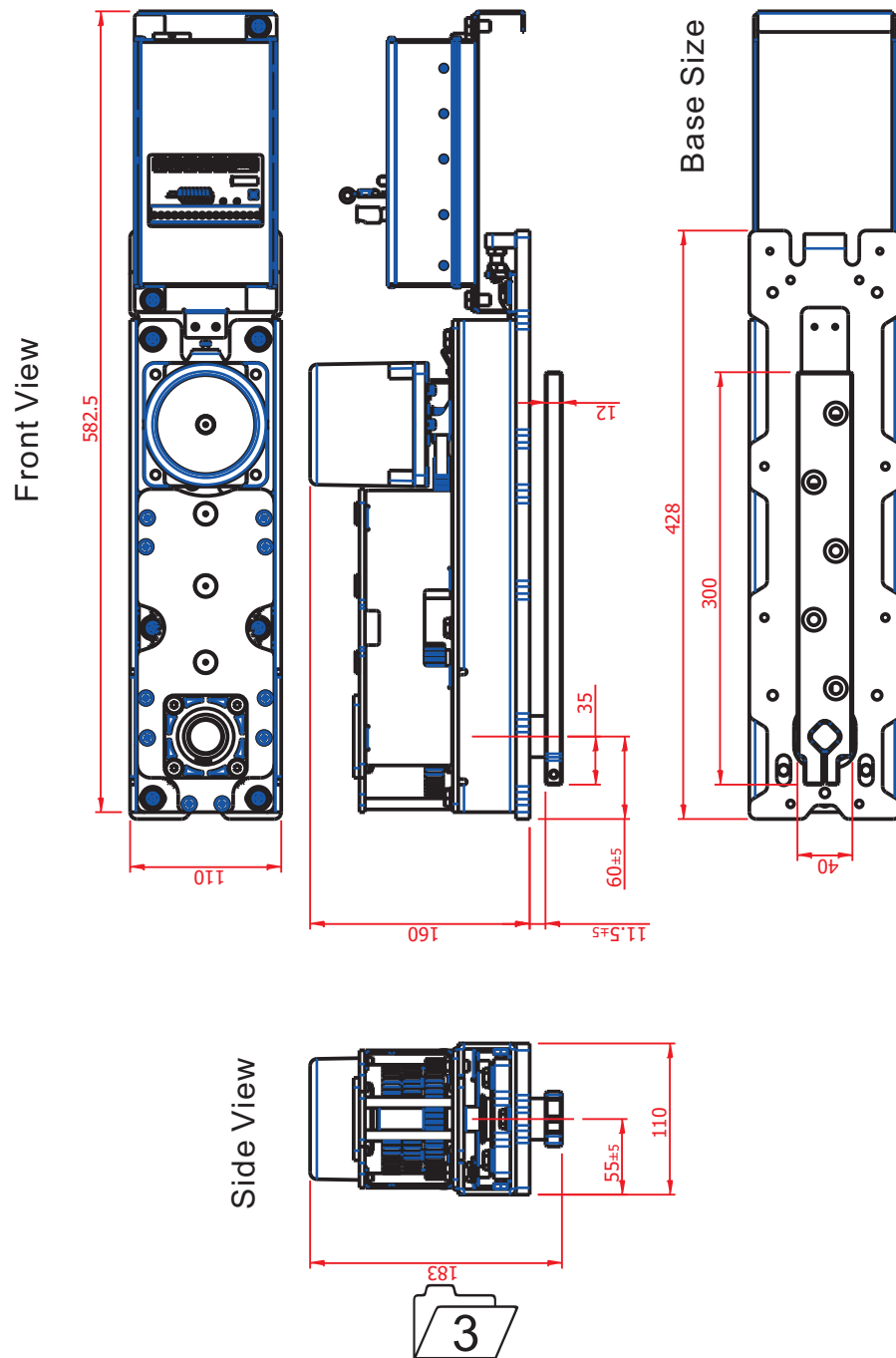


Warning

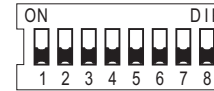
*Relay it should be with built in diode.

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





DIP Switch II

**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 Type

Open

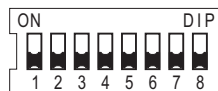


Close

4 ~ 8 Standby



DIP Switch I



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.

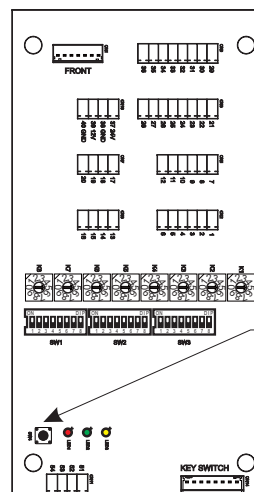
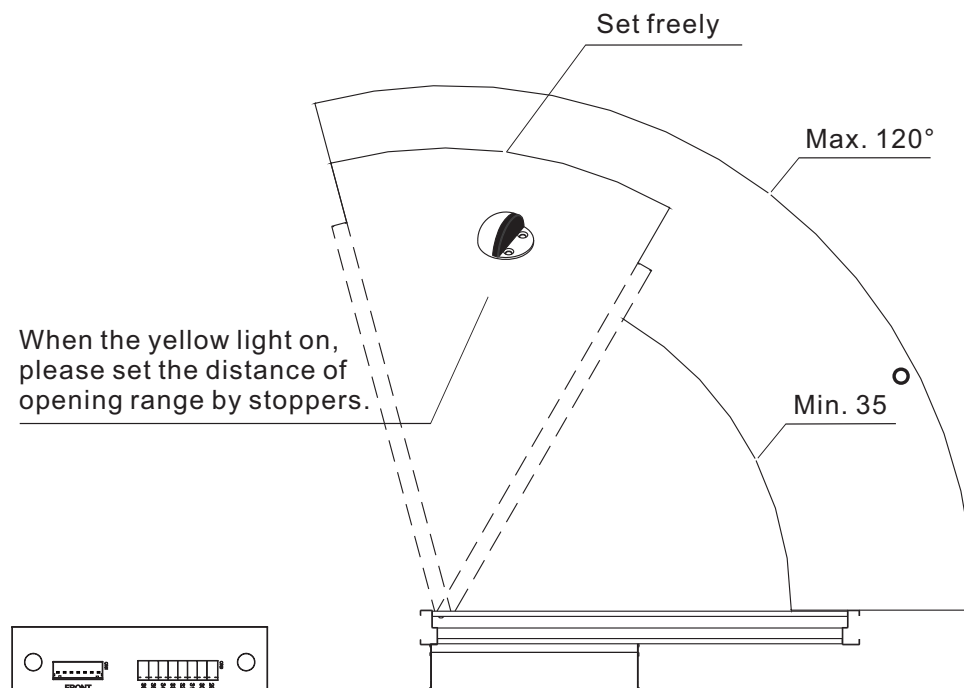
8 Reverse Switch:

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.

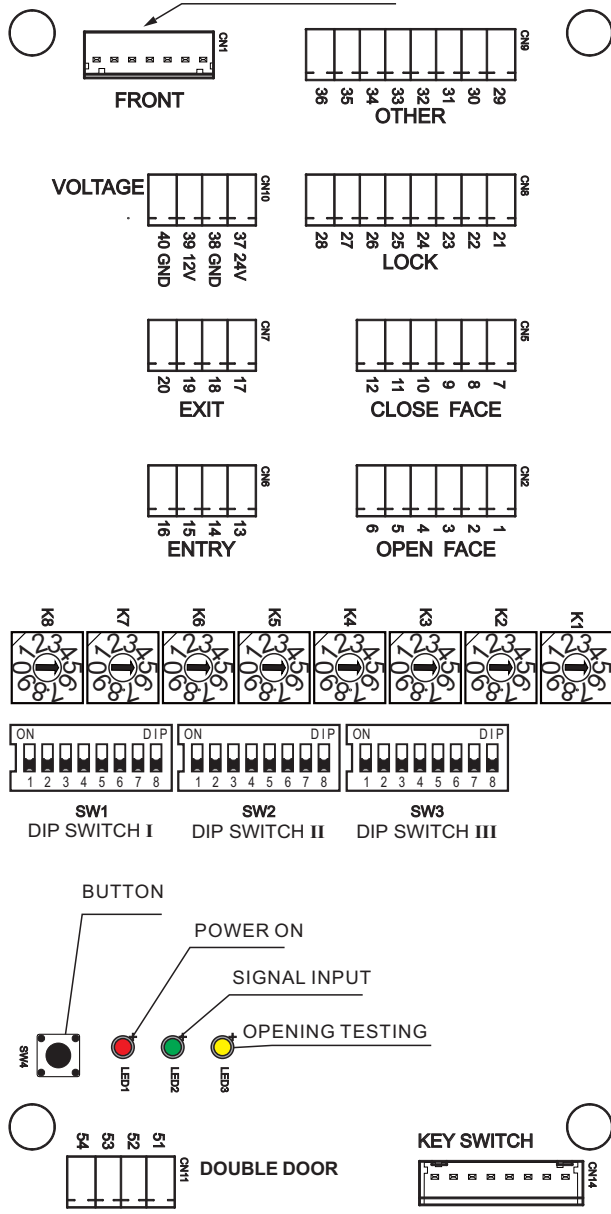
ON: suitable for Security System, after power resumes the Door-Leaf closes the door first.



Yellow LED 
Opening Testing



(REMOTE CONTROL)



Yellow LED : Opening Testing

Green LED : Signal input.

Red LED : Power on.



K1 Opening Speed

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



K2 Closing Speed

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



K3 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 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	15	20	60	120



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°