

Quick Installation and Setting

Multi-Drive PRIME



10711097



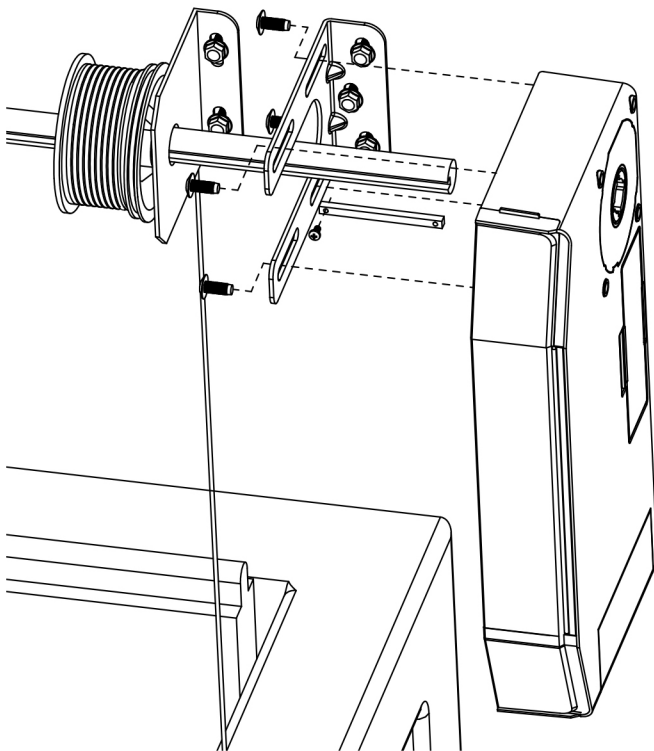
WARNING

Please read the manual carefully before installation and use.

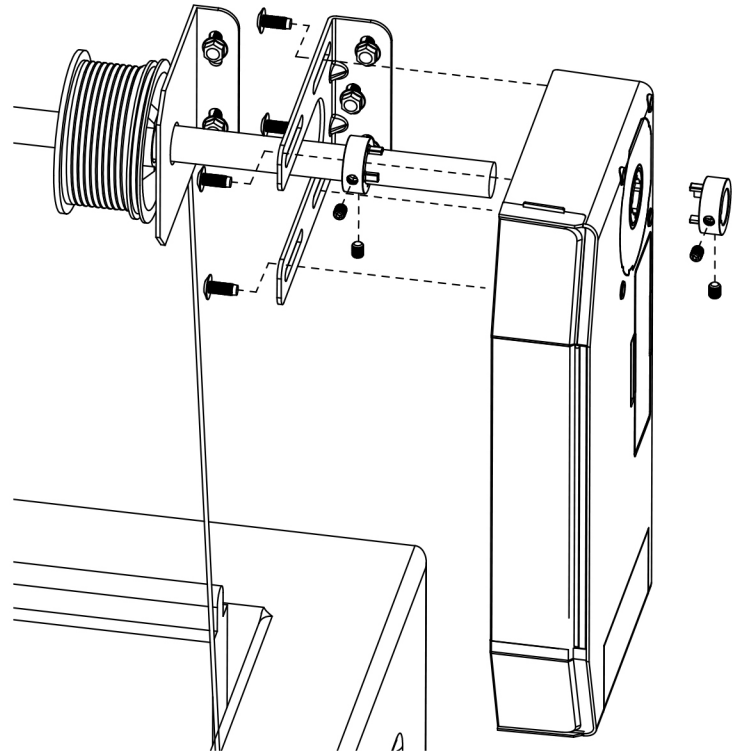
The installation of your new door opener must be carried out by a technically qualified or licensed person.

Attempting to install or repair the door opener without suitable technical qualification may result in severe personal injury, death and / or property damage.

A Mechanical installation



Jack shaft with keyway installation



Jack shaft keyless installation

B Emergency release



CAUTION!

Disconnect the gate from the mains before using the emergency release. The emergency release must be used only with the motor stopped and only by service technicians or trained persons. The emergency release must be operated from a safe position only.



DANGER OF FALLING!

In case of an emergency release, the door could independently open or close itself due to a broken spring or incorrect setting of the weight balancing. The operator could be damaged or destroyed.



IMPORTANT INFORMATION!

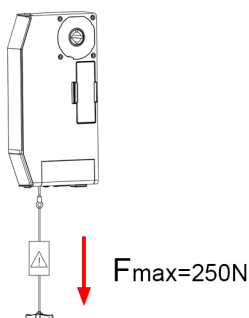
A switchover between manual and motorised operation can take place in any position of the door.



IMPORTANT INFORMATION!

The gate must not be moved past the end positions, otherwise safety switch will be approached. The gate system can be electrically operated again when the safety switch has been "released" by emergency actuation.

B1 Opening and closing door with emergency chain




1. Pull the emergency cord handler once (pull force max. 250 N).
⇒The gearing moves freely and the door can be moved manually.
2. Open or close the door manually.
3. Pull the emergency cord handler once (pull force max. 250 N).
⇒The opener is ready for motorised operation again.


C Control box function button introduction

C1 Basic button instructions

Short press: Door opening button / move up to adjust the function menu / travel setting "door opening" button

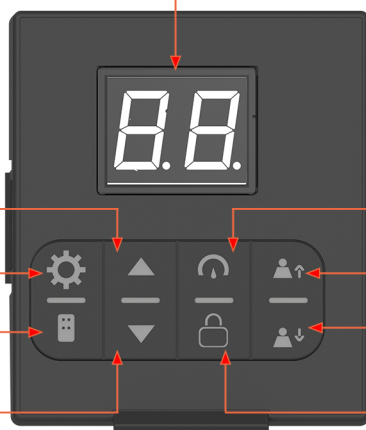
Short press: Menu confirmation button
Long press: Enter the menu



Short press: Enter transmitter coding mode, display  menu, return to the standby screen

Long press for 8 seconds: Clear all remote control codes and display 

Short press: Door closing button / move down to adjust the function menu / travel setting "Door closing" button

Digital display



Short press: Display the current door opening speed parameters, default parameters:  (Default)
Long press for 8 seconds: Adjust the door opening speed, parameter range: 

Adjust the door opening force margin button
View D4 for details

Adjust the door closing force margin button
View D5 for details

Display lock button
View D3 for details

D Programming instructions

D1 Travel limit setting

1. Enter motor travel setting

2. Check motor output direction and door direction

Note: If the motor running direction does not match the door running direction, please exit the learning process first and adjust the motor running direction in the 0.1 menu.

3. Start the travel limit set, open the door and move to the open limit position

To the upper limit

4. Save upper limit position

5. Close the door and move to the lower limit

To the Ground

6. After confirming the close limit position, the motor enters into self-learning. When the motor self-learning is complete, the travel limit set is complete.

D2 Auto close setting

① The time setting range of this parameter is: 1 second - 990 seconds.

① Press the + button to set the parameter per second to flash slowly 1-99, and when the + button exceeds 99, the parameter resets to flash 1-99 quickly, and each parameter is 1*10 seconds at this time.

D3 Display lock



Long press for 3 seconds: Lock / unlock the display control buttons.

Button trigger display: **LC**

Unlock status display: **UL**

NOTE: In locked state, long press  can still enter the menu settings.

D4 Adjust the door opening force level



Short press: Display the current door opening force level parameters, default parameters: **05** (Default)



Long press: Adjust the door opening force level, level range: **01** ~ **09**

D5 Adjust the door closing force level

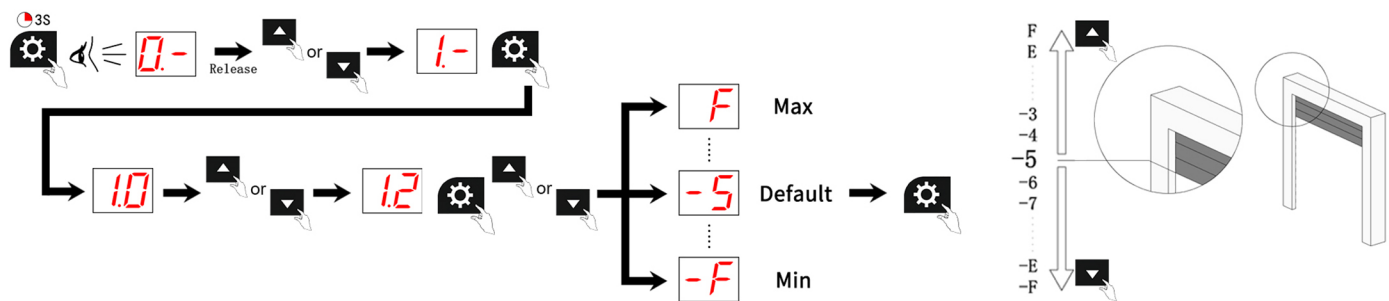


Short press: Display the current door closing force level parameters, default parameters: **03** (Default)

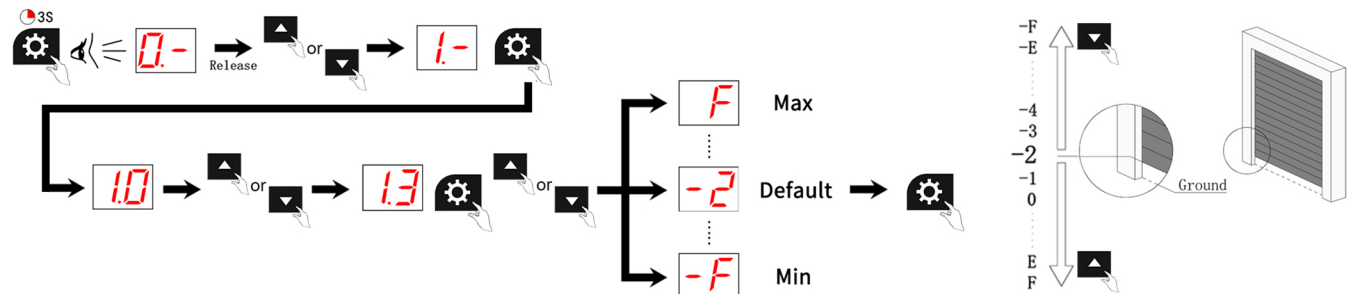


Long press: Adjust the door closing force level, level range: **01** ~ **09**

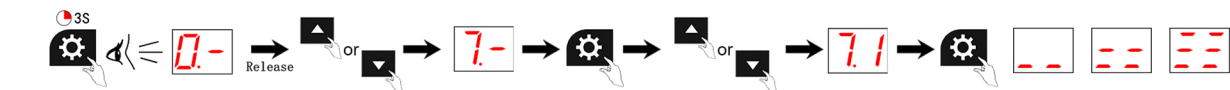
D6 Fine adjustment of the open limit position



D7 Fine adjustment of the close limit position



D8 Restore factory function setting



- ① All settings are set to factory settings! Except the cumulative running times of the motor and the number of maintenance alarms.
- ① After restoring the factory settings, power off the motor for 1 minute and then power on again.

E Commonly functions



We strongly recommend that the control system needs to be debugged only for certain technical reasons, and that only professionals can debug this function. Otherwise, if operated by non-professionals, the product will not be covered by the warranty.

Function debugging

Press and hold about 3 seconds to enter main menu until **0-** appears on the display then release the button. Press the button or button until the desired function is reached then release the button. Press the button again, enter the function setting mode.

Display	Function and description	Video	Display	Function and description	Video
0.1	Motor rotation direction setting "0~1" (Set on "0" as standard in factory.)		2.3	Soft start range adjustment "1~8" (Set on "3" as standard in factory.)	
0.2	Remote control function selection "0~4" (Set on "0" as standard in factory.)		2.4	Closing soft stop speed adjustment "30~80" (Set on "35" as standard in factory.)	
1.0	Open/Close button model setting "1~4" (Set on "4" as standard in factory.)		2.5	Opening soft stop speed adjustment "50~80" (Set on "55" as standard in factory.)	
1.1	Safety edge pre-limit fine-tuning "1~F" (Set on "2" as standard in factory.)		3.0	Soft stop time setting "0.1~2.0" (Set on "0.7" as standard in factory.)	
1.2	Motor upper limit fine-tuning "-F~F" (Set on "-5" as standard in factory.)		3.1	Soft start time setting "0.1~2.0" (Set on "0.7" as standard in factory.)	
1.3	Motor lower limit fine-tuning "F~F" (Set on "-2" as standard in factory.)		3.2	Motor lower limit overflow time setting "0~50" (Set on "20" as standard in factory.)	
2.0	Door closing speed adjustment "40~A0" (Set on "70" as standard in factory.)		3.3	Obstruction reversal sensitive adjustment "0~99" (Set on "0" as standard in factory.)	
2.1	Door opening speed adjustment "60~A0" (Set on "A0" as standard in factory.)		3.4	Photo beam obstruction reversal sensitive adjustment "0~99" (Set on "50" as standard in factory.)	
2.2	Soft stop range adjustment "1~8" (Set on "4" as standard in factory.)		3.5	Reversal running time adjustment "0~9" (Set on "0" as standard in factory.)	

Display	Function and description	Video	Display	Function and description	Video
4.0	Automatic closing function "0~99" (Set on "0" as standard in factory.)		7.3	Software version inquiry	
4.1	Automatic closing condition function setting "1~2" (Set on "1" as standard in factory.)		7.4	Motor running cycles inquiry	
4.2	Relevance setting of automatic closing and photo beam function "0~30" (Set on "0" as standard in factory.)		7.5	Inquiry of the latest 4 fault codes of the motor	
5.0	PE port function setting "1~2" (Set on "1" as standard in factory.)		8.0	Maintenance alarm times setting "0~E" (Set on "0" as standard in factory.)	
6.0	Partial open function setting "0~8" (Set on "0" as standard in factory.)		8.1	Maintenance alarm times inquiry	
6.1	PB port function setting "1~5" (Set on "1" as standard in factory.)		9.1	Transmitter invalid function setting "0~1" (Set on "0" as standard in factory.)	
6.2	Flash light port function setting "0~6" (Set on "0" as standard in factory.)		9.2	Display button lock function "0~1" (Set on "0" as standard in factory.)	
6.3	Electronic lock function setting "0~1" (Set on "0" as standard in factory.)		9.3	Pre-warning time setting before door closing "0~9" (Set on "0" as standard in factory.)	
7.0	Courtesy light delay off function setting "1~9" (Set on "3" as standard in factory.)		9.4	Pre-warning time setting before auto - closing "0~12" (Set on "0" as standard in factory.)	
7.1	Restore factory setting		9.5	Warning light flashing frequency setting "1~5" (Set on "3" as standard in factory.)	
7.2	Customer version inquiry		9.6	Flash light delay off setting after door closed "0~7" (Set on "0" as standard in factory.)	

F Wiring

Wired E-lock

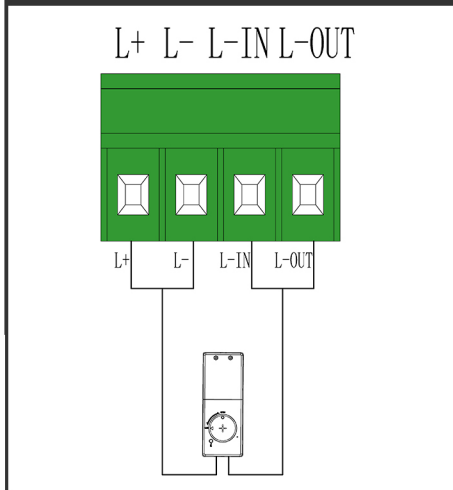
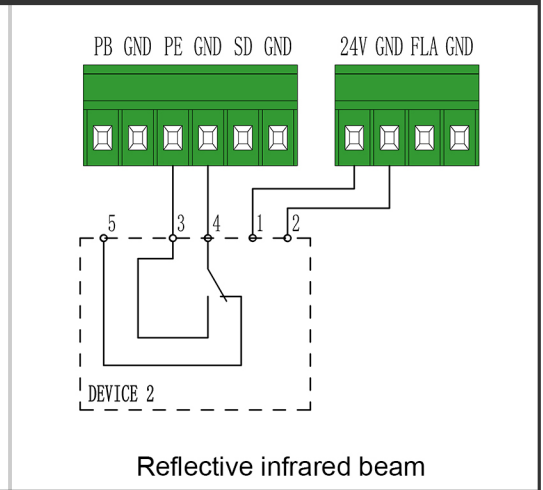
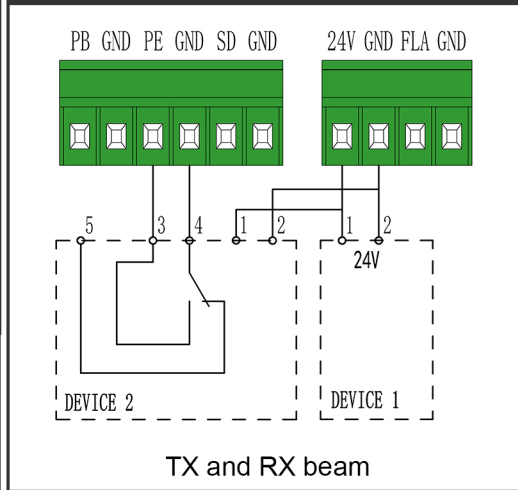


























Photo cell



G Common fault & solutions

Fault display	Fault Description	Fault Correction	Video
	Encoder can't get data during door running. Motor can't open or close the door.	<ol style="list-style-type: none"> 1. Stuck point in the door, check door and track. 2. Door running speed is too slow, adjust speed from Menu 2.0 and 2.1. 3. Travel limit gear structure problem, change a new motor. 	
	Encoder failure.	Replace the encoder.	
	Communication failure between travel limit module and encoder.	<ol style="list-style-type: none"> 1 Eliminate the interference source and re-execute the control operation. 2. Replace a new connection cable. 3. Replace a new encoder. 	
	Travel limit module not detected	<ol style="list-style-type: none"> 1. Replace the encoder accessories. 2. Replace the encoder chip. 3. If the travel limit system fails, replace the control module. 	
	Motor overload.	<ol style="list-style-type: none"> 1. Check door running is proper and smooth enough. 2. Replace a new motor. 	
	<ol style="list-style-type: none"> 1. During setting the door open/close limit, it appears when pressing SET. 2. Motor operation exceeds the limit turns. 3. It appears when the built-in infrared coordinate setting condition is not at the door open limit, or appears when both are built-in infrared. 4. When the automatic closing is executed, the door can not be closed due to related faults or DW setting in Deadman mode. 	According to the operating instructions, adjust the settings when meeting the relevant conditions.	
	<ol style="list-style-type: none"> 1. Wired E-Lock is triggered or faults. 2. "6.3" function is switched on, but no wired E-Lock is connected. 	<ol style="list-style-type: none"> 1. Check the wired E-Lock wiring. 2. Check whether the wired E-Lock is abnormal or damaged, the wired E-Lock bolt can not retract properly. 	
	Door travel limit set failure, travel is too short or exceed encoder turns.	Reset door open/close position limit.	
	Wicket door port triggers the emergency stop.	Check wicket door device.	
	Motor wiring sequence mistake.	Adjust the correct wiring sequence.	
	The program and the circuit board do not match.	Check whether the PRO version and STD version display control module, WiFi module, terminal wiring module are consistent.	
 	The connection between the driver module and the display control module is abnormal.	<ol style="list-style-type: none"> 1. Check whether the display control module connection cable is damaged. 2. Check whether the wiring of the drive module and display control module is loose. 3. Check whether the driver module is connected normally. 4. Replace the driver module or display control module. 	