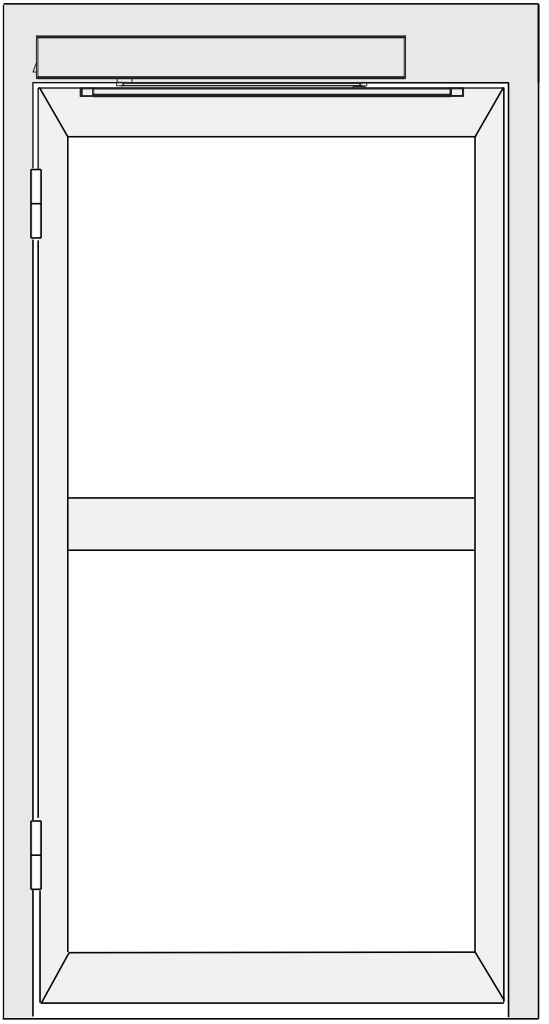
Manual

DSTW-60



Technical Parameters

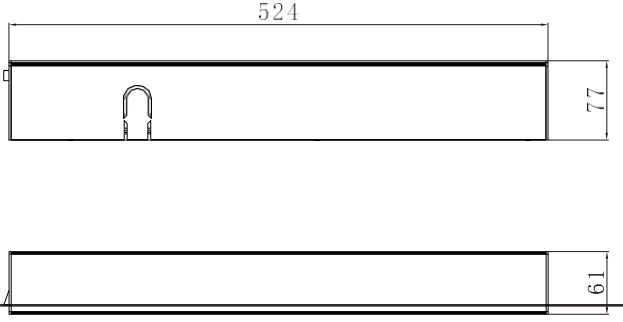
1. Technical parameters

Voltage: 220V/AC ±10%, 50/60Hz
Consumption: max.75W, standby 3W
Drive unit: 24V DC motor Opening angle: 80° -100°
Opening time (speed): 3-7s adjustable
Closing time (speed): 3-7s adjustable
Time to keep open: 0.5-30s adjustable
Temperature: -20°C-45°C
Humidity: ≤ 85%

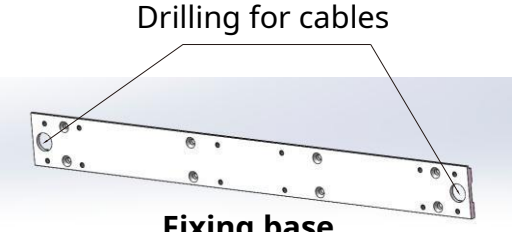
2. Adaptable for

doors: weight and height

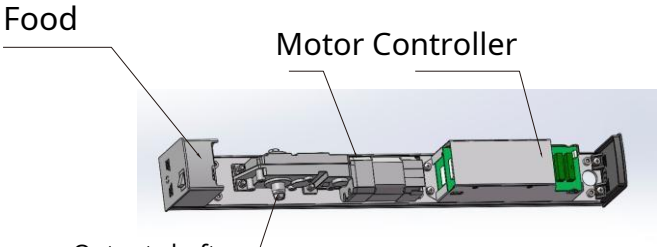
3. Dimensions



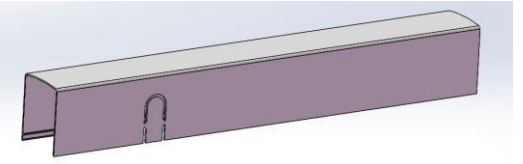
Component description



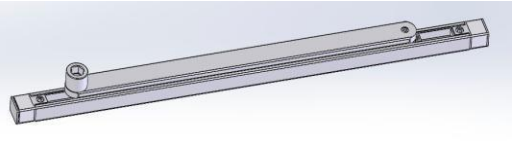
Fixing base



Engine



Coverage



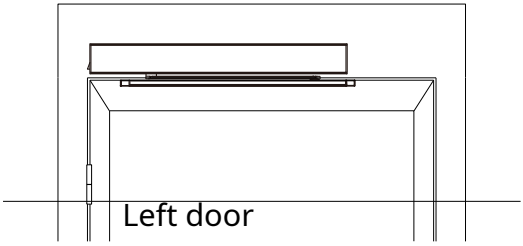
Pull arm – interior opening

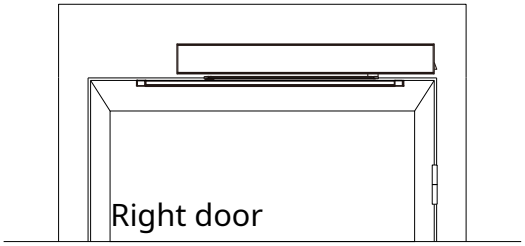
Push arm - outward opening

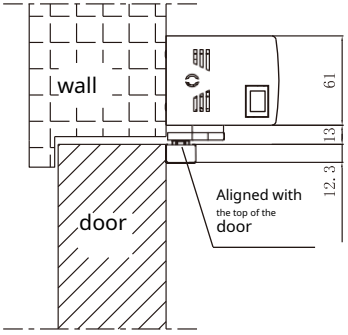
Mechanical Installation (pull arm)

3.1. Installation example

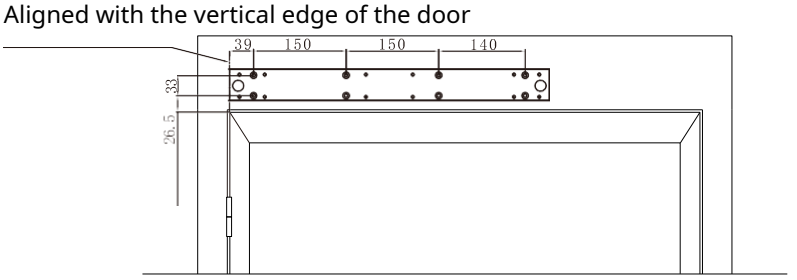
Suitable for inward-opening door leaf (drive unit is fixed inside the room)



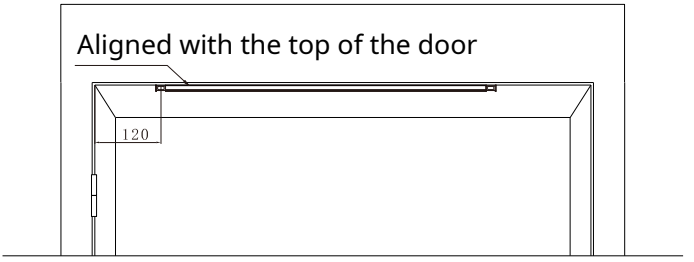


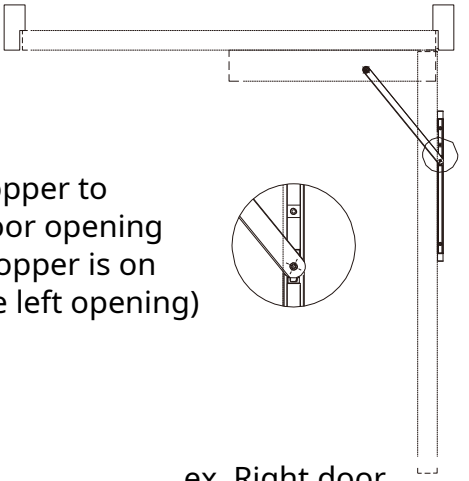


3.2. Installation of the fixing plate



3.3. Installing the pull arm



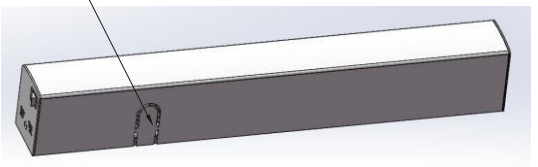


Move the stopper to adjust the door opening angle (the stopper is on the left in the left opening)

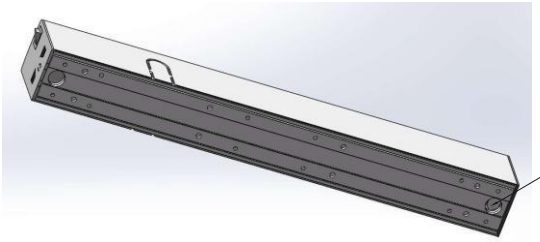
ex. Right door

3.4. Engine installation

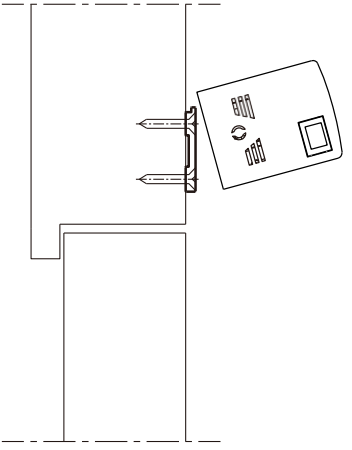
Determine the direction of the drive unit's output shaft based on the door opening direction. Use needle-nose pliers and other tools to open the baffle on one side of the cover; then use a long-handled tool such as a wrench.



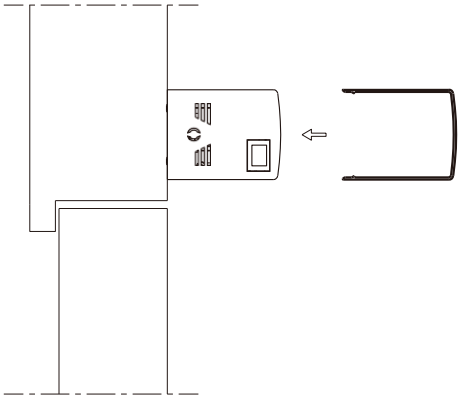
slot, to open the lid from here.



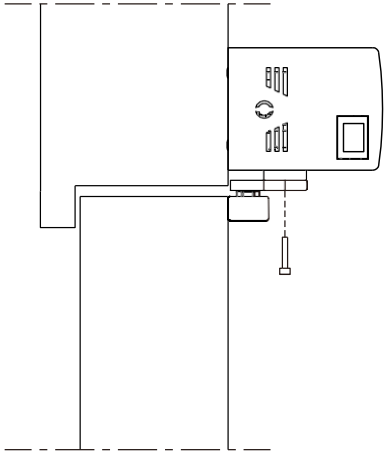
Use a long-handled tool, such as a screwdriver, to open the cover from here.
(only here!)



3.5. Roof installation

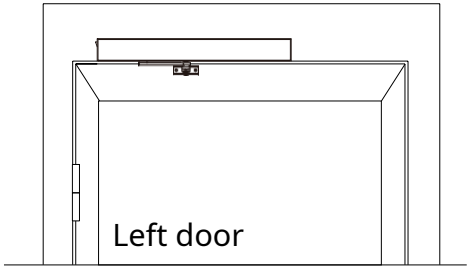


3.6. Motor and arm connection

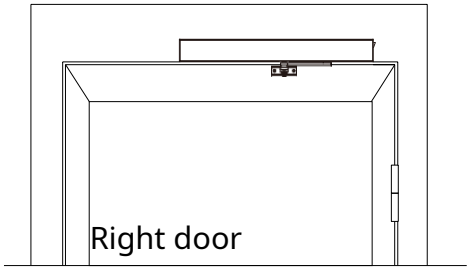


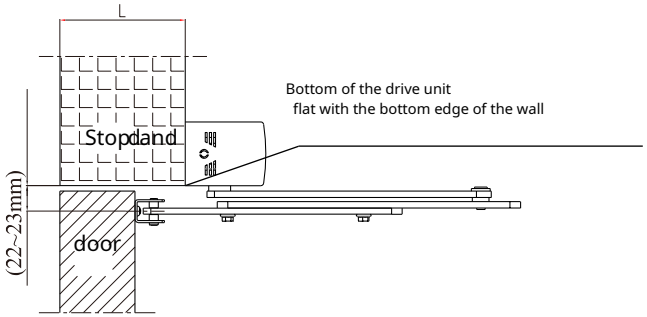
Mechanical Installation (Push Arm)

4.1. Installation example



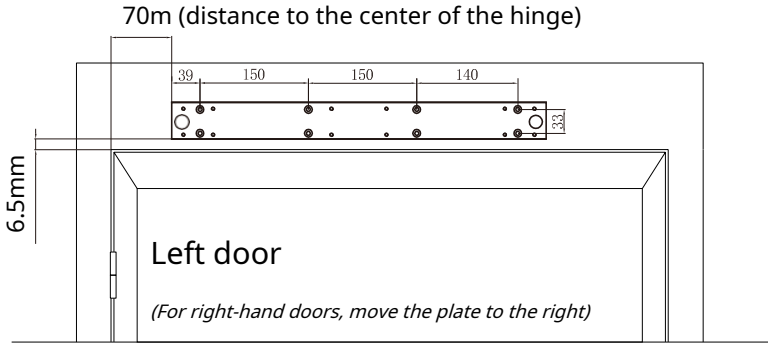
4.2. Suitable for outward-opening door leaf (drive unit is fixed inside the room)



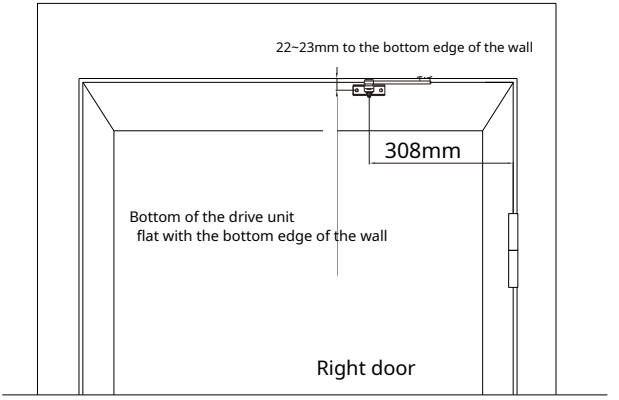


Wall thickness L = 0~210mm

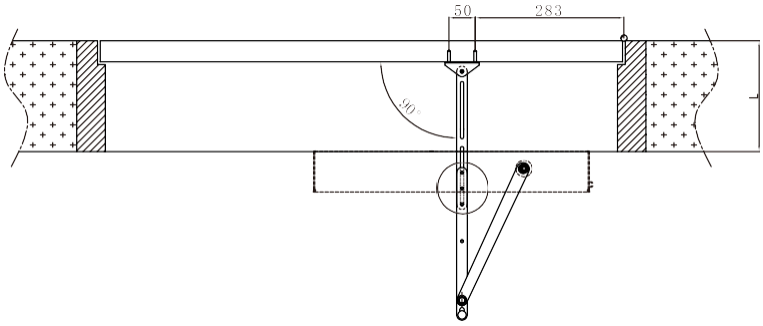
4.3. Installation of the fixing plate



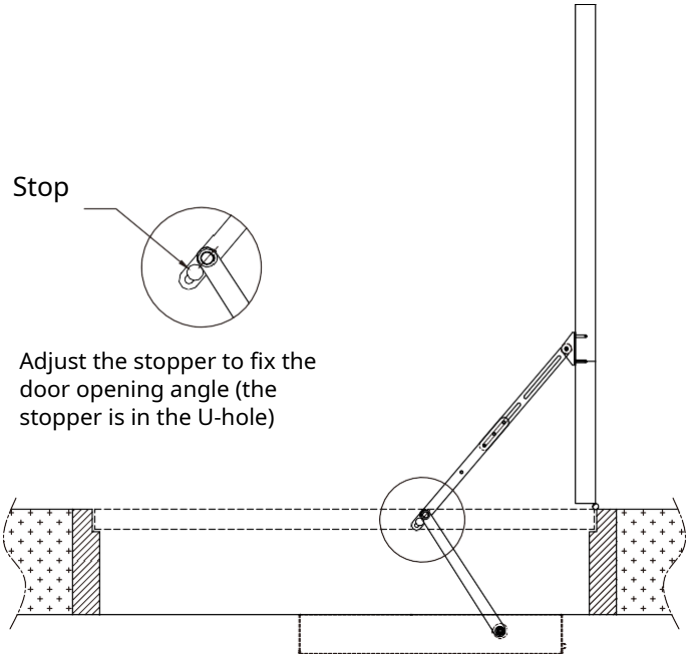
4.4. Arm installation



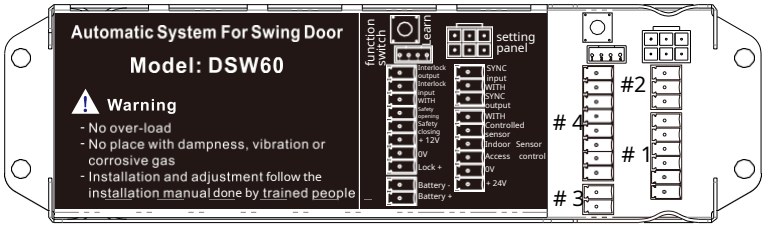
The push arm fixing seat is fixed to the door leaf with two round-head wood screws according to the size shown in the diagram. (If it is a steel door, fix the fixing seat with M6x15 cross screws).



Loosen the four clamping screws to adjust the length of the push arm according to the depth “L” of the door frame, make the angle between the push arm and the door leaf is 90° as shown in the diagram below.



Electrical Connection



1

WITH
Controlled sensor
Indoor sensor
Access control
0V
+ 24V

The "+24V" and "0V" ports output DC 24V voltage, and the total output power is not more than 25W;
When a signal is input between the "Sensor controlled" and the "COM", the door opens;
When a signal is input between "Internal Sensor" and "COM", the door opens;
When a signal is input between “Access Control” and “COM”, the door opens;
Note: When the function switch is set to “Exit” mode, the “Sensor Controlled” signal is shielded; when the function switch or remote control is set to “Lock” mode, both the “Sensor Controlled” and “Internal Sensor” signals are shielded.

#2

SYNC input
WITH
SYNC output

When the dual port synchronization function needs to be used, after the two ports have been debugged, set the master port “n1:02,n2:Z”, the slave port “n1:02,n2:C”, and connect the synchronization port:

Master port "SYNC in" with slave port "SYNC out", master port "COM" with slave port "COM", master port "SYNC out" with slave port "SYNC in".

3

Battery -
Battery +

The backup battery is an emergency power supply, and a 24V DC power supply with a charging current of less than 800 mA is selected as the backup battery.

4

Interlock output
Interlock input
WITH
Safety opening
Safety closing
+ 12V
0V
Lock+12V

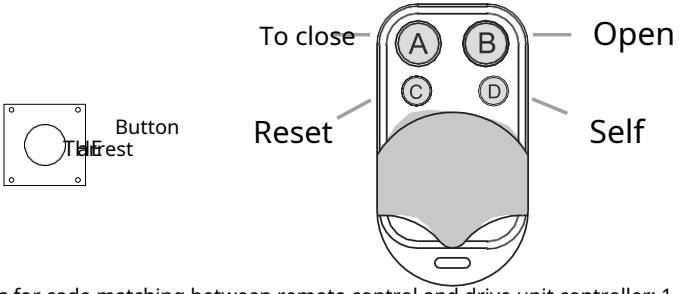
When you need to use the double door interlock function (that is, the other door can only open after one door is fully closed), you need to connect the interlock doors: the "interlock output" of one door with the "interlock input" of the other door, "COM" is connected together.

Safety opening: During the door opening process, a closed signal is input between “Safety opening” and “COM”, the door stops, when this signal is disconnected, the door continues opening; Safety closing: During the door closing process, a closed signal is input between “Safety closing” and “COM”, the door will reopen;

The "+12V" and "0V" ports output DC 12V voltage, and the total output power is less than 10W together with the electric lock door. "Lock +" and "0V" output voltage DC12V, when the remote control or function switch is set to “Lock”, or the “L” parameter is set to “Auto lock” (Lock every time the door is closed), output or cut-off voltage DC12V (according to the electric lock type C parameter, when it is set to cathodic lock “E”, DC12V will be removed when the door leaf is closed; when it is set to anodic lock “P”,

DC12V is supplied when the door leaf is closed.

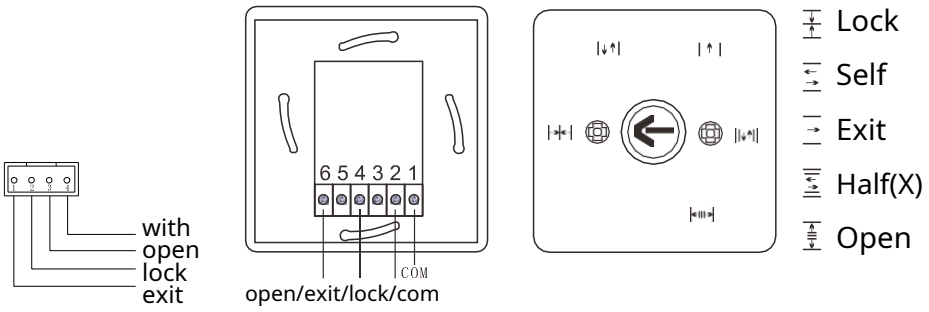
IR Command



Instructions for code matching between remote control and drive unit controller: 1. Delete: Long press the "Code" button until the buzzer sound stops, release the button.
2. Code Match: Press the "Code" button and the doorbell will beep. At this point, press any button on the remote control and the doorbell will stop beeping, indicating that the code match was successful.

When using the remote control, the buzzer will sound for 2 seconds.
3. Remote control button function:
A: Lock: the “sensor” signals are shielded and the door will be locked when fully closed; B: Open: the door is held open;
C: Reset: back to normal state;
D: Auto: Press, the door will open and close once

Function switch



Relationship between Signals:

Note: "Function Switch" and "Remote Control" are used for door state setting, generally choose one of them.

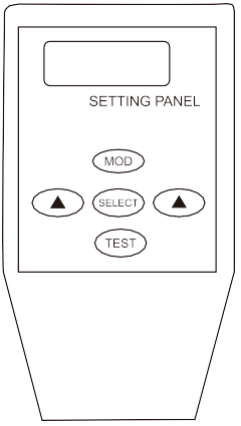
In case of using the "Function switch":

Signal / F-switch	Sensor of the controller	Sensor internal	Access	door closed
 Exit	×	√	√	√
 Lock	×	×	√	√
 Open	×	×	×	×
 Self	√	√	√	×

In case of using "Remote control":

Signal / R-control	Sensor of the controller	Sensor internal	Access	door closed
Open	×	×	×	×
Lock	×	×	√	√
Reset	√	√	√	×

Parameter Adjustment



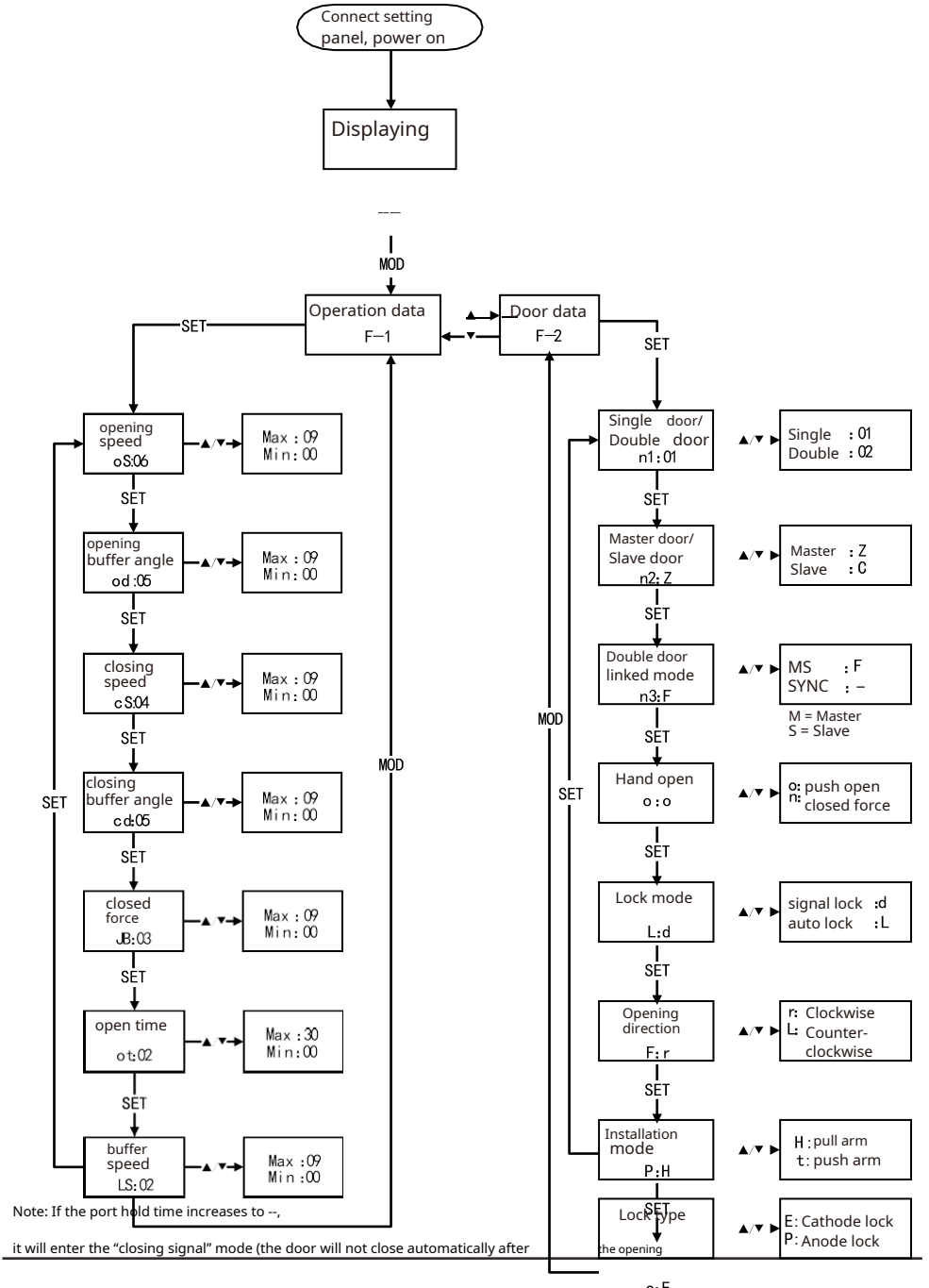
Connect the configuration panel to the door controller and adjust the parameters:

MOD: Press the “MOD” key to enter the menu

▲/▼: Change Menu, Up/Down button

SELECT: Confirm

TEST: test the working status of the port after completion of the parameter configuration.


Connect setting panel, power on
Displaying
--
MOD
Operation data F-1
Door data F-2
SET
opening speed oS:06
Max : 09 Min: 00
opening buffer angle od :05
closing speed cS:04
closing buffer angle cd:05
closed force JB:03
open time ot:02
Max : 30 Min:00
buffer speed LS:02
Single door/ Double door n1:01
Single : 01 Double : 02
Master door/ Slave door n2:Z
Master : Z Slave : C
Double door linked mode n3:F
MS : F SYNC : -
M = Master S = Slave
Hand open o:o
o: push open n: closed force
Lock mode L:d
signal lock :d auto lock :L
Opening direction F:r
r: Clockwise L: Counter-clockwise
Installation mode P:H
H : pull arm t : push arm
Lock type
E: Cathode lock P: Anode lock
c:E
Note: If the port hold time increases to --,
it will enter the "closing signal" mode (the door will not close automatically after
the opening