



### Product Model :

1. EL-ATD-200SWPL – Pull Automatic Door Operator
2. EL-ATD-200SWPS – Push Automatic Door Operator

### Specification:

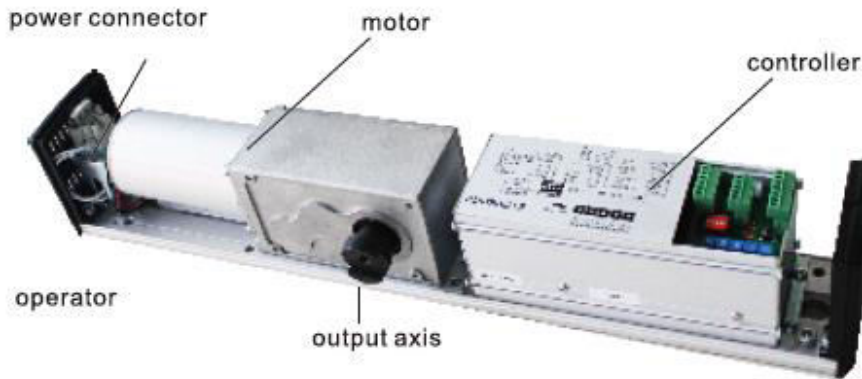
Product Parameter	Parameter Description
Dimensions (unit)	540Lx95Wx82H(mm)
Door body form	Single Door
Carrying weight	≤1 x 100kg
Applicable door width	≤1200mm
Voltage	AC220V ± 10% , 50/60Hz
Power Consumption	5W
Opening time	3-7S/90° (Adjustable)
Hold open time	1-30S (Adjustable)
Protection Class	IP12D
Temperature	-20~+55°C
Weight	6.5kg

\*All specifications are subject to change without prior notice

Components:



base plate



operator

output axis



cover



pull arm(alternative)  
Inward opening



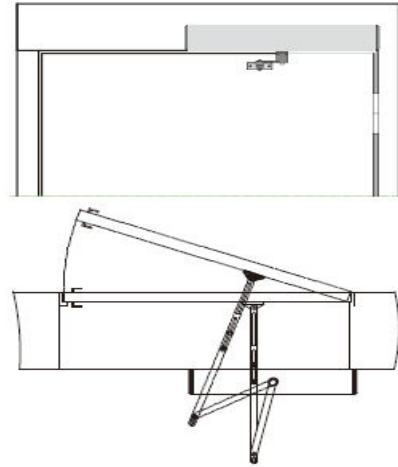
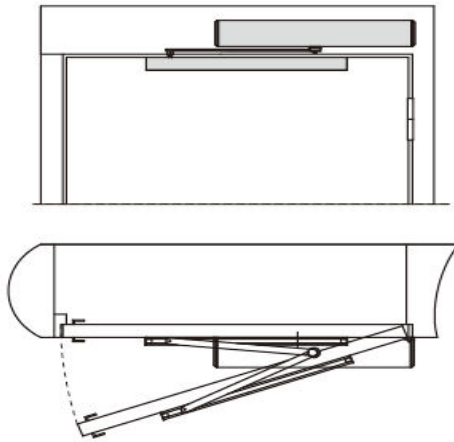
push arm(alternative)  
Outward opening

## Installation:

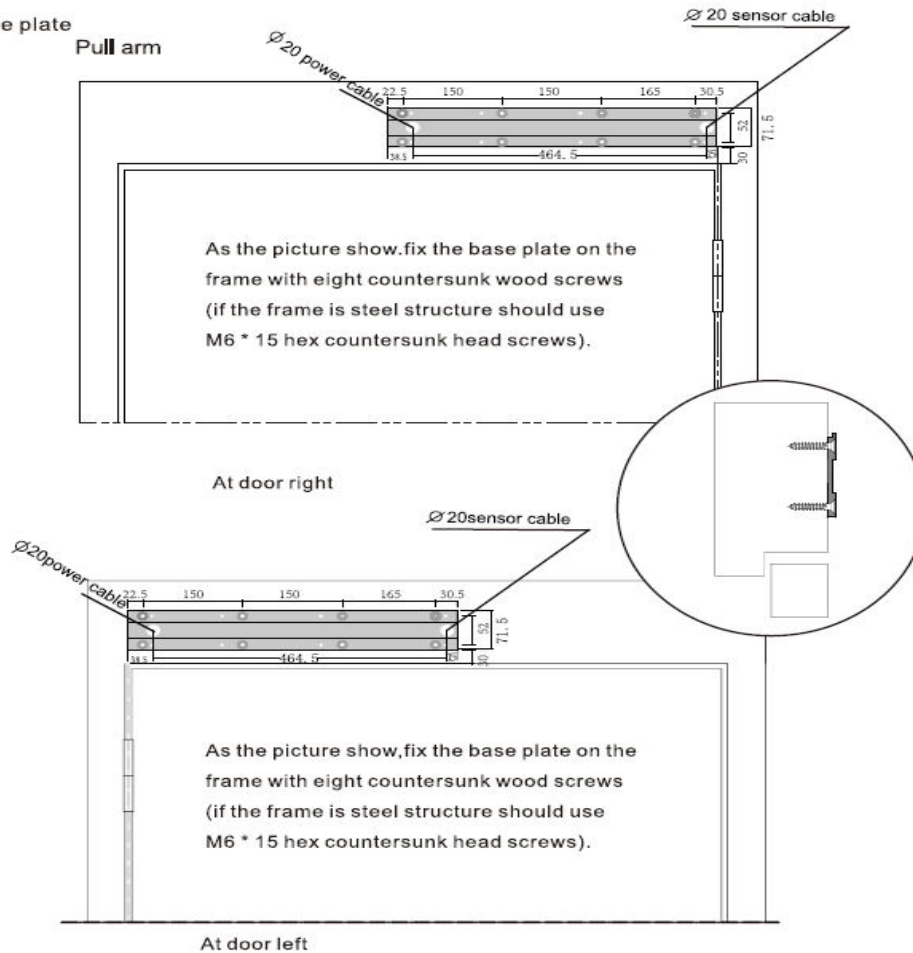
### 1 Installation example

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

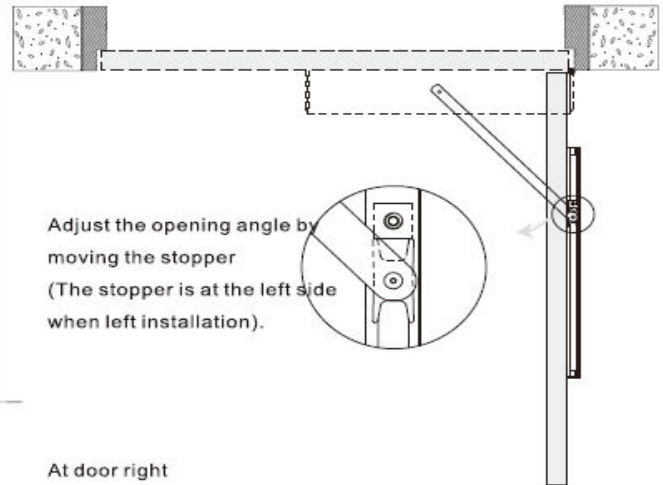
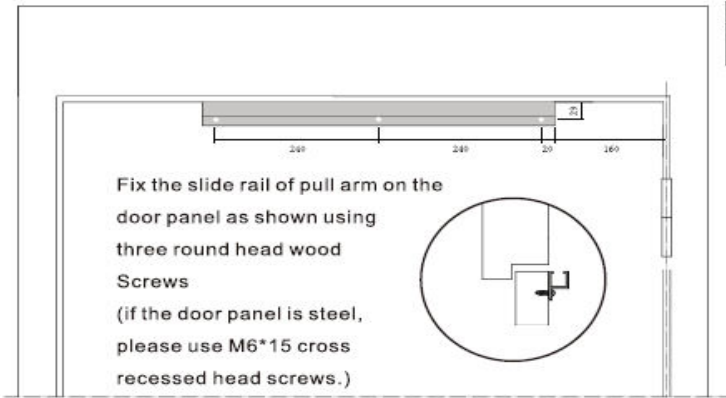
Choose push arm: door leaf open toward outside (operator is inside)



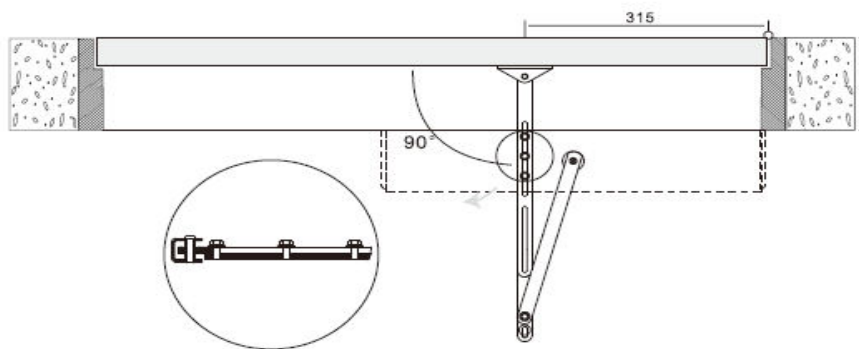
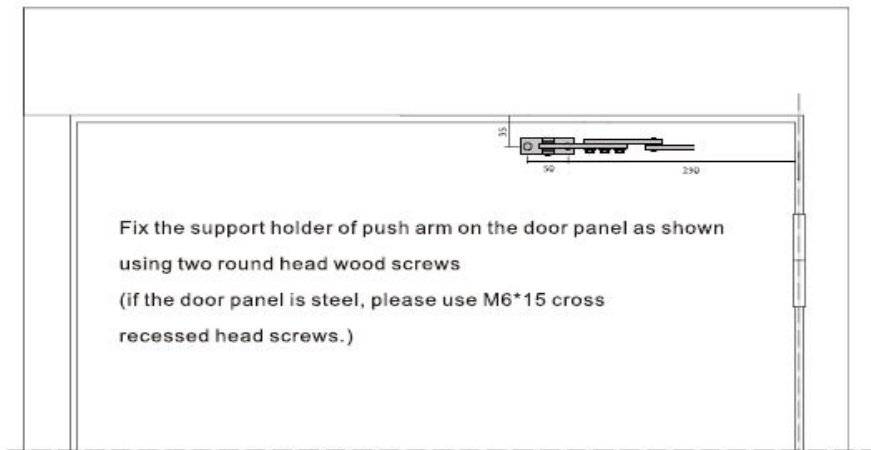
### 2 Installation of base plate



### 3 Pull arm



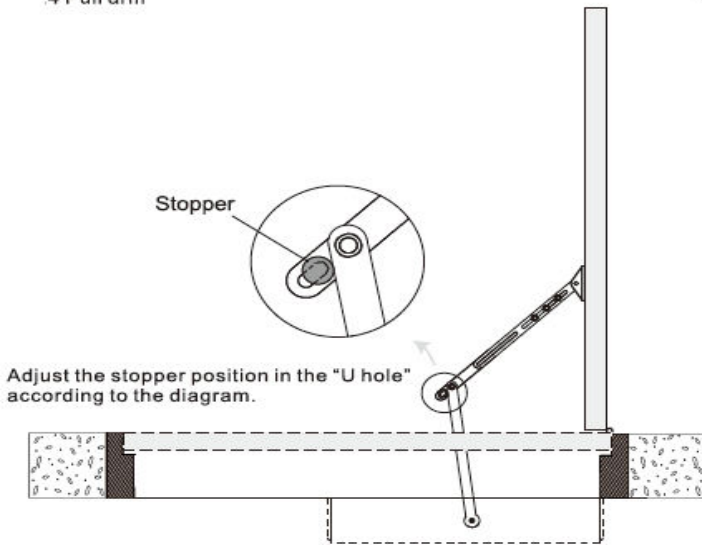
### 4 Pull arm



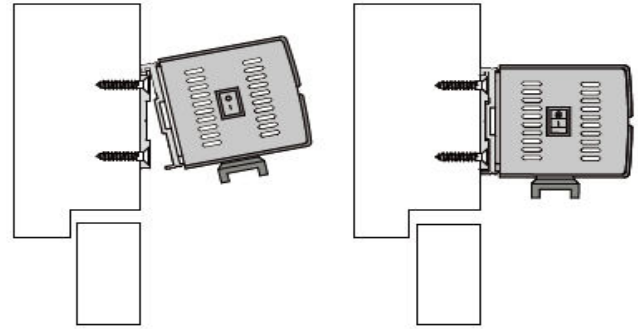
Loosen this three bolts and adjust the push arm length according to the door depth(L) until the angle between the push arm and door panel is 90°.

At door right

### 4 Pull arm

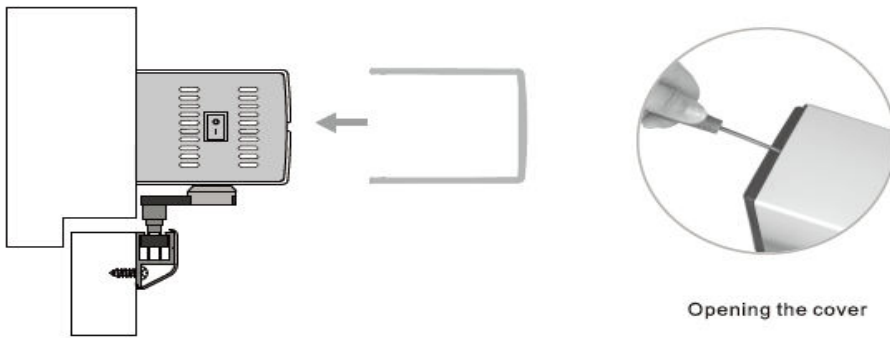


### 5 operation system

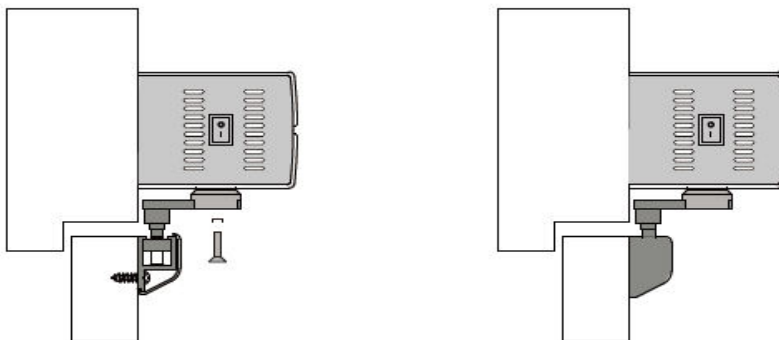


Hook the operation system on the finished base plate as shown, fix it with eight hexagon socket head screws.

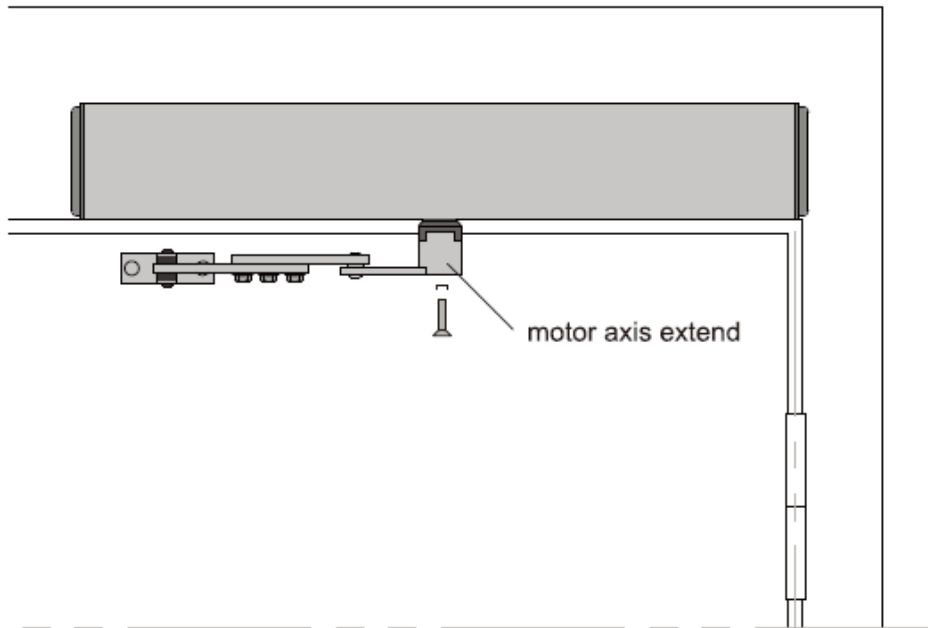
### 6 Cover



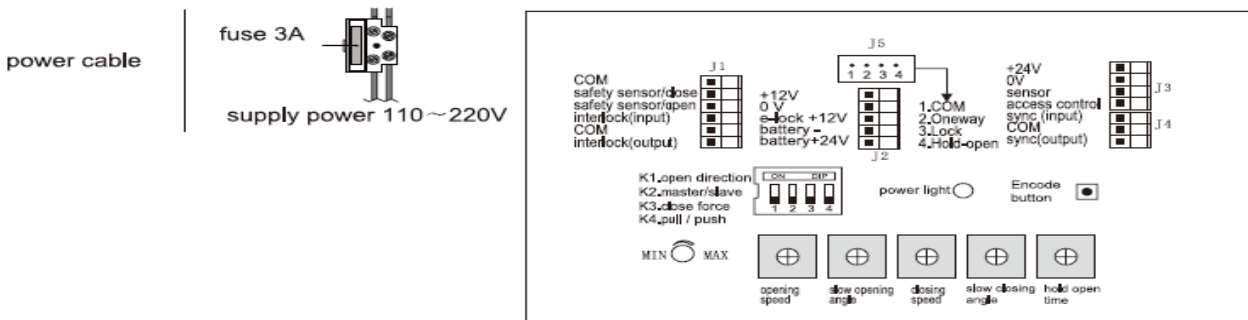
### 7 Connect the operation system and the pull arm



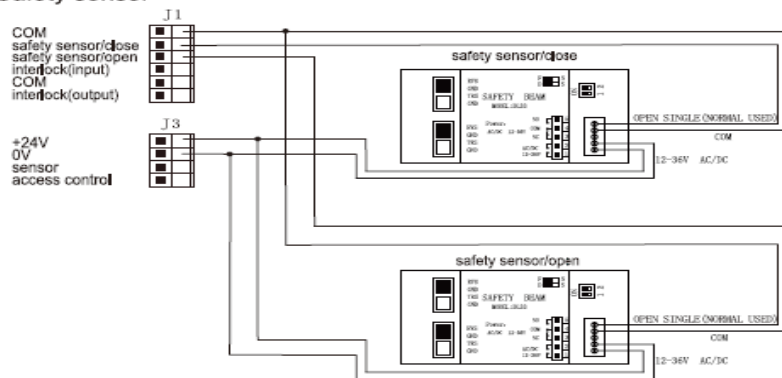
8 Connect the operation system and the push arm



## Electrical Connection:



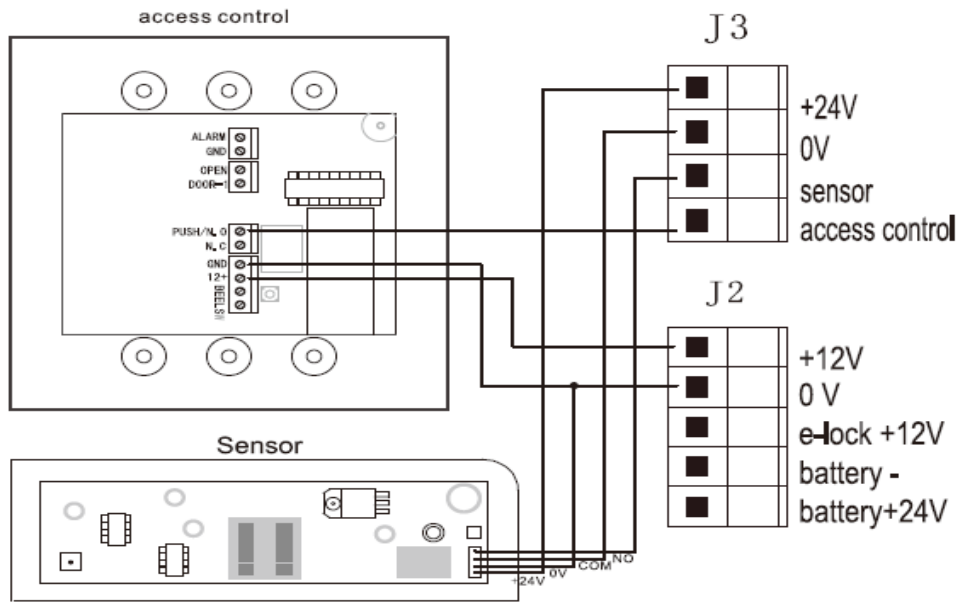
## Safety sensor



For safety, please connect the connection in J3 with 24V or J2 with 12V. When the door is closing, the safety beam/close work, the door will open again. When the door open the safety beam/open work the door will stop. Remake: The output power of 12V should be less than 10W.

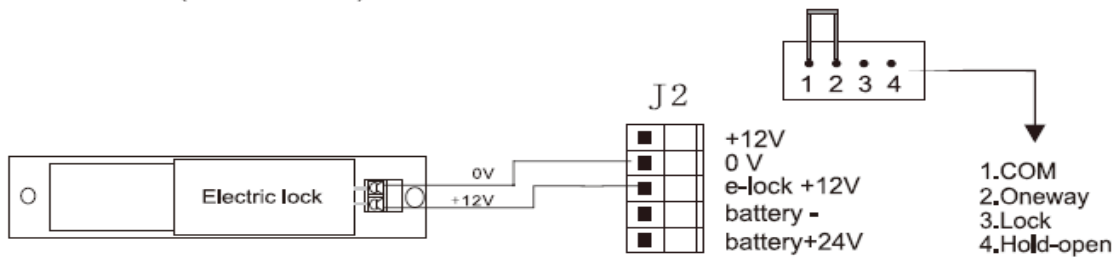


### Sensor & access control



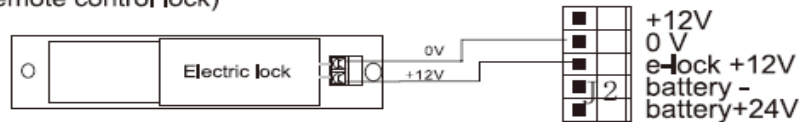
Remake: The output power of 12V should less than 10W.

### Electric lock (Automatic lock)



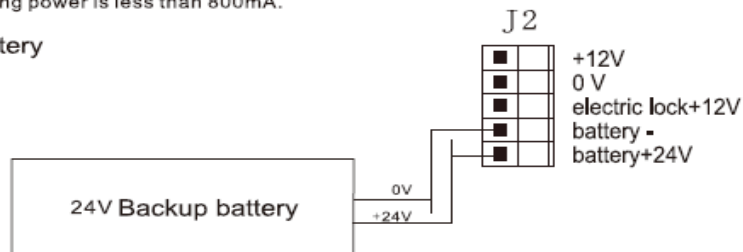
Note: The power supply voltage is 12V, the working current of the electric lock is less than 200MA, and the starting power is less than 800mA.

### 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.

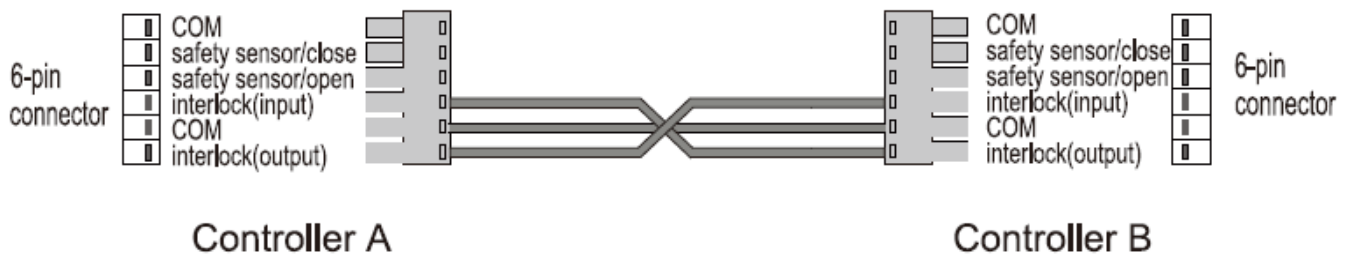
Port voltage "battery+" is 27V

## 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.

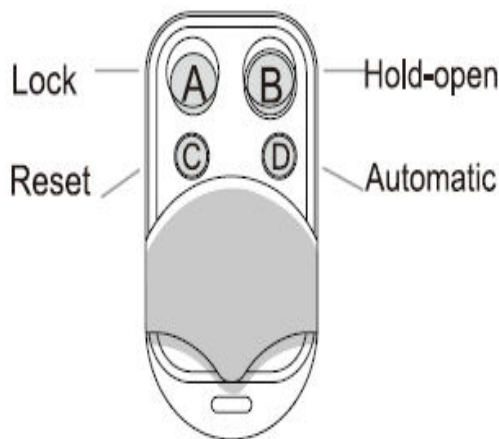
## Interlock



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.

## Remote Control Adjustment

Optional: remote control

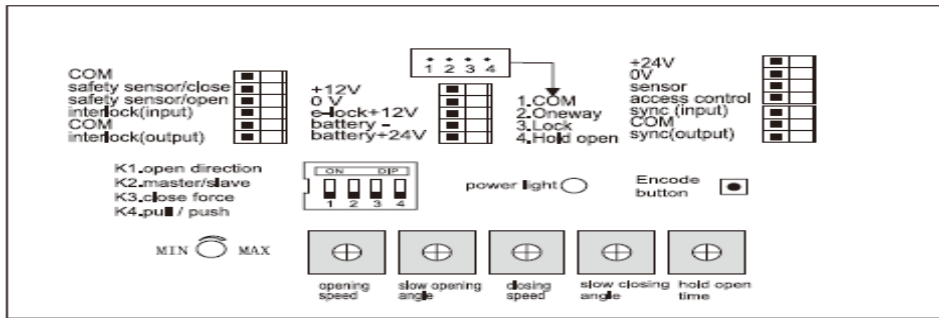


Encode remote control with the door controller:

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. Note: when use the remote control, if the buzzer udeep" twice, it means encoding failed, so please repeat above step 2.
4. Press button "automatic" one time, the door wil open and dose one time. One controller can be connected with remote control not more than 10pcs .



## Parameters adjustment



**1. Set the DIP switch(K1-K4): after setting, power off and restart.**

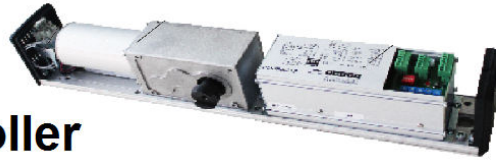
- K1:** Set opening direction: power on, the door goes to closing direction, if not, change the switch position.
- K2:** Set master/slave door: when double-door synchronous, master door turn K2 down (OFF), slave door turn K2 up (ON).
- K3:** Set closing force: no closing force, turn K3 down (OFF), want 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).

**2. User adjustment:**

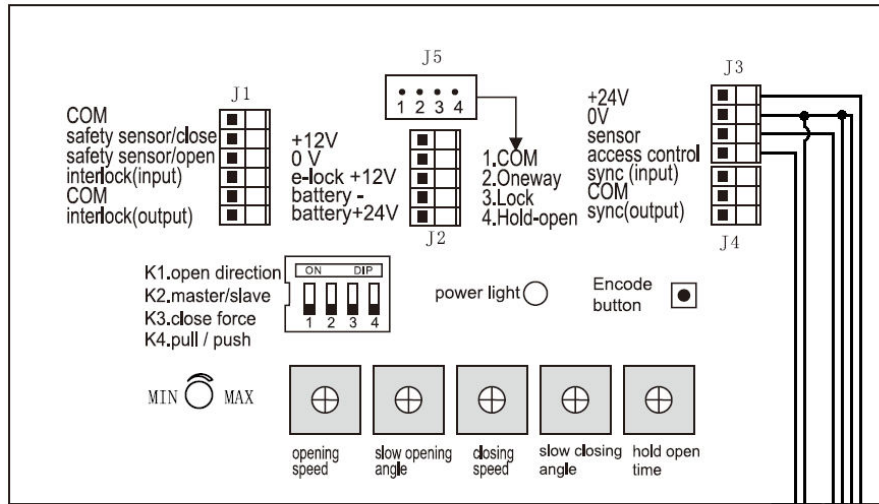
- |                       |                                |
|-----------------------|--------------------------------|
| 1. Opening speed      | turn clockwise, speed increase |
| 2. Slow opening angle | turn clockwise, angle bigger   |
| 3. Closing speed      | turn clockwise, speed increase |
| 4.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

Turn anticlockwise, it is decrease.

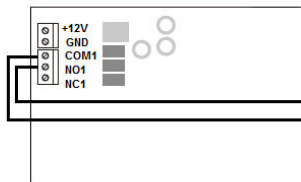
EL2000 Door Controller / Sensor Wiring Diagram For Autodoor Controller



Autodoor Controller



EL-2000 Door Access Controller



Sensor

