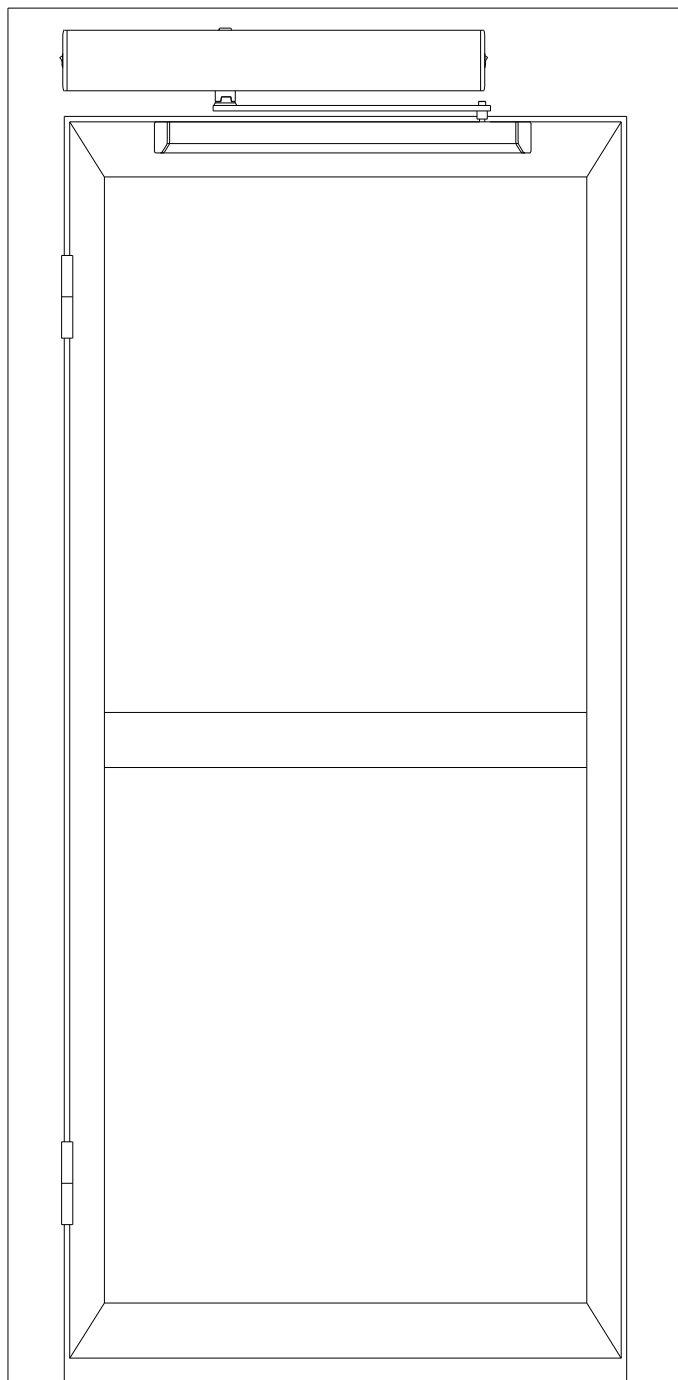


AUTOMATIC SWING DOOR

HEAVY DUTY

A165SW



CONTENTS

◆ Safety guide	01
◆ Technical data	02
◆ Components	03-04
◆ Installation	05-10
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Chapter 1 Safety guide

Warning

Beware of electric shock and fire

- ★ During installation and adjustment, please follow this manual;
- ★ Don't allow to decompose, transform or repair the components;
- ★ Input supply power AC 220V, make sure the Ground wire is connected;
- ★ Whole process of the installation, the power must be disconnected.

Beware of electric injure and malfunction

- ★ When the door is under working, don't cut off the power;
- ★ There is person or block in the door, don't turn on the power;
- ★ Power failed, you can open the door by hand, please take care of your finger;
- ★ If open by hand, please make sure the door is running in the right trajectory;
- ★ Don't allow to disassemble the gear box from motor, because the spring fly out may hit you.

DC 24V output is for sensor (please don't use other power for the sensor)

Note:

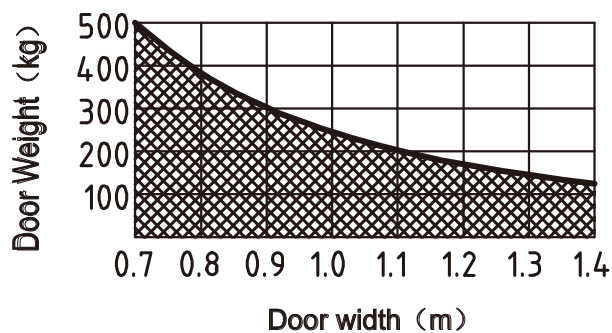
Before installation, please read this manual carefully and fully understand it, then do the installation. (If you didn't follow this manual, any problem happened will be responsible by yourself.)

Chapter 2 Technical Data

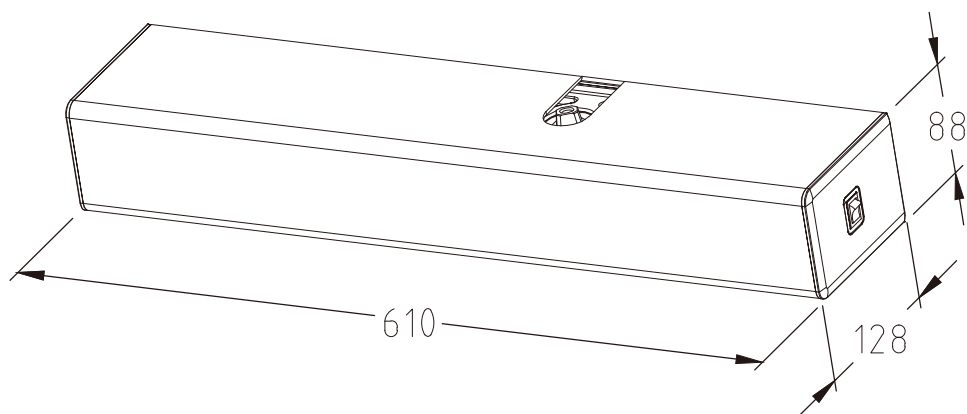
1. Technical data

Supply power:	220V AC $\pm 10\%$, 50/60Hz
Power consumption:	100W (max)
Drive unit:	24V DC Motor
Anti-press device:	STD
Open angle:	80°-100°
Opening time (speed) :	3-7Sec. (adjustable)
Closing time (speed) :	3-7Sec. (adjustable)
Hold-open time:	0.5-30Sec. (adjustable)
Drive arm:	pull arm(inward open) / push arm(outward open)
Environment temperature:	-20°C-45°C
Relative humidity:	$\leq 85\%$

2. Door width and weight:

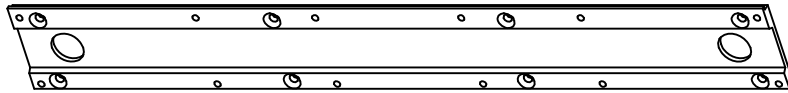


3. Product dimension (mm):

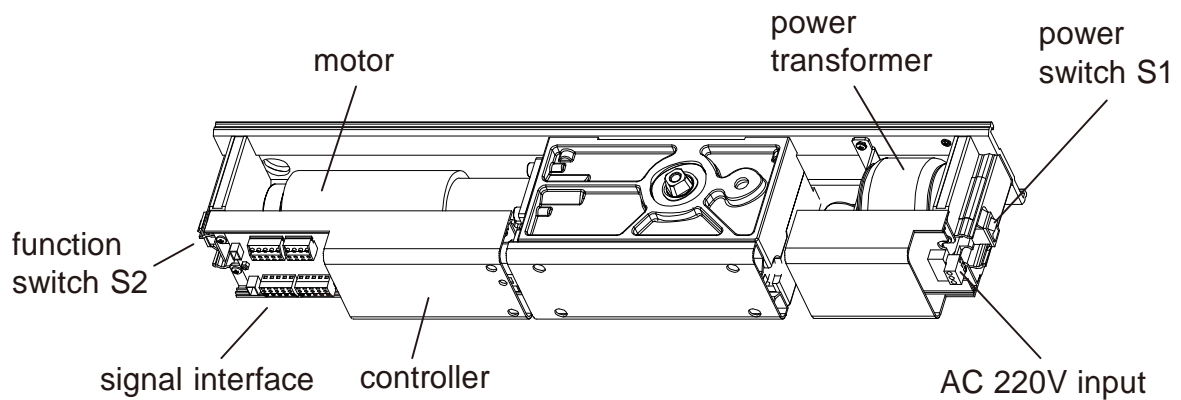


Chapter 3 Components

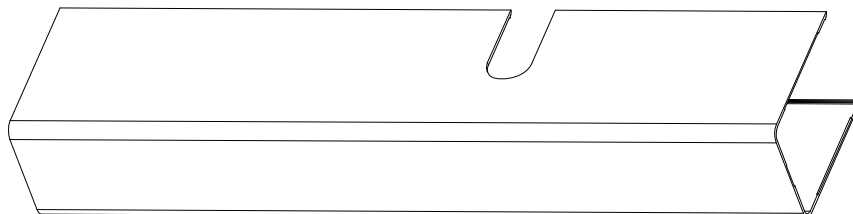
Description(1)



Base plate

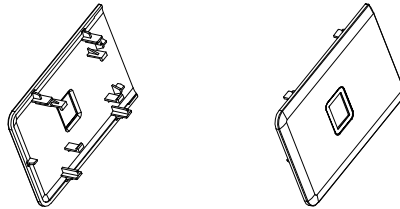


Drive device

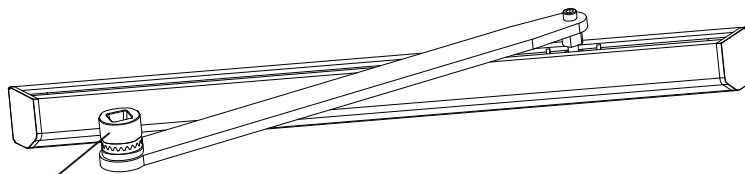


Cover

Description(2)

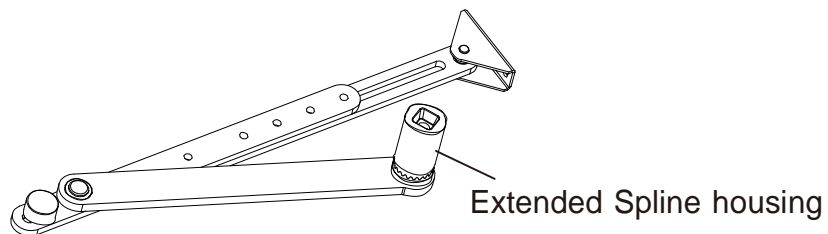


end caps (1 pair)



Spline housing

Pull arm (alternative with push arm)



Extended Spline housing

Push arm (alternative with pull arm)

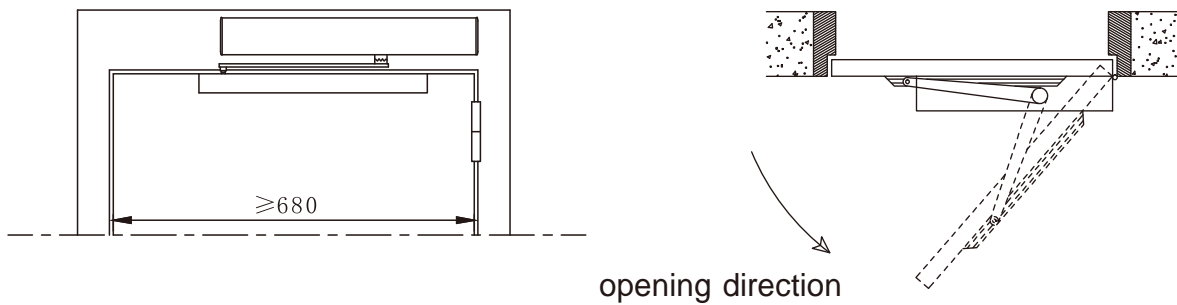
Chapter 4 Installation

1. Application of Pull arm or Push arm

Application of pull arm mounting

(for example, right mounting)

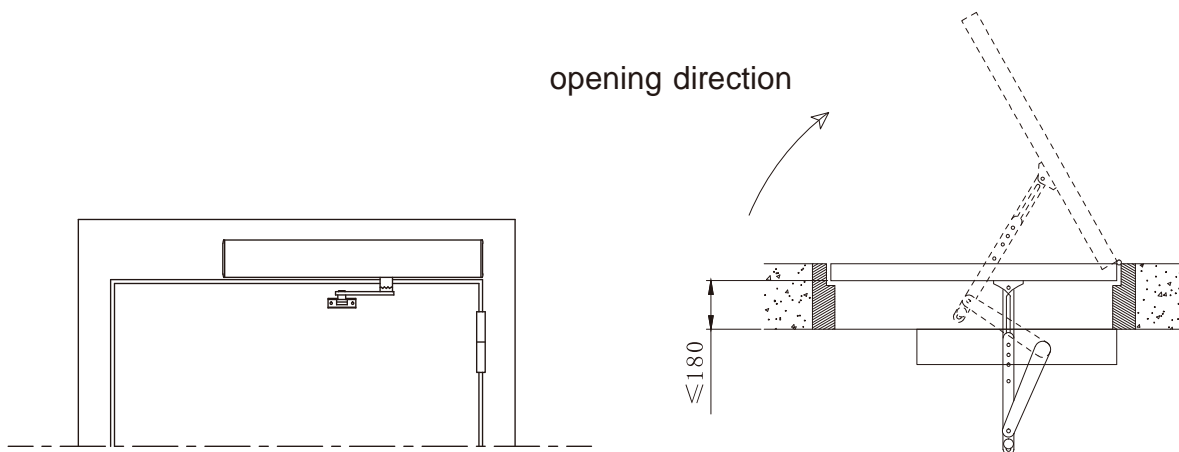
Suitable for inward open doors (the drive is inside), door leaf width min. 680mm.



Application of push arm mounting

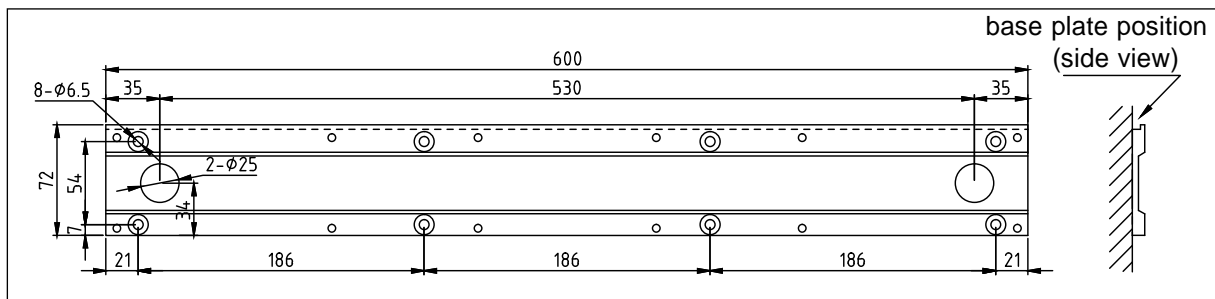
(for example, right mounting)

Suitable for outward open doors (the drive is inside), the depth between the door face and the opposite wall should be less than 180mm.

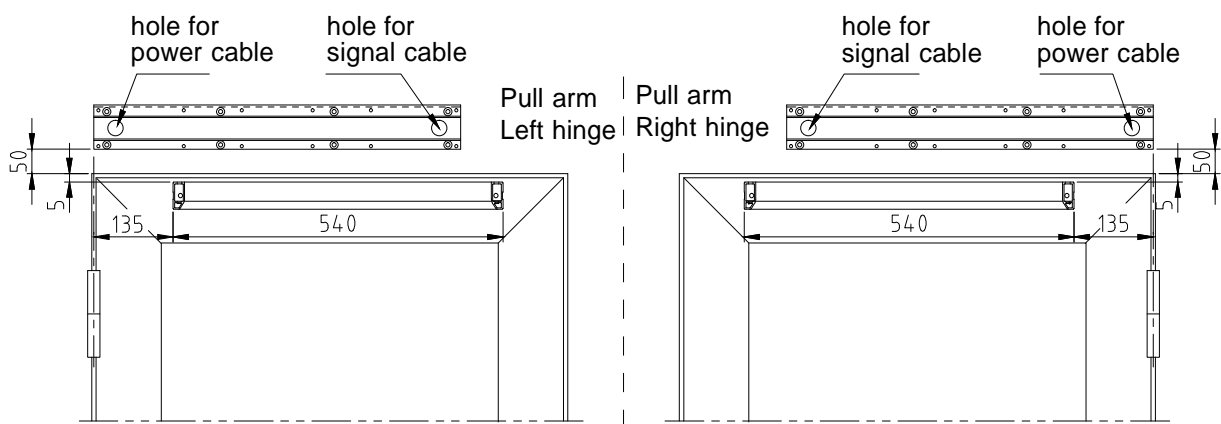


2. Installation with pull arm

1. Base plate and slide rail

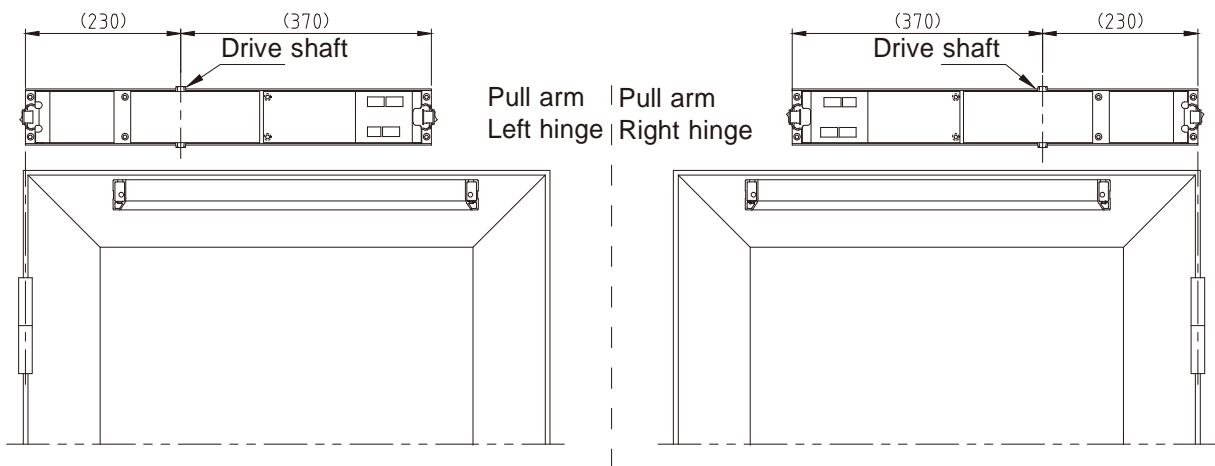
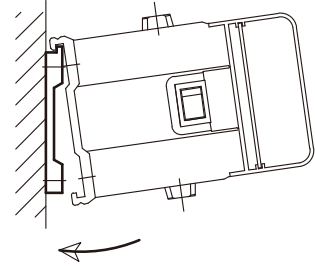


base plate dimension



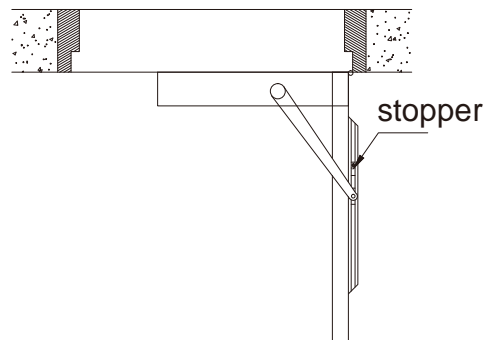
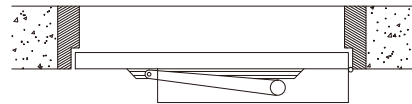
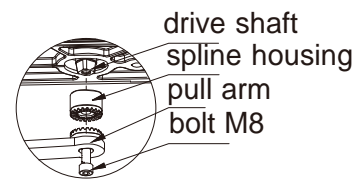
2. Drive device

Hang the drive device onto the base plate and tighten with 8pcs bolts M6x12.



3. Install pull arm

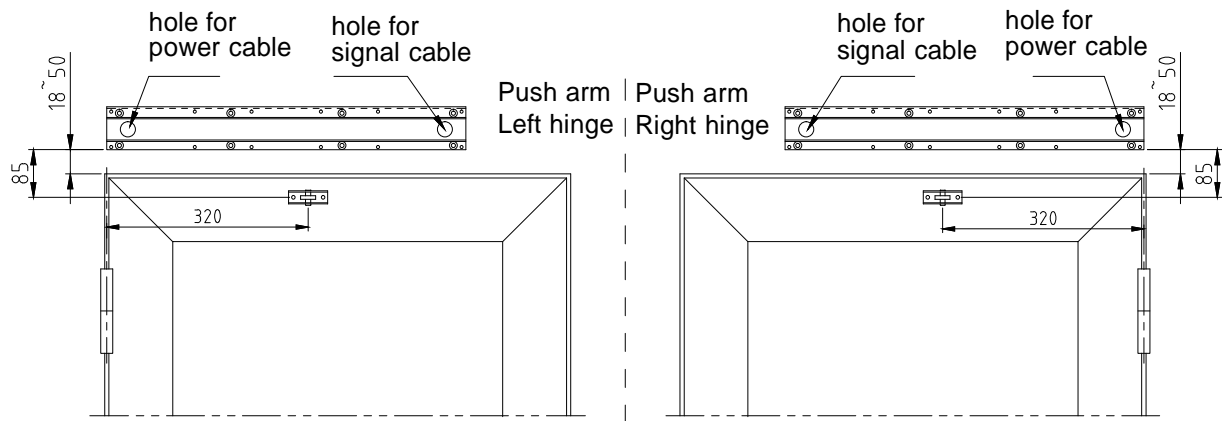
Take the Right hinge assembly as an example, according to the diagram, assemble the spline housing, the pull arm and the drive shaft together, Fasten the M8 bolts and tight torque is 15 N.m. The position of the stopper is adjusted according to the actual full opening Angle.



3. Installation with push arm

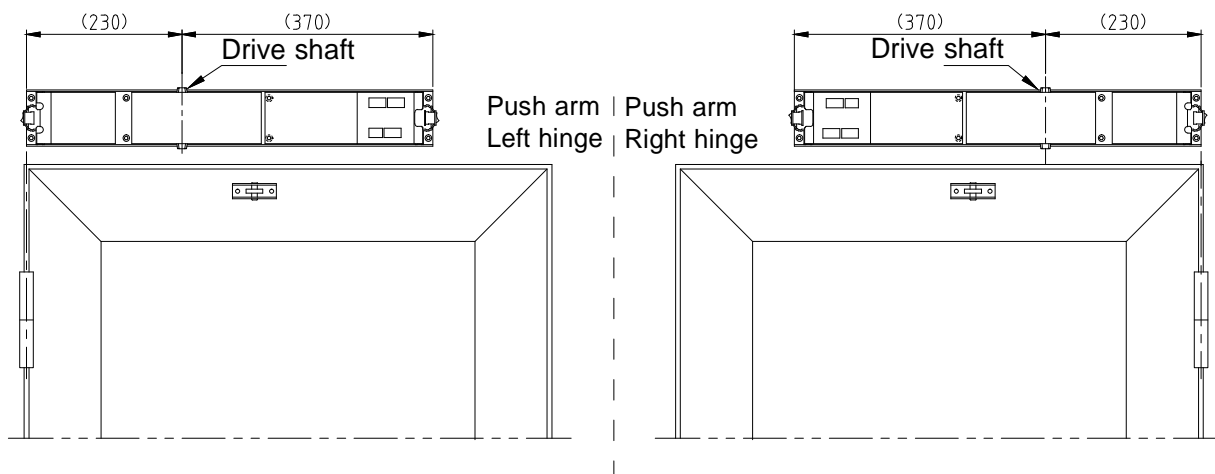
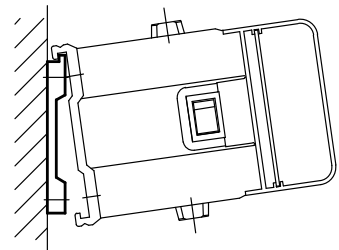
1. Base plate and fixed seat of push arm

Base plate dimension is on P6 (base plate and slide rail installation).



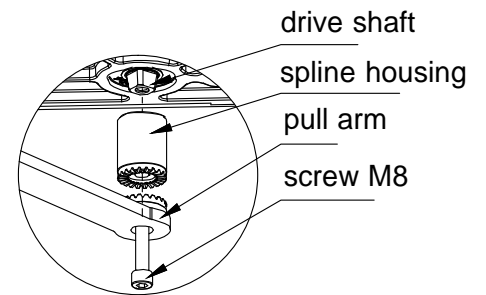
2. Drive device

Hang the drive device onto the base plate and tighten with 8pcs bolts M6x12.

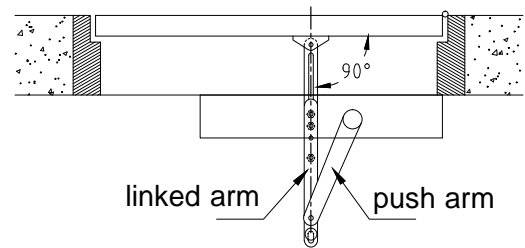


3. Install push arm

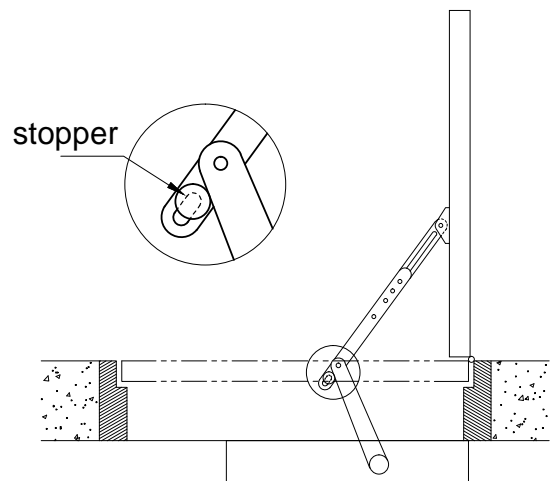
Take the Right hinge assembly as an example, according to the diagram, assemble the spline housing, the push arm and the drive shaft together. Fasten the M8 screws and tight torque is 15 N.m.



Install the linked arm and adjust the length of it so that it is perpendicular to the door body at the door closed position.

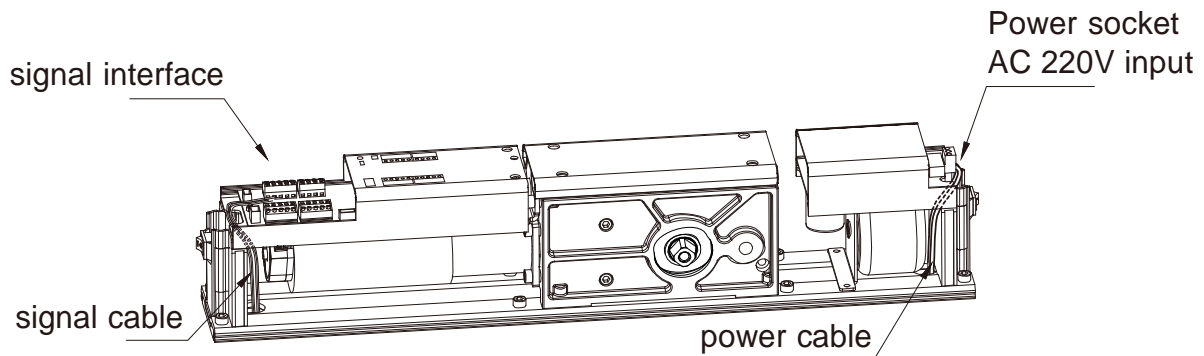


The position of the stopper is adjusted according to the full opening angle of the door.



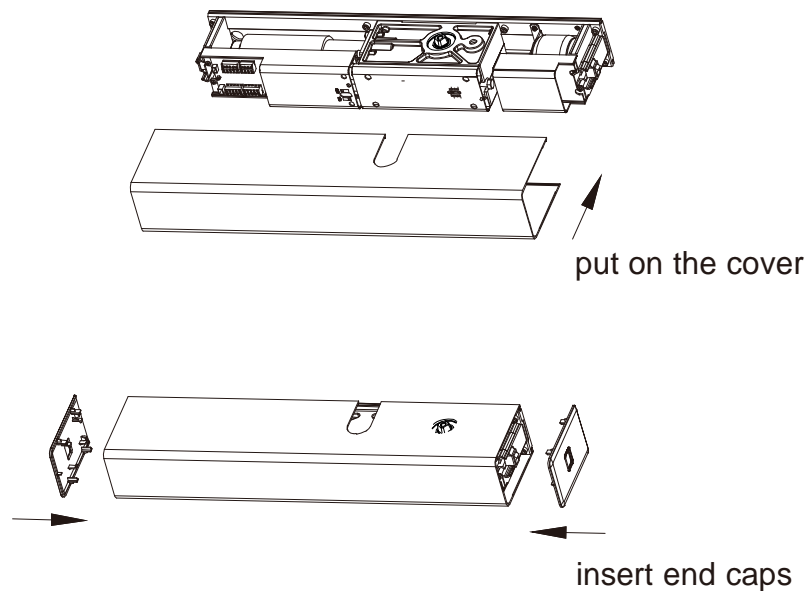
4. Cable connection

The power cable and signal cable are connected to their respective terminals go through the position shown in the figure. Please refer to P14 " Electronic connection " for the wiring of signal cables.



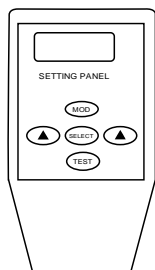
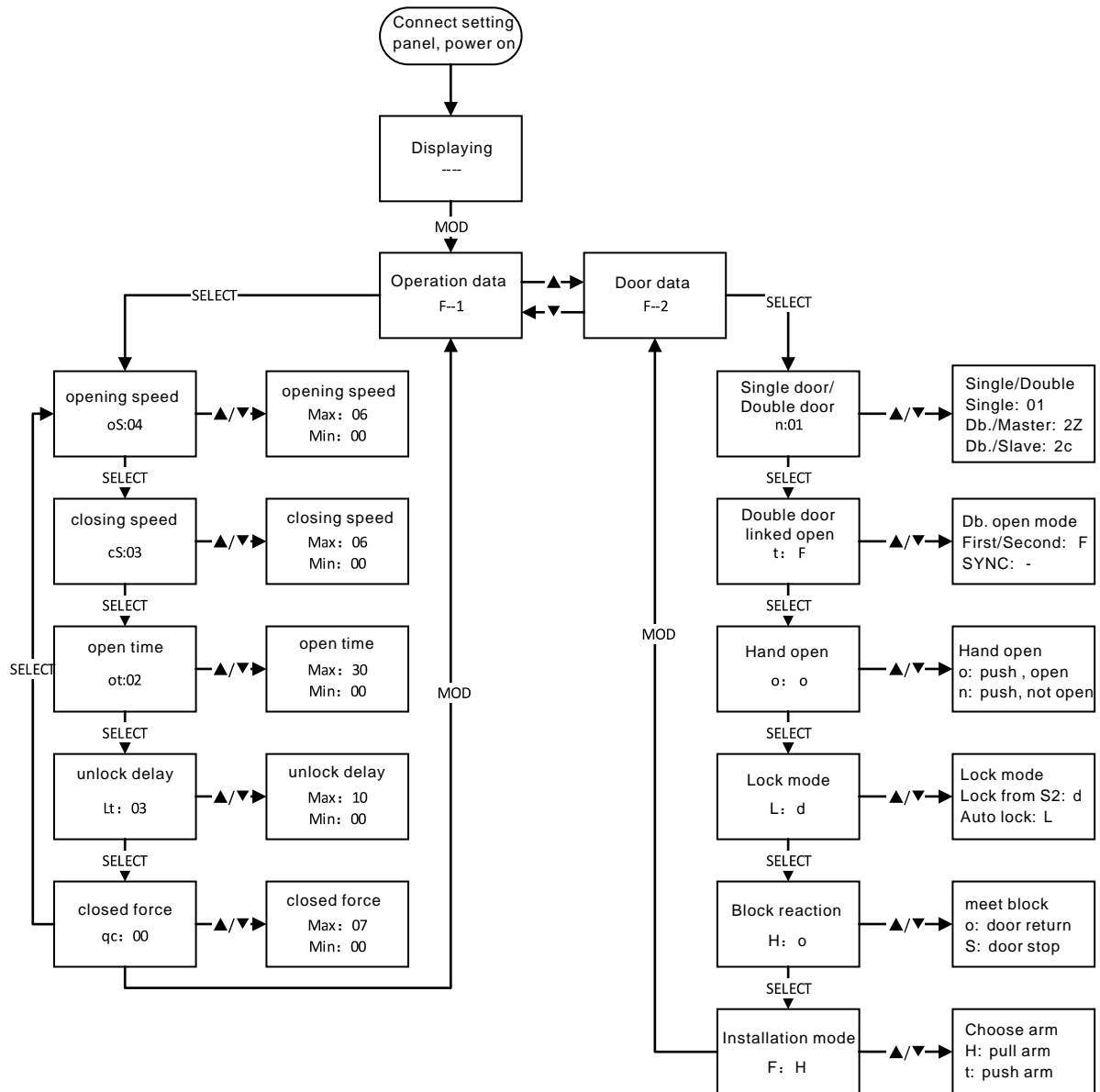
5. Cover and end caps

After all debugging, put on the cover and end caps.



Chapter 5 Debugging

1. Parameter setting



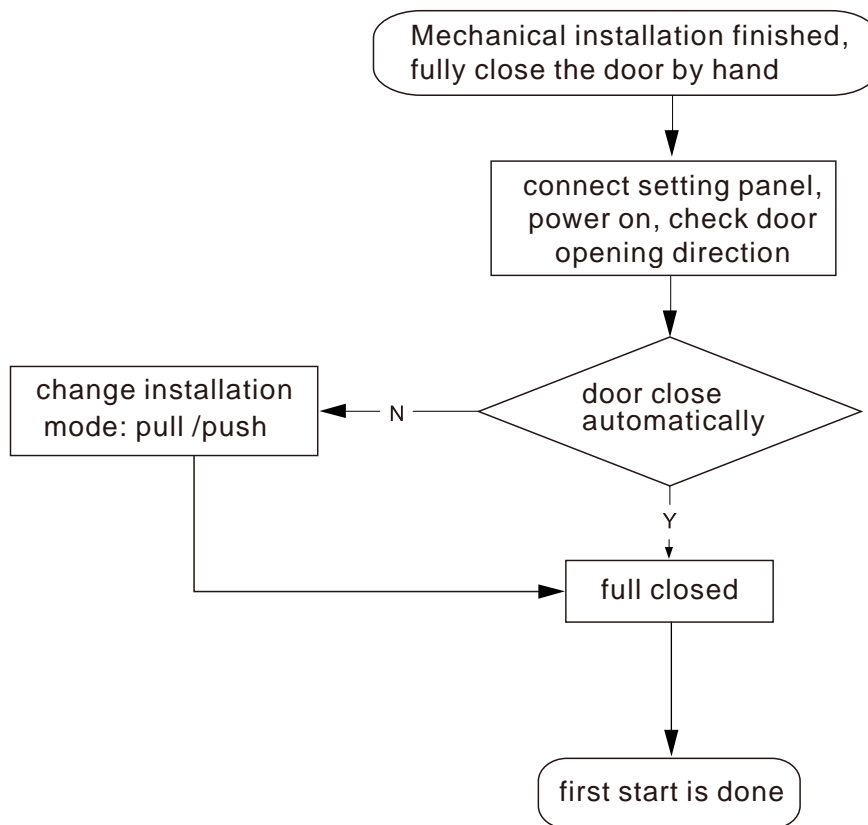
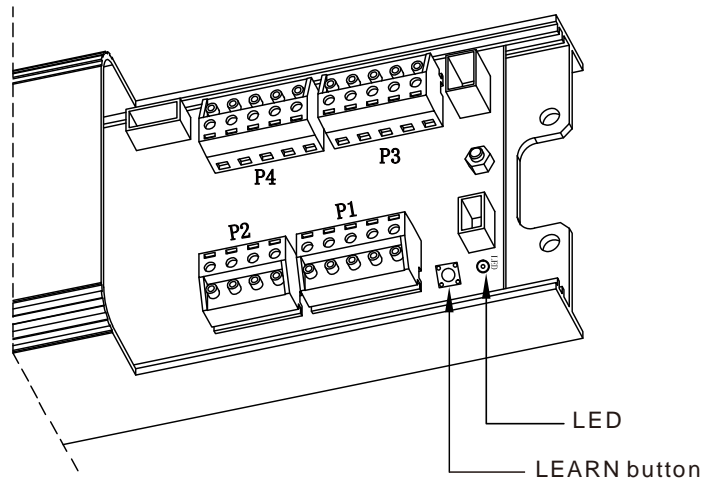
MOD: Press MOD enter into menu

▲/▼: increase / decrease

SELECT: confirm

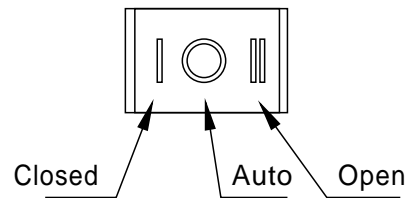
TEST: After debugging, test before confirm

2. Initialization Setting



3. State setting

Choose door state from function switch S2:

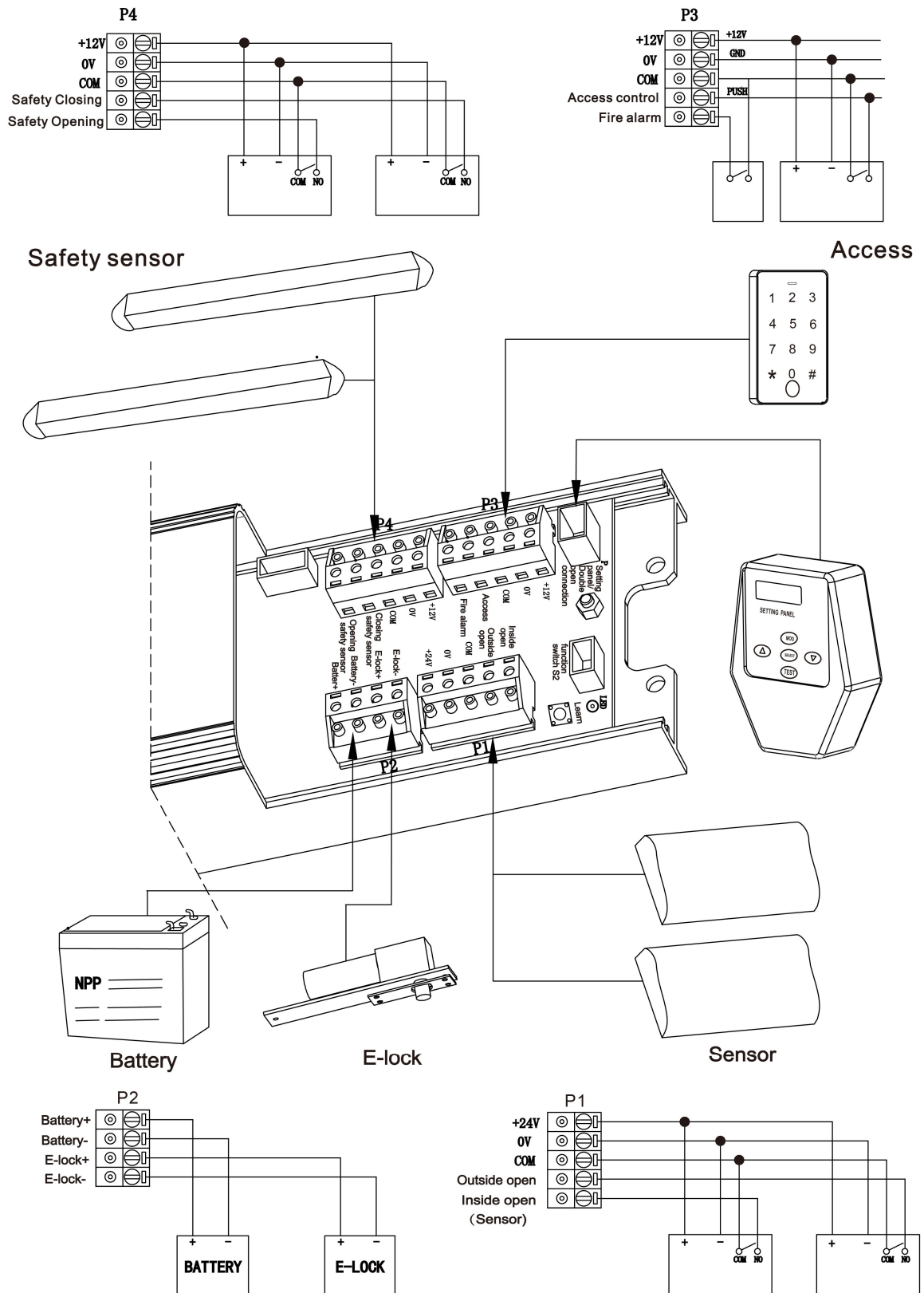


Closed: sensor signal is shielded, electric lock automatically lock, but access control signal is effective .

Open: the automatic door keep fully open.

Automatic: all signal inputs are valid.

4. Electronic connection



5. Double open connection (optional)

