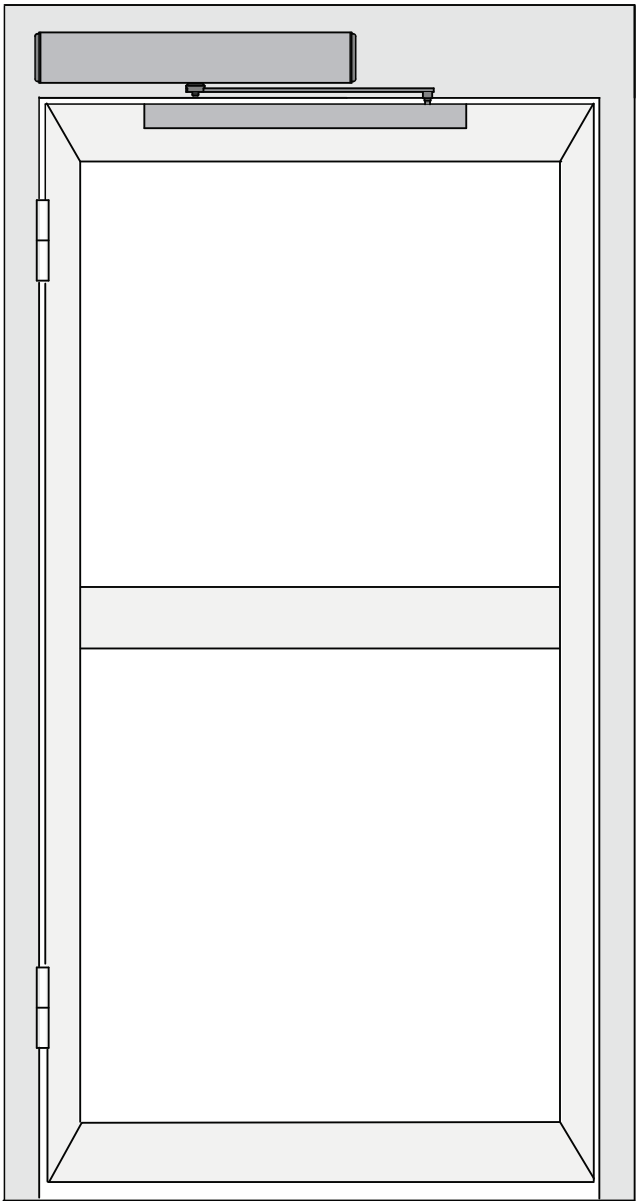


CUMU

INSTALLATION MANUAL

CMD-100



AUTOMATIC ENTRANCE SPECIALISTS

CUMU AUTOMATIC DOOR (CHANGZHOU) CO., LTD.

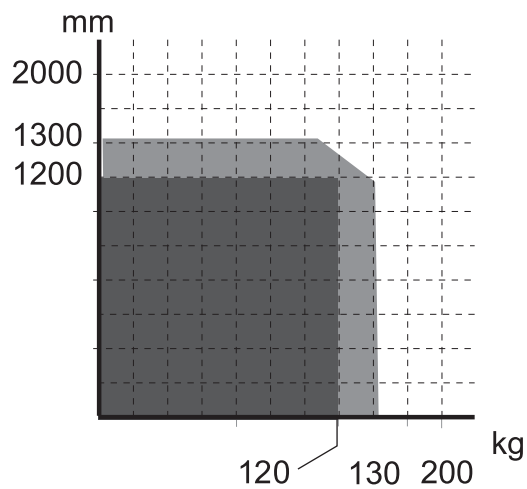
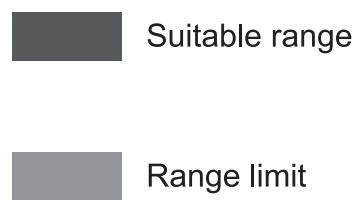
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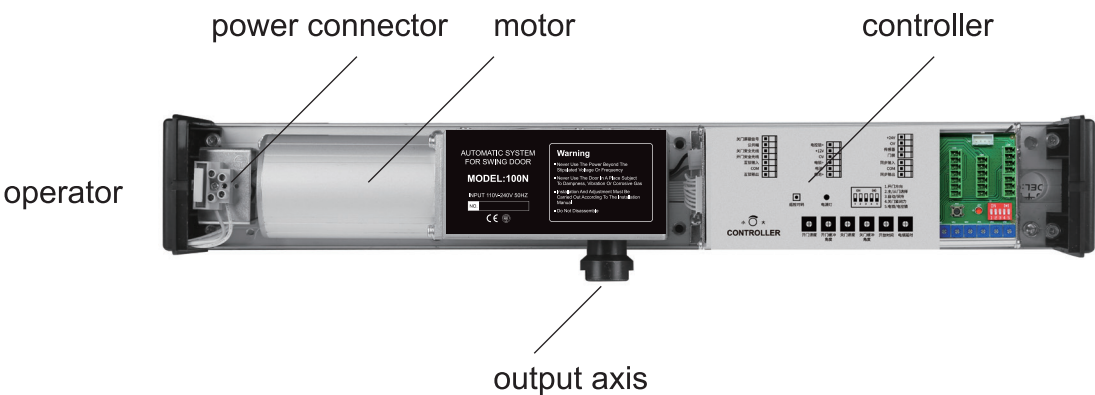
1 Technical Parameters

Voltage: 110~240V ±10%
Power consumption: 50W
Opening time: 3~7s / 90°
Hold open time: 1~30s adjustable
Door width: Min. 660mm / Max. 1300mm
Max. opening angle:105°
Environment Temperature: -20℃~+50℃
Protection class: IP12D
Product weight: 7.1Kg
Dimension: L518×H95×W80mm

mm=Door width
kg=Door weight



2.Components



pull arm(alternative)
Inward opening

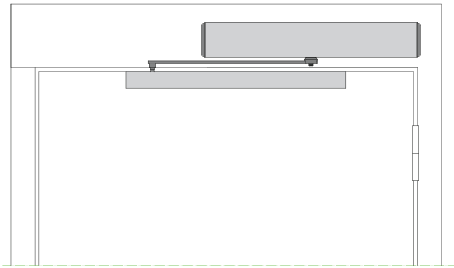


push arm(alternative)
Outward opening

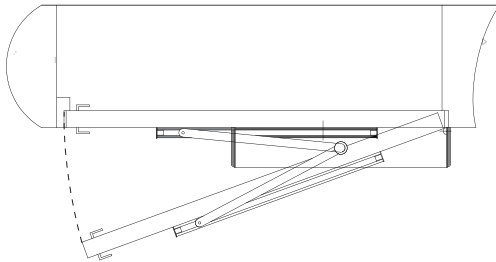
3 Installation

3.1 Installation example

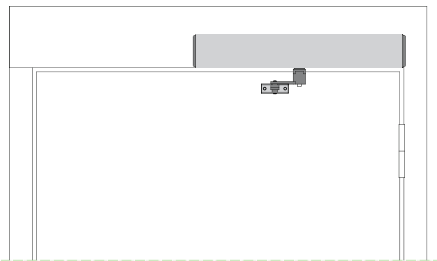
Choose pull arm: door leaf open toward inside (operator is inside)



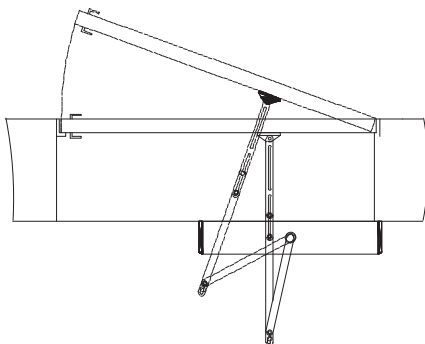
Door leaf $W \geq 700\text{mm}$
Door leaf flat with wall face



Choose push arm: door leaf open toward outside (operator is inside)

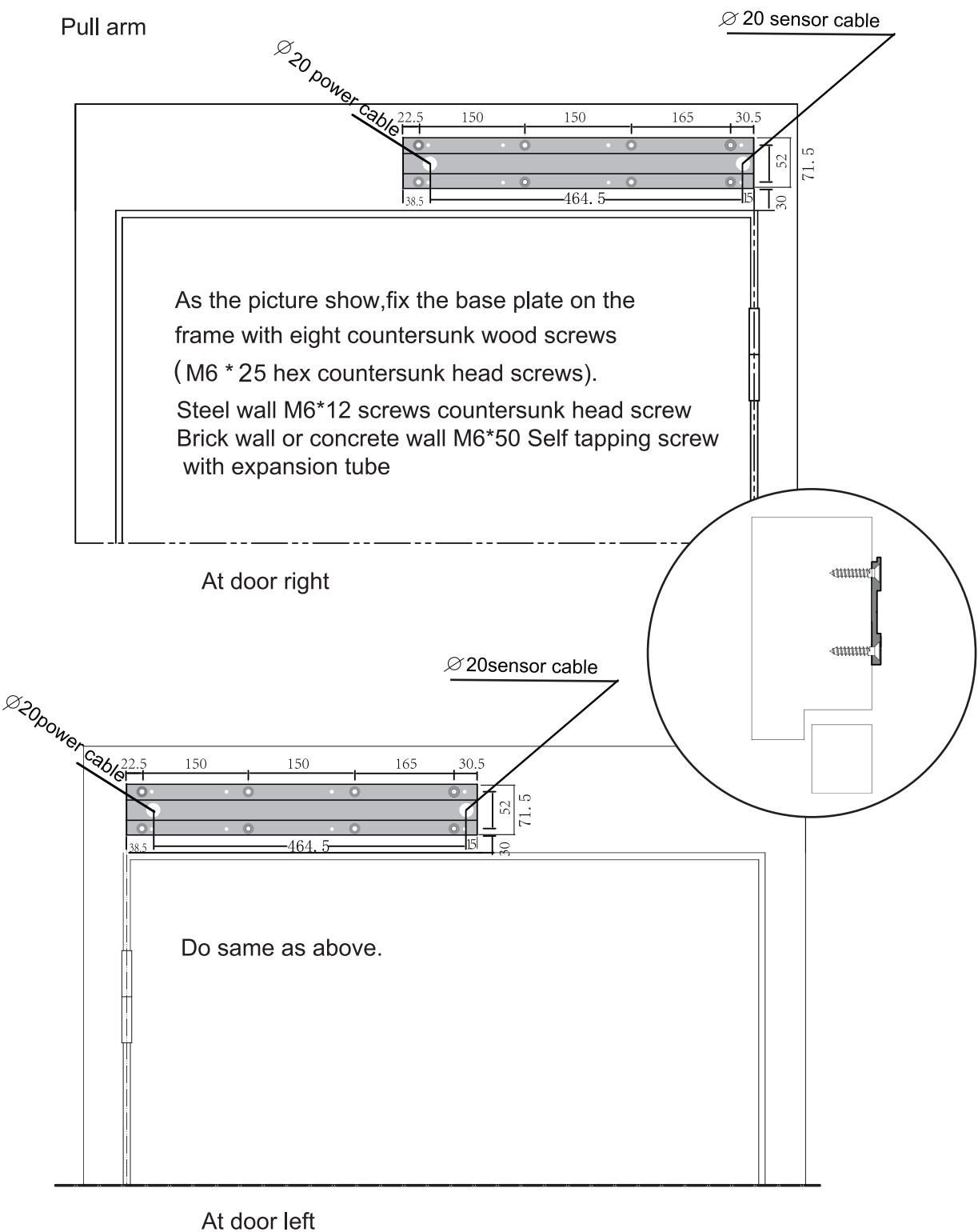


Door leaf $W \geq 550\text{mm}$
Wall depth minus door leaf thickness $\leq 180\text{mm}$



3 Installation

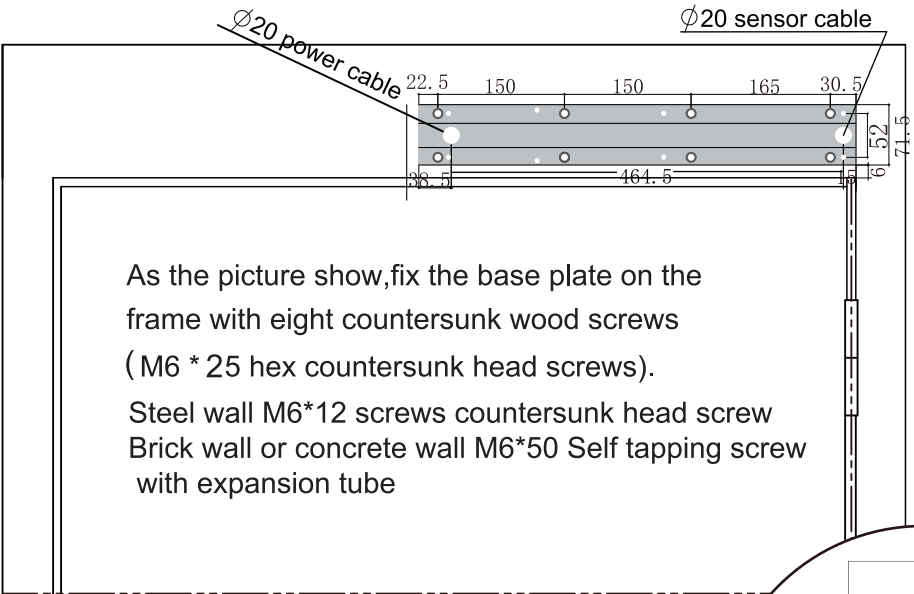
3.2 Installation of base plate



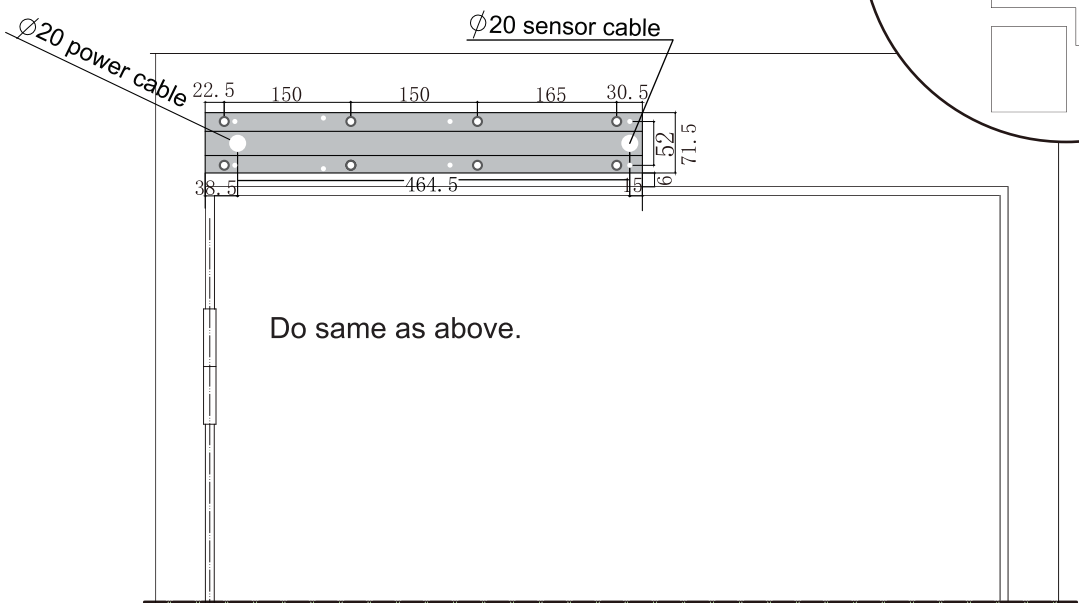
3 Installation

3.2 Installation of base plate

Push arm



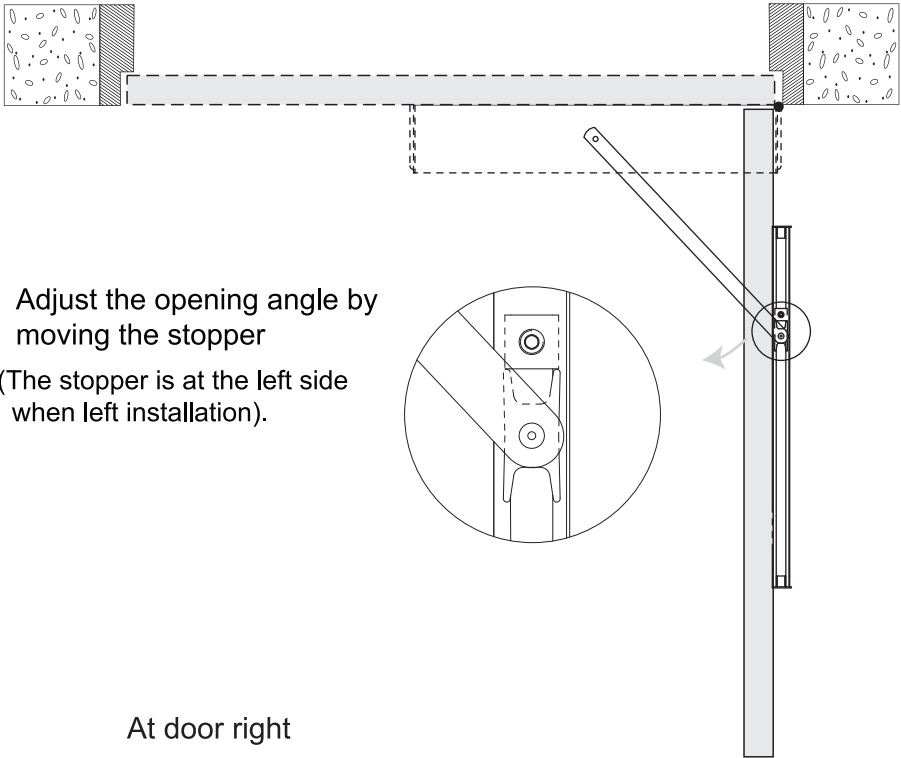
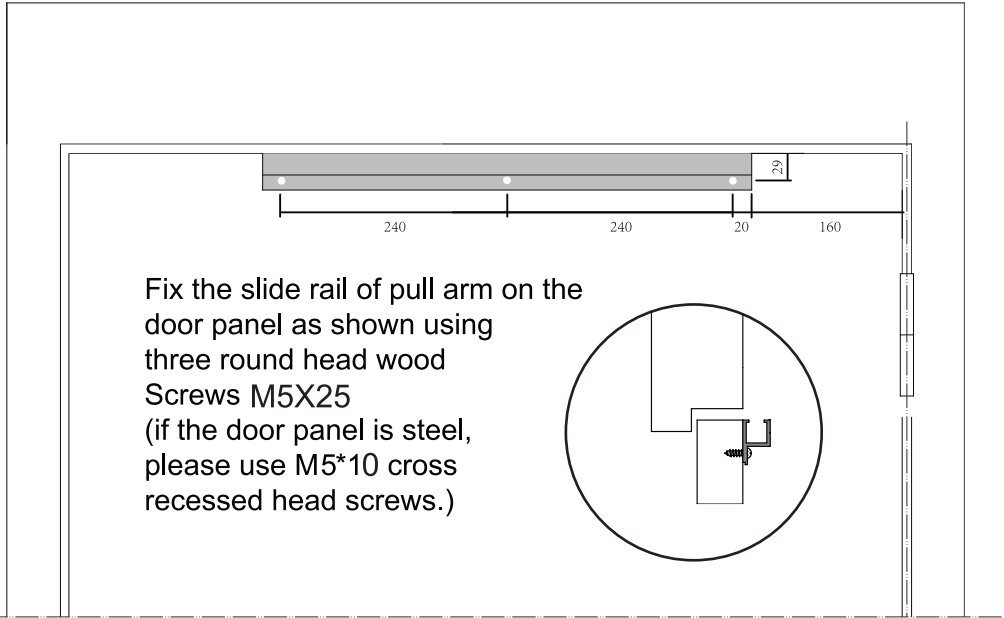
At door right



At door left

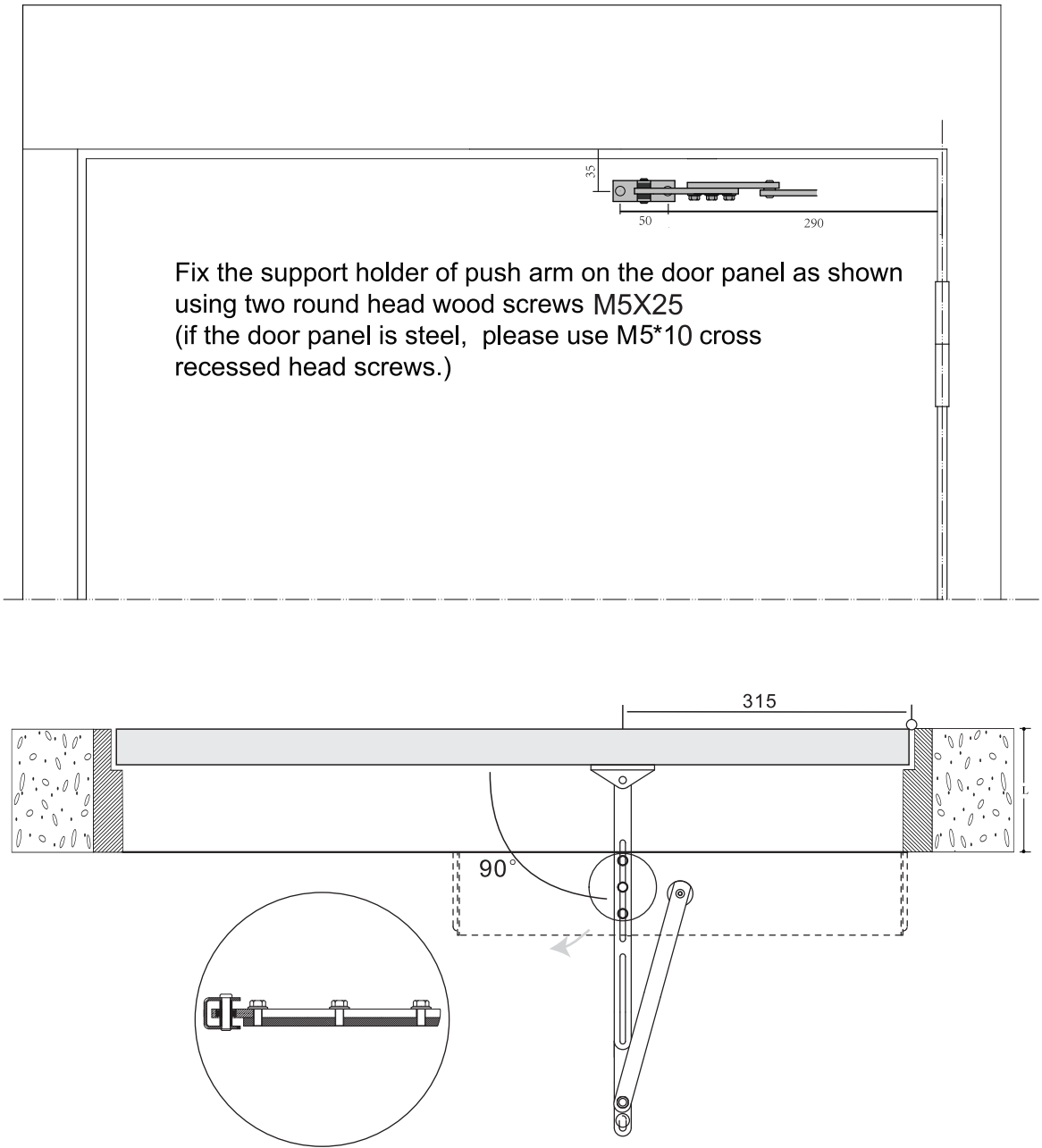
3 Installation

3.3 Pull arm



3 Installation

3.4 Push arm

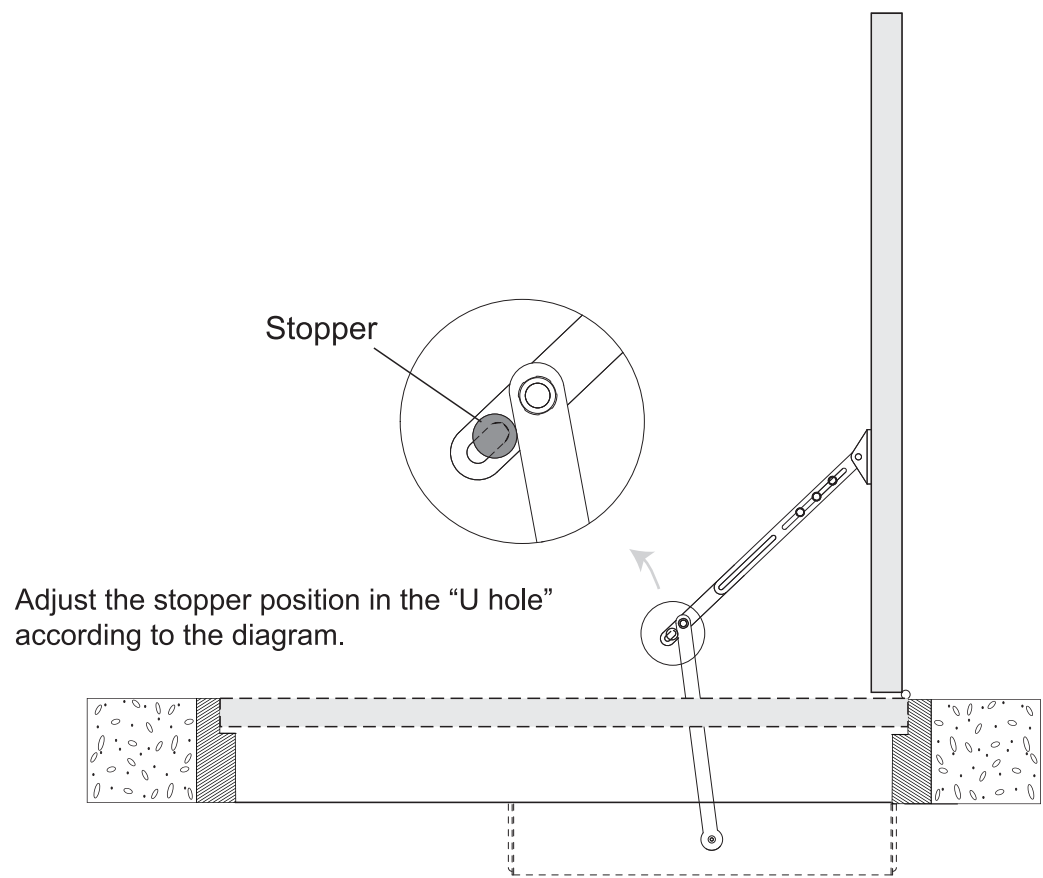


Loosen this three bolts and adjust the push arm length according to the door depth(L) until the angle between the push arm and door panel is 90° .

At door right

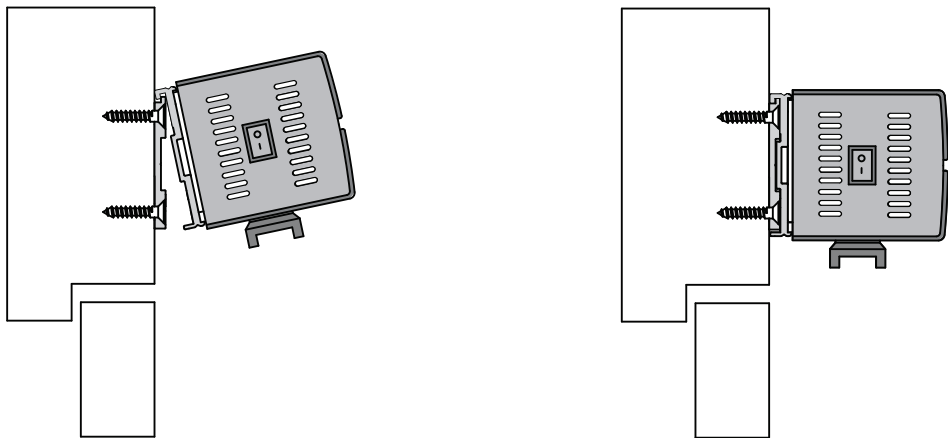
3 Installation

3.4 Push arm



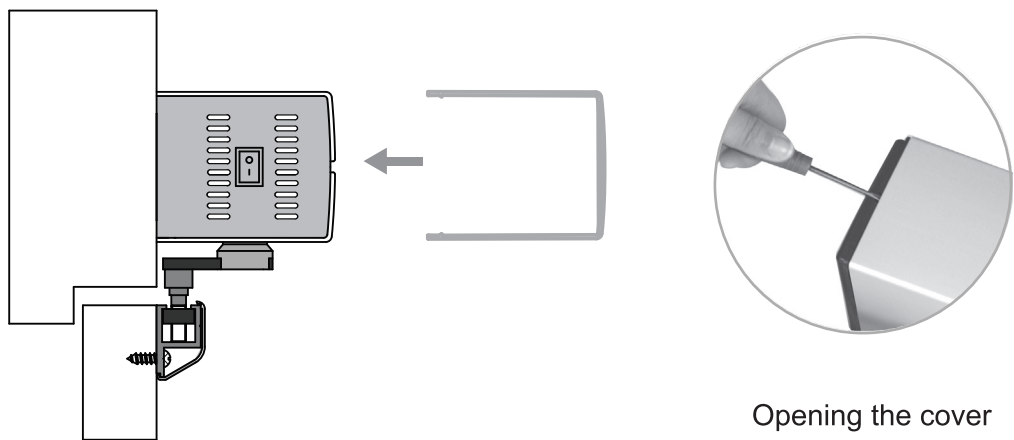
3 Installation

3.5 operation system



Hook the operation system on the finished base plate as shown, fix it with eight hexagon socket head screws.

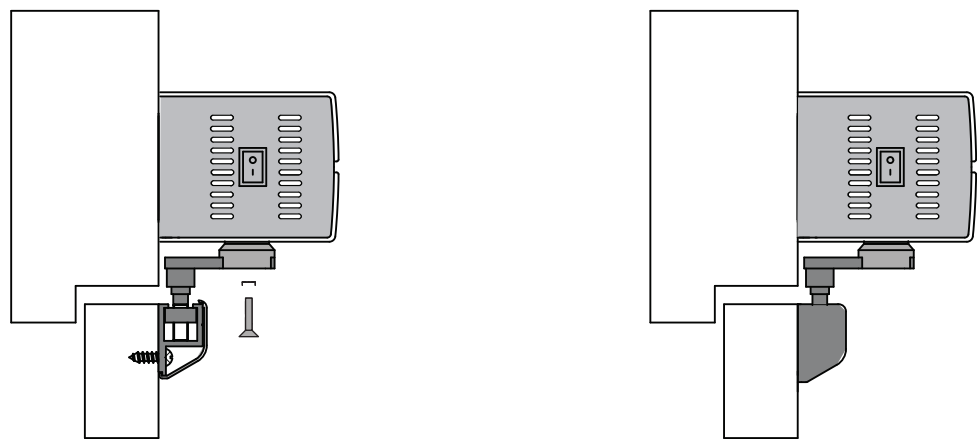
3.6 Cover



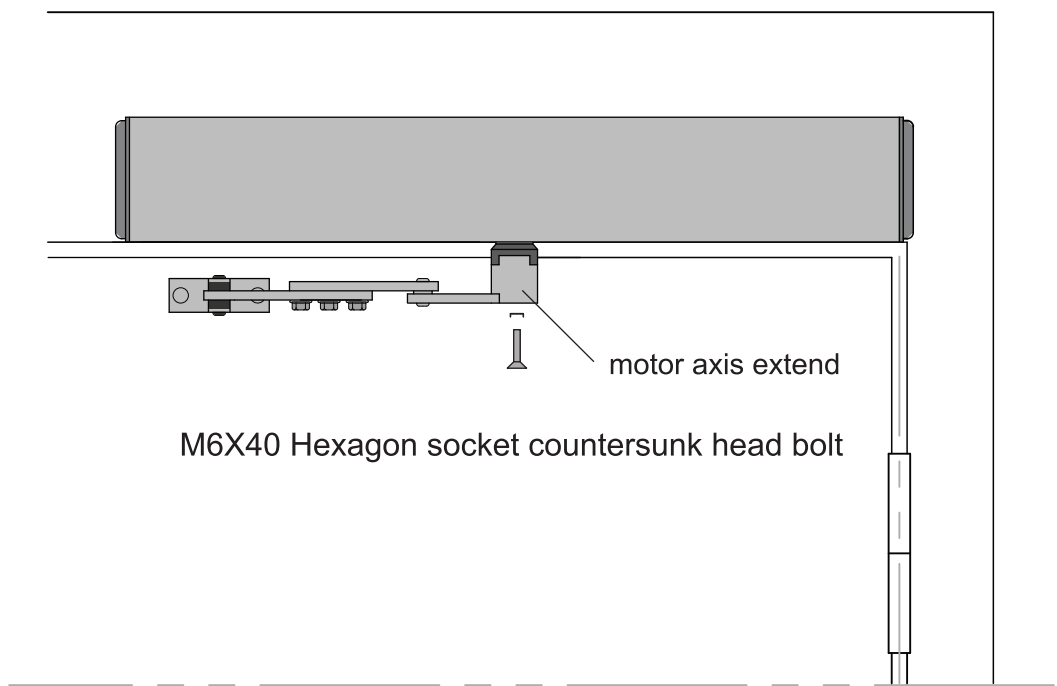
Opening the cover

3 Installation

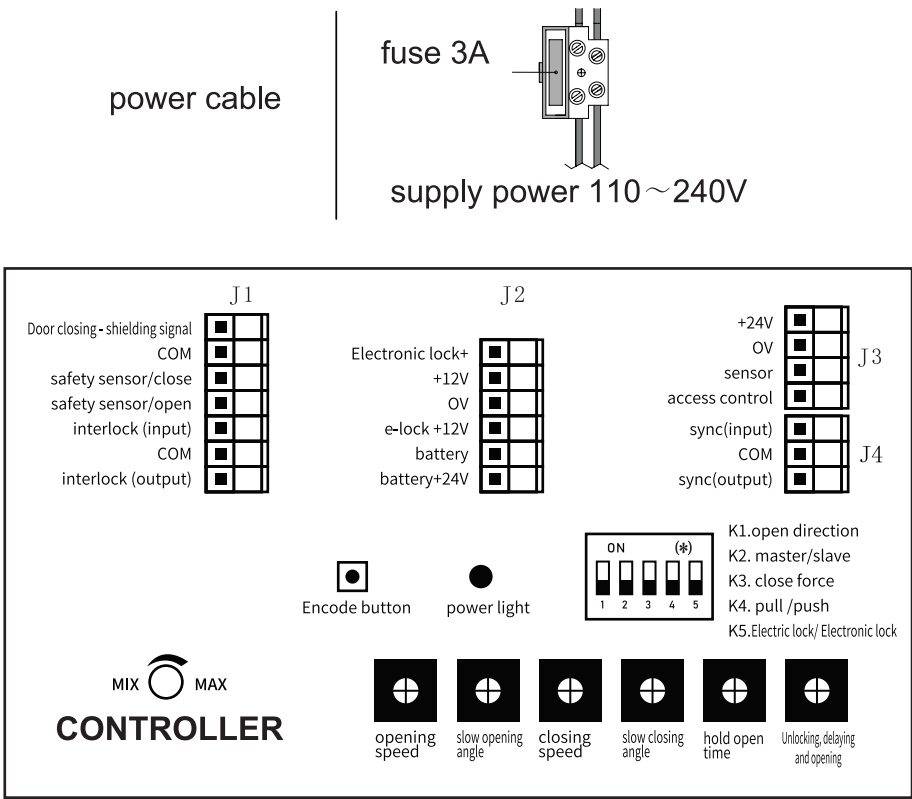
3.7 Connect the operation system and the pull arm



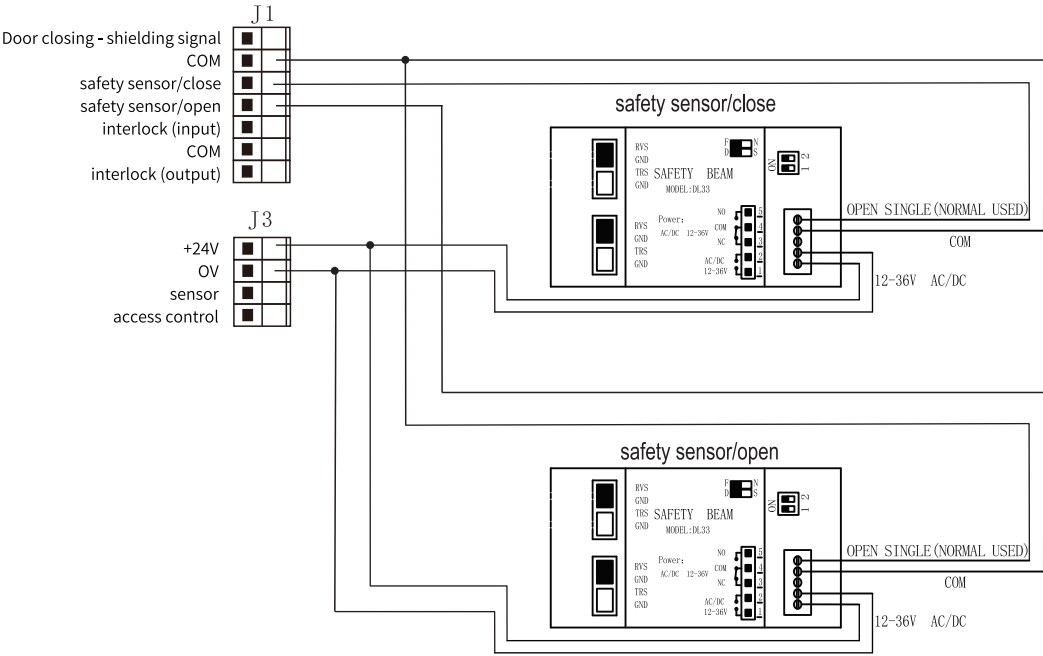
3.8 Connect the operation system and the push arm



4.Electrical connection



Safety sensor



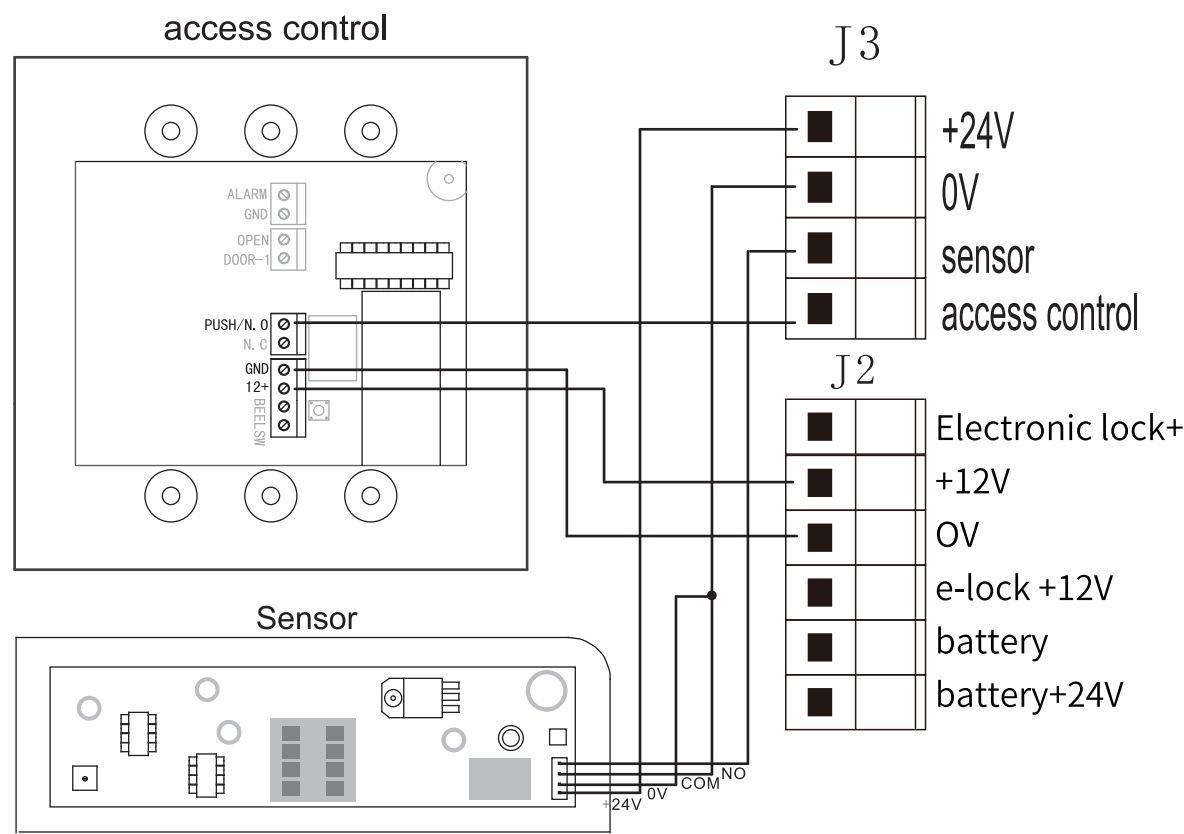
For safety, please connect the connection in J3 with 24V or J2 with 12V.

When the door is closing, the safety sensor/close work, the door will open again. When the door open the safety sensor /open work the door will stopped.

Remake: The output power of 12V should less than 10W.

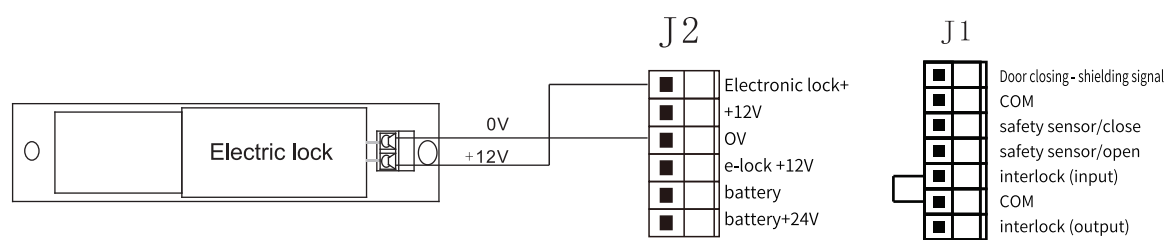
4.Electrical connection

Sensor & access control



Remark : The output power of 12V should less than 10W.

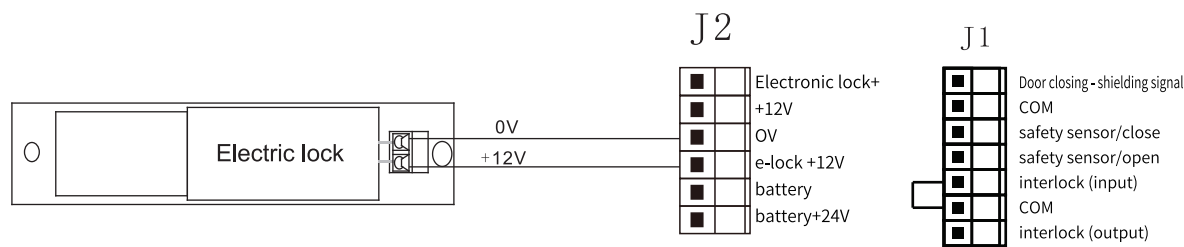
Electric lock (Automatic lock)



Note: The power supply voltage is 12V, the working current of the electric lock is less than 200MA, and the starting power is less than 800mA.

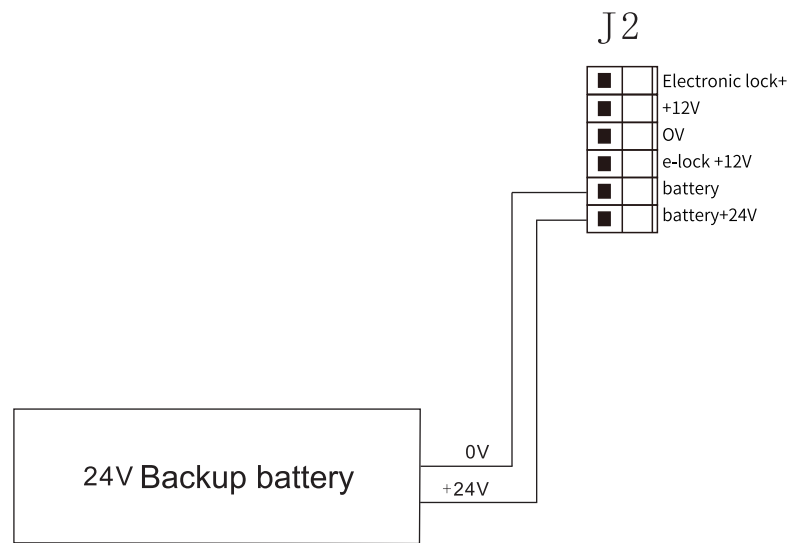
4.Electrical connection

Electric lock (Remote control lock)



Note: The power supply voltage is 12V, the working current of the electric lock is less than 200MA, and the starting power is less than 800mA.

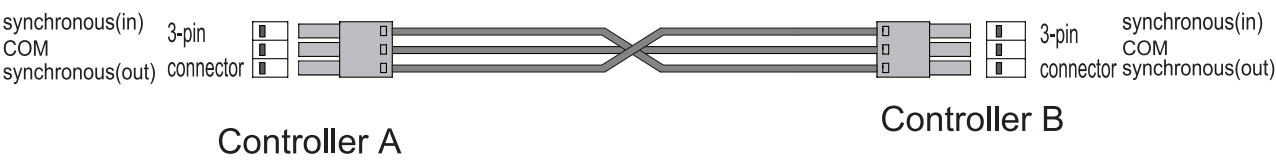
Backup battery



When the backup battery is directly connected to the controller for charging, the charging current must not be greater than 500mA.
Port voltage“battery+” is 27V

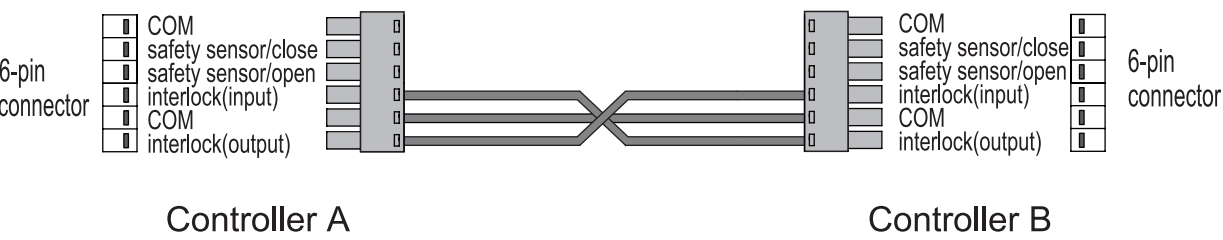
4.Electrical connection

Double-door synchronous



*When double opening, open first and close second is master door, close first and open second is slave door; Master door turn K2 down, slave door turn K2 up.
*Sensors and access control system are connected with the master door controller.

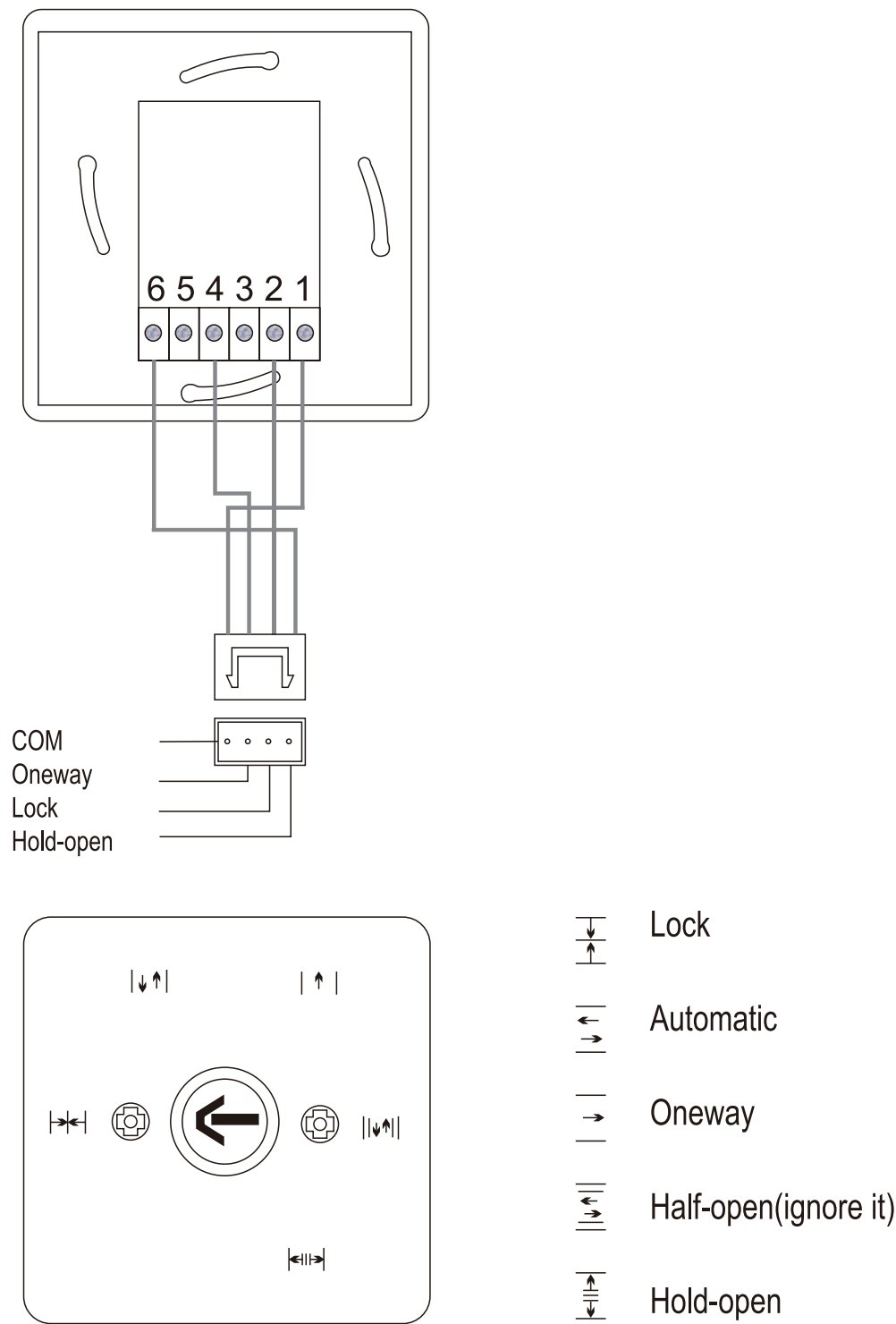
Interlock



Note: Two doors share same sensor or same signal source, both doors may hold open, in this case, exchange two signal wires of the sensor which is connected with the same controller, it doesn't matter controller A or B.

4.Electrical connection

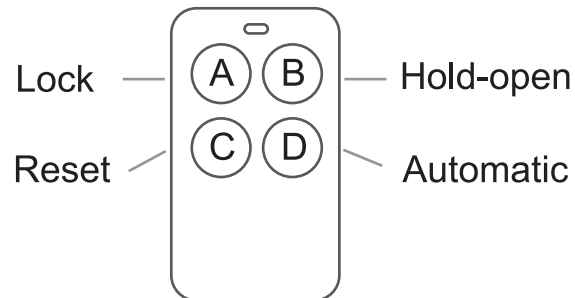
optional: Functional key switch



When the key switch is set in Oneway status, the sensor signal is shielded, But the access control system works normally.

4.Electrical connection

Optional: remote control



Encode remote control with the door controller :

1.Delete all: long press the button “Encode” until the sound of buzzer disappears, loosen the button.

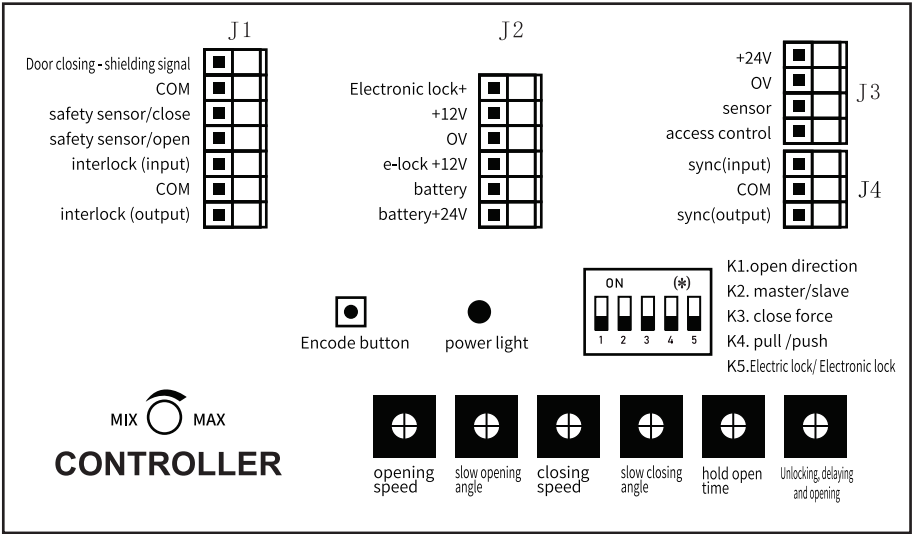
2.Encoding: long press the button “Encode”, the buzzer sounds. Then press any button of the remote control, the buzzer stops sounding which means encoding successfully.

When use the remote control, the buzzer sounds for 2 seconds.

3.Press button “automatic” one time, the door will open and close one time.

One controller can be connected with remote control not more than 10pcs .

5.Parameters adjustment



1. Set the DIP switch(K1-K5): after setting, power off and restart.

- K1: Set opening direction: power on, the door goes to closing direction, if not,change the switch position.
- K2: Set master/slave door: when double-door synchronous, master door turn K2 down (OFF), slave door turn K2 up(ON).
- K3: Set closing force: no closing force, turn K3 down(OFF), want closing force, turn K3 up (ON).
- K4: Choose pull arm or push arm: pull arm, turn K4 down(OFF), push arm, turn K4 up (ON),
- K5: Electric lock / Electronic lock selection. Electric lock down (off), Electronic lock (on)

2. User adjustment:

- | | |
|-----------------------------------|--------------------------------|
| 1.Opening speed | turn clockwise, speed increase |
| 2.Slow opening angle | turn clockwise, angle bigger |
| 3.Closing speed | turn clockwise, speed increase |
| 4.Slow closing angle | turn clockwise, angle bigger |
| 5.Hold-open time | turn clockwise, time longer |
| 6.Unlock, delay and open the door | turn clockwise, angle bigger |

Turn anticlockwise, it is decreased.

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