

BASE 35

Industrial Door Drive

Control System

Instructions And User Guide

Version 1.6

CONTENTS

1. GENERAL SAFETY INFORMATION	1
2. TECHNICAL DATA	2
3. OVERVIEW OF CONTROL	3
4. BASIC BUTTON INSTRUCTION	4
5. COMMON FUNCTION QUICK SETTING INSTRUCTION	5
6. QUICK SETTING TO GUIDE THE DRIVE WORKS BY "AAS"	6-7
7. FUNCTION TABLE MENU ITEMS	8
8. FUNCTION MENU DESCRIPTION	9-27
9. FAULTS	28-29
10. TX/RX FUNCTION MODULE DESCRIPTION	30-31
11. FUNCTION WIRING DIAGRAM	31-36
12. DECLARATION OF INCORPORATION	37
13. DECLARATION OF CONFORMITY	37

GENERAL SAFETY INFORMATION

Specified use

The industrial door drives intended for a power-operated door with a drive unit. The safe operation is only guaranteed with specified normal use. The drive unit is to be protected from rain, moisture and aggressive ambient conditions. No liability for damage caused by other applications or non-observance of the information in the manual.

Modifications are only permitted with the agreement of the manufacturer. Otherwise the Manufacturer's Declaration shall be rendered null and void.

Safety information

Installation and commissioning are to be performed by skilled personnel only. Only trained electrical craftsmen are permitted to work on electrical equipment. They must assess the tasks assigned to them, recognize potential danger zones and be able to take appropriate safety measures.

Installation work is only to be carried out with the supply off.

Observe the applicable regulations and standards.

WARNING: Important safety instructions.

- It is vital for the safety of people to follow all instructions. Keep this manual.
- Do not let children play with the appliance or control devices including remote controls.
- Follow all instructions, as incorrect installation can lead to serious injuries.
- The actuating element of the dependent switch must be positioned so that it can be seen directly on the driven part, but out of reach of the moving parts. If it is not actuated by a key, it must be placed at a minimum height of 1.5 m and not accessible to the public;

after installation, make sure that the mechanism is set correctly and that the protection system and any manual controls work properly.

Coverings and protective devices

Only operate with corresponding coverings and protective devices. Ensure that gaskets are fitted correctly and that cable glands are correctly tightened.

Weighted sound pressure emission level A of the motor

LpA less than or equal to 70 dB (A).

WARNING Z101 . - The effect of noise emitted by the structure, including the driven part to which the drive will be connected, is not considered.

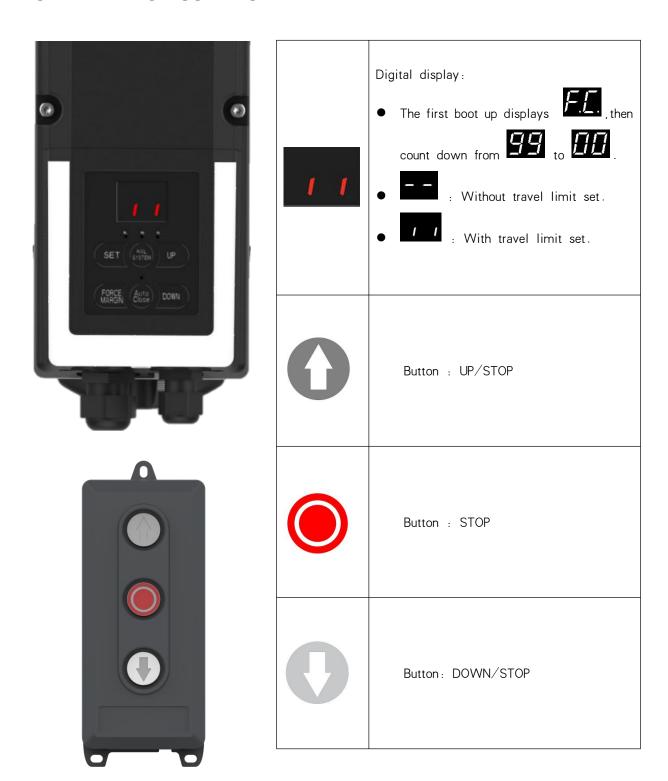
Spare parts

Only use original spare parts.

TECHNICAL DATA

Model	BASE 35
Max. output torque (Nm)	35
Rated output torque (Nm)	25
Output speed (rpm)	24-32
Output shaft/hollow shaft (mm)	ф 25.4
Static holding torque (Nm)	400
Door area (m²)	≤18
Input voltage (V)	110-127/220-240
Motor power (W)	350
Control system	24V DC
Thermal protection temperature (° C)	105
Max. cycles per hour (Cycle)	20
Class of protection	IP 54
Limit switch range (maximum revolutions of output shaft / hollow shaft)	15
Temperature range (° C)	-20~+40 (+60)

OVERVIEW OF CONTROL



BASIC BUTTON INSTRUCTION

Item	Button	Description
1.	SET	Short press: Confirm setting; Long press: Enter the function menu setting
2.	UP	Short press: Adjust the function menu Long press: Restore factory setting
3.	DOWN	Short press: Adjust the function menu Long press: Running cycle counter inquiry
4.	RAIL	Short press: Return Long Press: Enter into rail system selection (Refer to the quick operation guide for details — Page 6)
5.	Auto	Short press: Quick activate "AUTO CLOSE" function
6.	FORCE MARGIN	Short press: Quick activate "FORCE MARGIN" function

COMMON FUNCTION QUICK SETTING INSTRUCTION

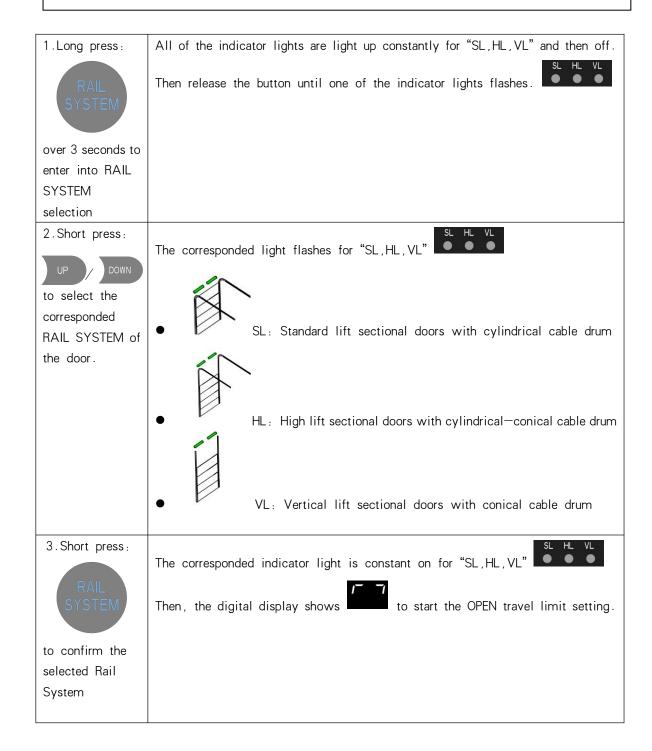
Function	Operation	Description
AUTO CLOSE	Short press: Auto Close	Important: The "AUTO CLOSE" only can be activated when the Photo beam or light curtain has been correctly installed and the photo beam function has been enabled from function menu (Refer to page 18 — Menu 5). • Short press the "AUTO CLOSE" button, when the indicator light is turned on. It means the "AUTO CLOSE" function has been activated. (Default: The door only can auto close while in the open limit position. And the Auto Close time is 15 seconds). Note: Refer to page 16 — Menu 4 to change any setting for AUTO CLOSE conditions or time if necessary.
		 installed, the door can not be closed, and the LED display will show the letter "E6" as an indication. ● Short press the "AUTO CLOSE" button, when the indicator light is turned off. It means the "AUTO CLOSE" function has been dis—activated.
Force Adjustment	Short press: FORCE MARGIN	 Short press the button, the digital display will indicate the current force level firstly Continually short press the button: Incremental rolling display the force level between L1: Minimum force level; L9: Maximum force level Note: L3 to L7 is recommended.
Running Cycle Counter Inquiry	Long press the button for 6 seconds:	 The digital will rolling display it represents the drive has been 10 running cycles worked. Note: The running cycles is displayed in 6 digits
Restore Factory Setting	Long press the button for 10 seconds:	The digital will rolling display FFFF, then release the button, it means the drive has been restored to factory setting. Note: The running cycle counter record will not been cleared.

QUICK SETTING TO GUIDE THE DRIVE WORKS

BY "AAS" (Auto adaptive system)

Important:

- "AAS" will automatic identify the door condition to define a best program for its "Open/ Close speed", "Soft start/ soft stop ranges" and "Force sensitivity".
- A quick setting guide the drive will work properly after below operation.



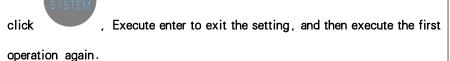
Long press the button UP/DOWN to set the door to the target OPEN limit position, 4. Long press: then release the buttons. Short Press the SET button once to store the open limit position, the digital displays to start the CLOSE travel limit setting. Long press the button UP/DOWN to set the door to the target CLOSE limit position 5. Long press: then release the buttons.

Short press the SET button once to store the CLOSE limit position, then the door

drive will automatically open and close the door to store the door weight and spring balance conditions.

Note:

a. If a system selection error occurs during the setting process, please



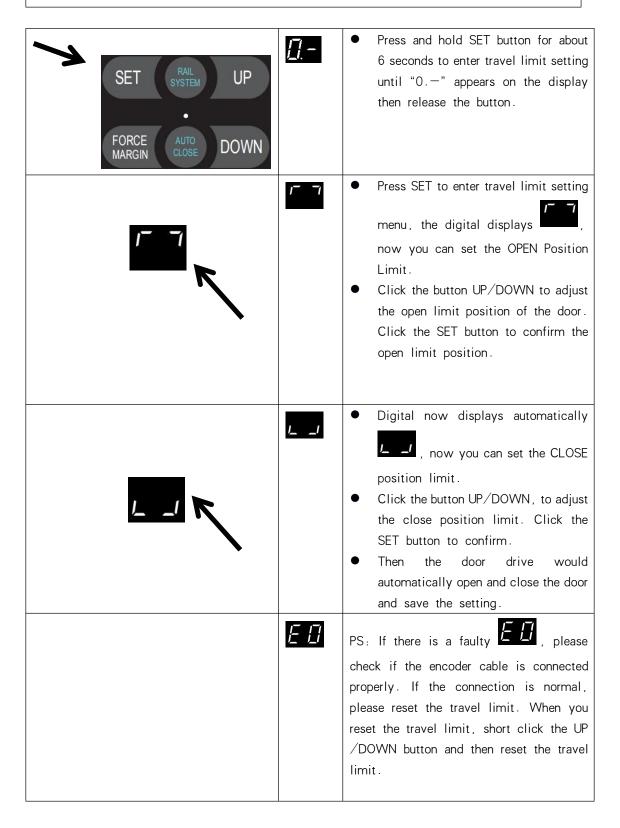
b. Active or change any stand alone function, refer to the below "FUNCTION TABLE MENU".

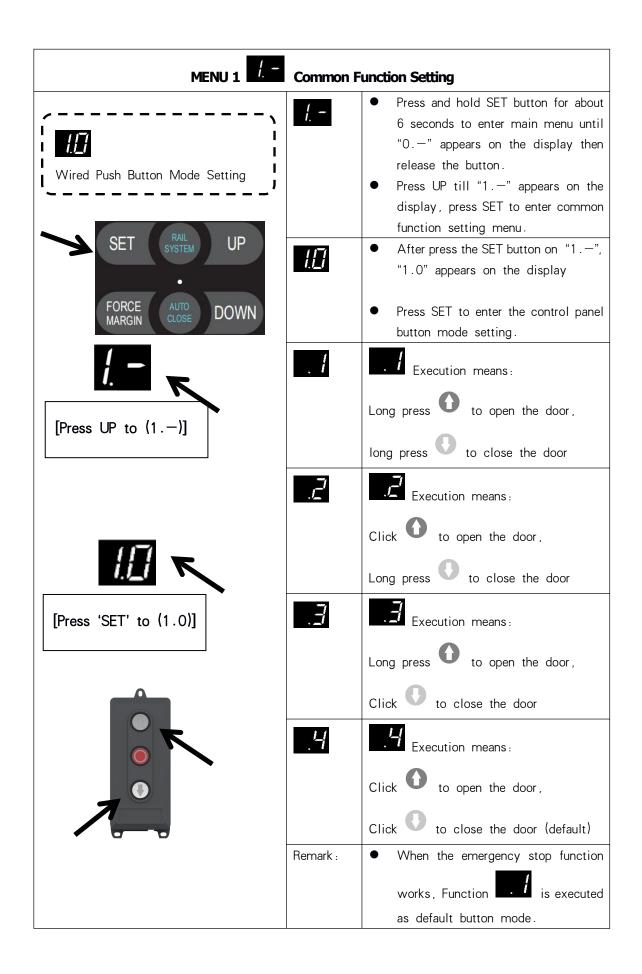
FUNCTION TABLE MENU ITEMS

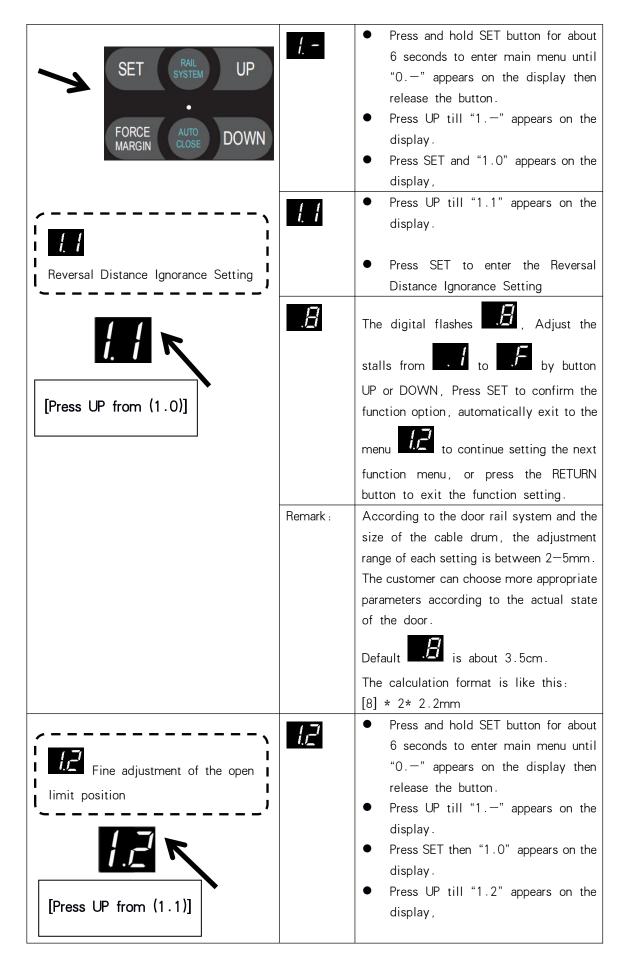
MENU	Function Table Menu	Status Indications
0	Travel Limit Setting	[]
1	Common Function Setting	<i>f.</i> –
2	Operating Parameter Setting	<u> </u>
3	Soft Stop (during—operation) Function Setting	<u> </u>
4	AUTO CLOSE Time & Condition Setting	<i>l-</i> {
5	Infrared Beam & Light Curtain Function	5
6	Terminals for Extra Function Setting	<u> 5</u>
7	Courtesy Light Function Setting	7
8	Maintenance Alarm Function Setting	<u> 8</u>
9	Gear Motor Running Direction Rotating Setting	9

FUNCTION MENU DESCRIPTION

MENU 0 Travel Limit Setting

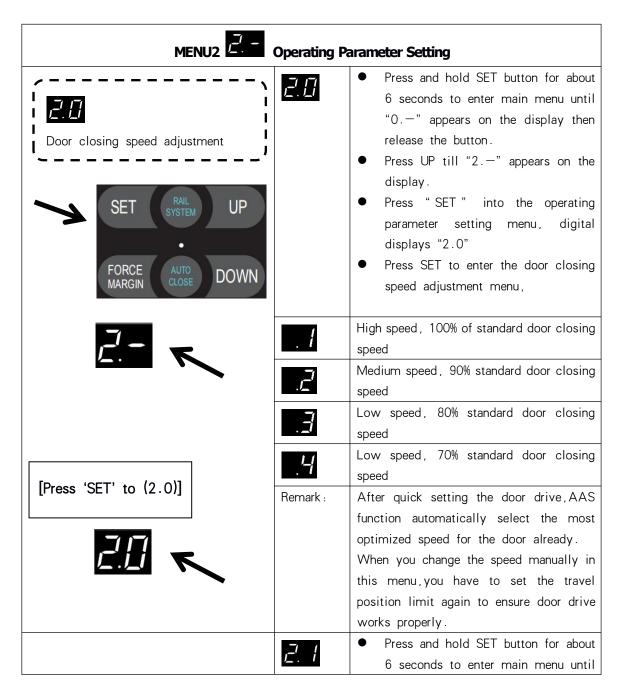






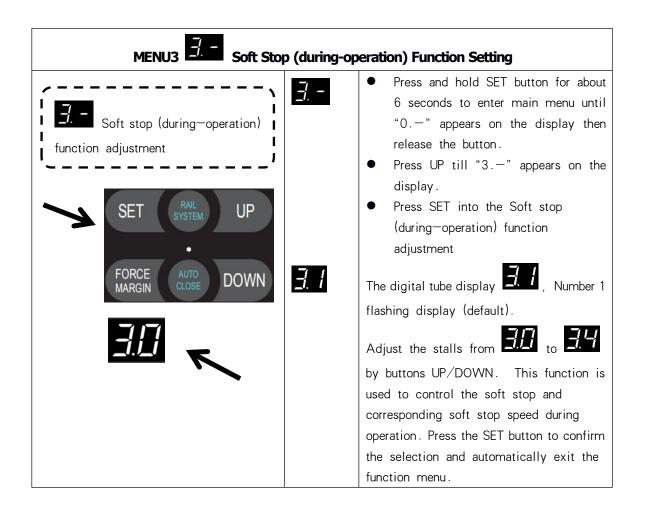
-5 K	- 5	Press SET to enter, digital flashing display : Use the UP or DOWN buttons to adjust the number displayed on the digital tube between to E. Select the target parameter, press SET to confirm the function option, then exit to the menu . Continue to set the next function
	Remark:	menu, or press the cancel button to exit the function setting. Default a. Select to form, which means the limit position moves further in the OPEN DOOR direction. b. Select to form, which means the limit position moves in the door center direction.
Fine adjustment of the close limit position	1.3	 Press and hold SET button for about 6 seconds to enter main menu until "0.—" appears on the display then release the button. Press UP till "1.—" appears on the display. Press SET then "1.0" appears on the display. Press UP till "1.3" appears on the display.
[Press UP from (1.2)]	- 5	Press SET to enter, digital flashing display ; Use the UP/DOWN buttons to adjust the number displayed on the digital display between to E. Select the target parameter, press SET to confirm the function option, then exit to the menu

Remark :	Default - 5
	a. Select to F, which
	means the limit position moves in the
	door center direction.
	b. Select -F to II, which
	means the limit position moves in the
	CLOSE DOOR direction.



		"0" appears on the display then
		release the button.
		Press UP till "2.—" appears on the
i		display.
Door opening speed adjustment		Press "SET" into the operating
		parameter setting menu, digital displays "2.0"
		Press UP till "2.1" appears on the
7 1		display
		Press SET to enter the door opening
		speed adjustment menu,
	1	High speed, 100% of standard door opening
	. 1	speed
		High speed, 90% of standard door opening
	./_	speed
	7	Medium speed, 80% of standard door
	!	opening speed
	L.J	Low speed, 70% of standard door opening
		speed
	Remark :	After quick setting the door drive, AAS
		function automatically select the most
		optimized speed for the door already.
		When you change the speed manually in
		this menu, you have to set the travel
		position limit again to ensure door drive
		works properly.
·	ב, ב,	Press and hold SET button for about
1 22	4.4	6 seconds to enter main menu until
		"0.—" appears on the display then
Soft closing distance adjustment		release the button.
~		• Press UP till "2.—" appears on the
		display.
		• Press "SET" into the operating
		parameter setting menu, digital
		displays "2.0"
		• Press UP till "2.2" appears on the
		display
		Press SET to enter the Soft closing
		distance adjustment,
	1	
		Soft closing distance
		SL:10CM, HL:20CM, VL: 25CM

Soft closing distance SL:20CM, HL:30CM, VL: 40CM	
SL:20CM, HL:30CM, VL: 40CM	
Soft closing distance	
Soft closing distance SL:25CM, HL:45CM, VL: 50CM	
Soft closing distance	
SL:40CM, HL:55CM, VL: 60CM	
Remark: The above soft closing distance	is
estimated with 18—inch cable drum. T	he
actual distance will be different accord	ng
to the customer's cable drum diamete	r.
The rail system (AAS) will automatical	lly
match the optimized soft closing distance	e.
After the customer changes the defa	ult
distance, the previous travel limit will	be
lost and needs to be re-learned.	

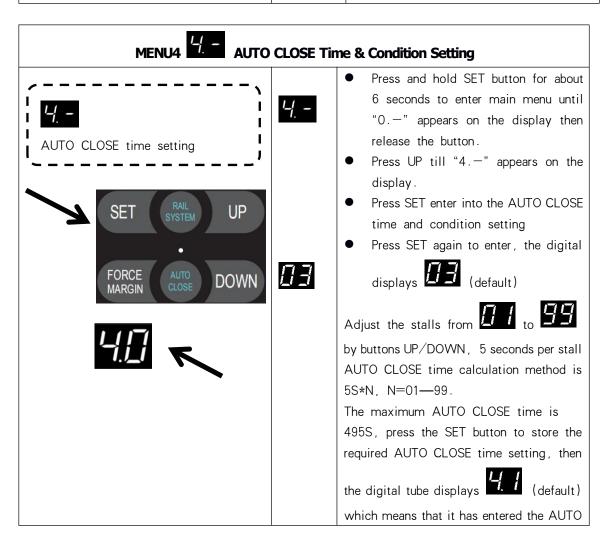


Remark: The soft stop function is enabled by default , Whether it is an external device or a remote control, the soft stop function implemented during operation. means: Soft stop function is off 3.1 means soft-stop will low-down the speed to 30% in 0.75 second, then stop the door 3.2 means oft-stop will low-down the speed to 40% in 0.75 second, then stop the door.

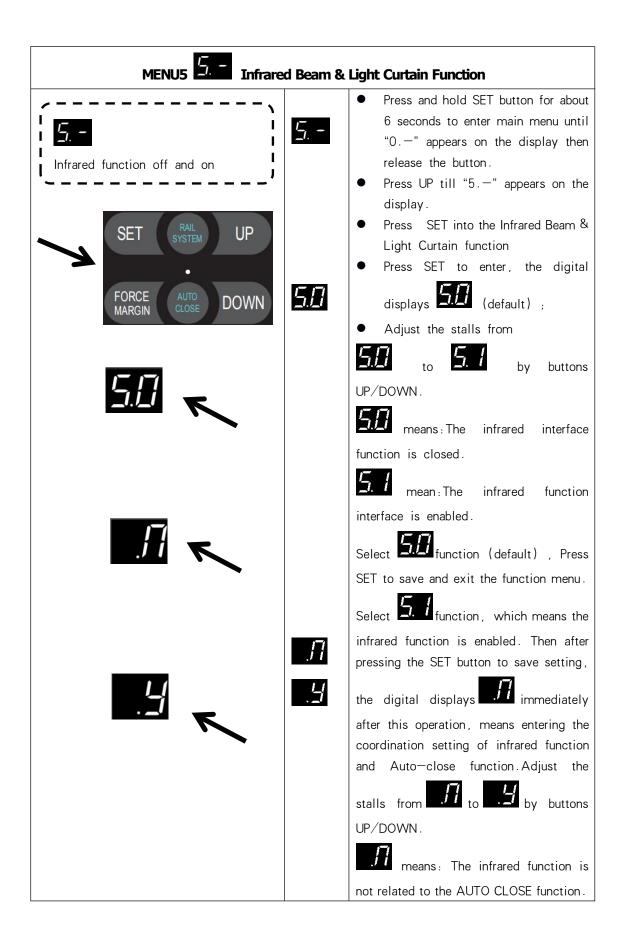
3.3 means oft-stop will low-down the

speed to 50% in 0.75 second, then stop the door.

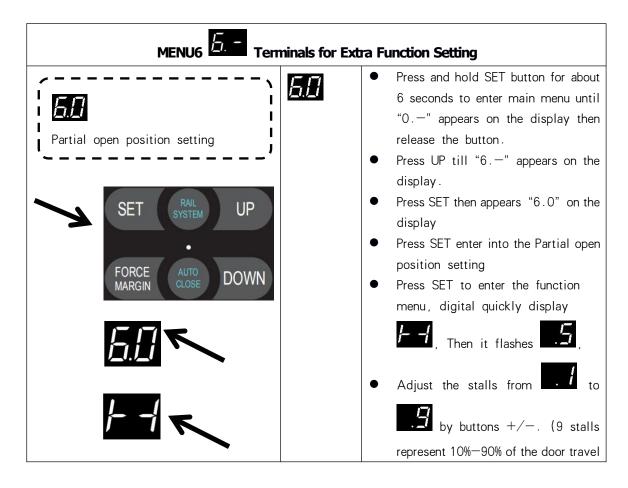
3.4 means oft-stop will low-down the speed to 60% in 0.75 second, then stop the door.



CLOSE condition setting,
Adjust by buttons UP/DOWN from
4. or 4. or 4. or 4. or 4.
Select the corresponding function, press
the SET button to save and exit the menu
setting.
emark: The AUTO CLOSE function is turned on,
which means the door is controlled by the
AUTO CLOSE button on the control box.
Condition 4. 1 means: Only after the
door is opened to the open limit position,
the AUTO CLOSE function is effective and
starts timing.
Condition Heans: After the door
stops at any position when opening, the
AUTO CLOSE function is effective and
starts timing.
Condition 4.3 means: No matter where
the door is open, as long as it is not at
the close limit position, it will
automatically close.
emark: a. If the infrared function is
turned on, the AUTO CLOSE timing
will stop when the infrared is blocked
by an obstacle. After the obstacle
removed, it will continue the
previous timing and automatically
close the door.
b. When the door is about to
close, the courtesy light flashes for
close, the courtesy light flashes for warning.
close, the courtesy light flashes for warning. c. When the door is about to
close, the courtesy light flashes for warning. c. When the door is about to close, the warning light flashes to
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close, the courtesy light flashes for warning. c. When the door is about to close, the warning light flashes to warn. d. Note: The flashing time of the warning light follows the courtesy light.

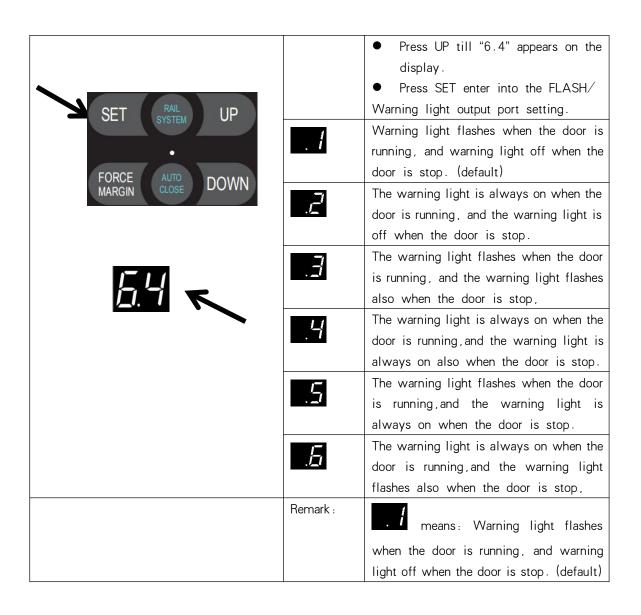


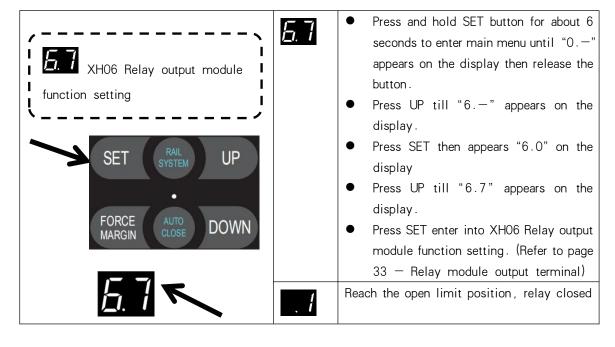
	means: The AUTO CLOSE function must be enabled after the infrared function is turned on. After selecting, press SET to save the setting and exit the function setting.
Remark :	Use the Normal—Close (NC) port of the infrared photoelectric device to connect to the PE port of the control box. The infrared PE port defaults to a Normal—Close (NC) contact to ensure that the infrared photoelectric device has been installed correctly. If the infrared photoelectric device is not installed, this function must be disabled, otherwise the drive unit cannot execute close the door. And digital displays faulty



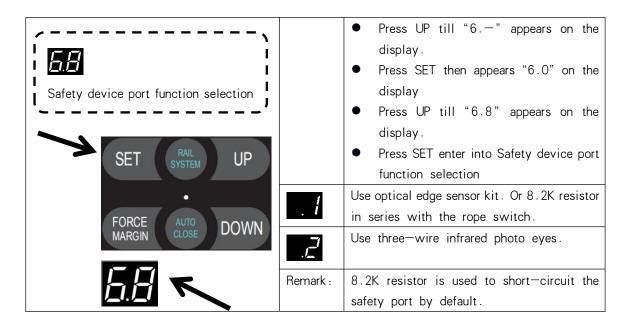
		limit) • Press SET to confirm and exit to the
		menu . You can continue to set the next function
		menu. Or press the RETURN button to exit the function setting.
	Remark :	(default).
		It means that the partial open door position is 50% of the full travel limit.
PB Port function setting (NO)	5.2	 Press and hold SET button for about 6 seconds to enter main menu until "0.—" appears on the display then release the button. Press UP till "6.—" appears on the
SET RAIL UP		display. Press SET then appears "6.0" on the display Press UP till "6.2" appears on the
FORCE AUTO CLOSE DOWN		display.Press SET enter into the PB Port function setting.
5.E	. 1	Execute OPEN-STOP-CLOSE the doorSingle-cycle function
	.2	2
		 Execute CLOSE the door at the open limit position OPEN the door at the close limit position ONLY OPEN the door in the middle
		of the travel limit Execute ONLY OPEN the door
		(Specified application scenarios, Fire alarm, infrared sensor to open the door)
	.4	Execute PARTIAL OPEN the door
	.5	Execute REVERSE during door closing (default)

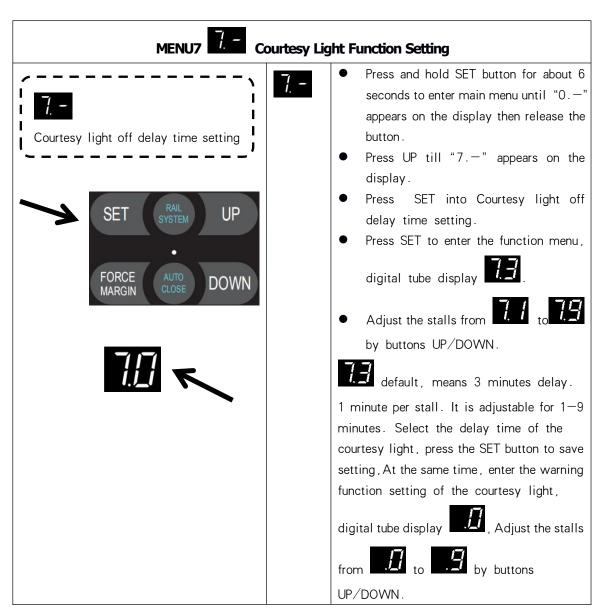
	Remark :	
		Execute REVERSE during door
		closing (default)
Electronic lock function SET RAIL SYSTEM UP FORCE AUTO CLOSE DOWN	<i>5.3</i>	 Press and hold SET button for about 6 seconds to enter main menu until "0.—" appears on the display then release the button. Press UP till "6.—" appears on the display. Press SET then appears "6.0" on the display Press UP till "6.3" appears on the display. Press SET enter into the Electronic lock function setting.
5.3 C	П	Electronic lock function is off (default)
	<i>. 1</i>	. <i>1</i>
		Electronic lock function is enabled:
	Remark :	1 second after the door drive runs to the close limit position, the electronic lock is powered on, the bolt is pushed out, and after 1.5 seconds electronic lock stops supplying power. After the door drive receives the door opening command at the close limit position, the electronic lock will be powered on firstly to retract the bolt, then the door starts to run after 1.5 seconds, and the electronic lock stops power supply after the door runs for 1 second. The default electronic lock function is
		off.
FLASH/Warning light output port setting	<u>5.4</u>	 Press and hold SET button for about 6 seconds to enter main menu until "0.—" appears on the display then release the button. Press UP till "6.—" appears on the display. Press SET then appears "6.0" on the display



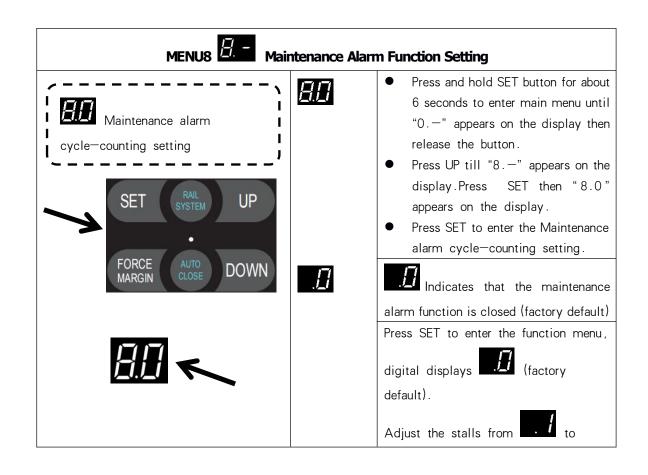


.2	Reach the close limit position, relay closed
. .3	Reach the partial open limit position, relay closed
	Before the door drive running, the relay is
 -	closed first (1-7 seconds time adjustable)
	Press SET to confirm and directly enter the
	time setting. Adjust the stalls from
	to by buttons UP/DOWN.
	default: Represents 3 seconds.
	Relay always closed during the door drive
.5	running. After the door drive stops, relay
	will be disconnected after 1–10 minutes
	delay (Adjustable time, similar to courtesy
	light OFF DELAY function).
	Press SET to confirm and directly enter the
	time setting. Adjust the stalls from
	to by buttons UP/DOWN.A=10.
	means: 10 minutes;
	default: Represents 3 minutes
	The relay is closed during door drive
.b	operation.
	When the door drive running, the relay
	flashes at a frequency of 1HZ (externally
	extended warning light function) Relay no action
	<u></u>
Remark :	default.
	The customer can set the function according
	to the specific application and choose the
	appropriate function with the Normal-Open
	(NO) and Normal—Close (NC) function of the
	relay.
	Press and hold SET button for about 6
	seconds to enter main menu until "0.—"
	appears on the display then release the
	button.



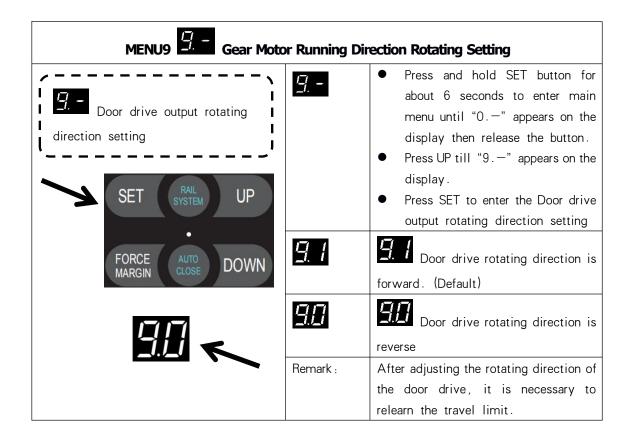


warning second drive second dri	means the courtesy light operation of function is off. To means: The corresponding of 1-9 second time selection, 1-9 of option means flashing before door starts running. After the door drive stops running, the courtesy light delay time can be adjusted from 1 ~ 9 minutes, the default is means 3 minutes off delay. After the courtesy light warning function is turned on, the courtesy light will flash for a corresponding time before the door drive runs each time,
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	T	
		then by buttons UP/DOWN. 500 cycles per stall. Cycles—calculation method is 500*N, N=01—15. A=10; F=15 e.g. means: 1*500=500 cycles; means: 2*500=1000 cycles; means: 10*500=5000 cycles; means: 15*500=7500 cycles
Query the remaining cycles of maintenance alarm	B. 1	 Press and hold SET button for about 6 seconds to enter main menu until "0.—" appears on the display then release the button. Press UP till "8.—" appears on the display. Press SET then "8.0" appears on the display. Press UP till "8.1" appears on the display , Press SET to enter the Query the remaining cycles of maintenance alarm
		Press SET to enter the function query, the digital will circulated display - , then after the cumulative loop display 3 times, the query display will exit.
	Remark :	 a. Running cycles counter will not be cleared even after the door drive is restored to factory settings. b. Maintenance alarm description (Running cycles will minus 1 cycle, after the door drive reaching the close limit position each time) c. When the maintenance alarm count shows 0, when the door drive runs to the open and close limit positions each time, the courtesy

light will flash quickly, the buzzer will sound continuously to remind the customer that the door and the drive unit need maintenance, and the digital tube will display fault
d. After the maintenance of the door
or drive unit is completed, the maintenance personnel need to re—enter the menu to set the
maintenance alarm cycles, and the cycles of maintenance alarms will restart to count.

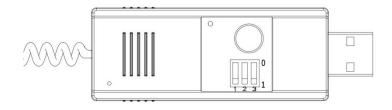


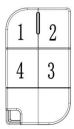
FAULT DISPLAY

Fault Display Code	Fault Description	Fault Correction	
	Encoder failure, the encoder cannot write and read data	1. Replace the e 2. Replace the e	
E 1.	No motor motion signal is detected,	 Check whether between the control board 	limiter and the
E 2.	The positive and negative poles of the motor wire are reversed	 Exchange the negative pole 	positive and s of the motor
E 3.	Motor current is too high	 Choose match system and n Check the do Replace the hi drive 	notor
E4.	Door drive overload alarm, current overrun	is too heavy 2. The door size 3. Check the do	_
E 5.	Optical safety edge sensor kit fault	missing instal	e tape edge is
E 6.	Infrared/infrared light curtain function port is triggered	to detect when device is block Check whethe wiring of the output port is port is connect	rned on nfrared function ther the infrared cked
E 7.	SD (Pass door/wicket door) switch is triggered	 Check whether function port is not contact. 	of the secure
EB.	The maintenance alarm cycle reaches	·	nance personnel e door and drive

	Safety port three—wire	1.	The three-wire infrared
E 3.	infrared fault		electric photo eye is blocked
		2.	Three—wire infrared electric
			photo eye failure
		3.	Is the three—wire infrared
			electric photo eye a product
			of our company?
	Communication failure	1.	Re-plug the 8P ribbon cable
<i>E D.</i>	between door drive and	2.	The door drive needs to be
	control panel.		powered off and restarted
	·	3.	Replace the 8P ribbon cable
	Short learning travel limit	1.	Re-learn the travel limit
EL.		2.	Encoder position data failure
	During the self—learning of	1.	Re-learn the limit position.
CC.	the travel limit, if the	2.	Check the encoder connection
	rotor is blocked or the	3.	Replace the encoder
	encoder is faulty, the		
	buzzer will sound once and		
	display "EE."		
E E	The emergency stop	1.	Check whether the emergency
	switch function is		stop switch is pressed
	triggered.	2.	Whether the emergency stop
			switch uses a normally
			closed (NC) switch
		3.	Whether the external port
			STOP short-circuit
			connection is loose

TX/RX FUNCTION MODULE DESCRIPTION (optional)





- 1. The external decoding module uses the standard HCS301 format open code, the frequency 433MHZ/868MHZ is optional,
 - 2. Transmitter 4 button design; Transmitter key value 1, 8, 2, 4
 - 3. The transmitter module and control box use USB standard interface to connect
- 4. Short press the LEARN button on the module, the LED will light up, press the remote control to learn the code. Long press the learn button on the module for 6 seconds, LED will flash 5secondsquickly to clear the code
- **5.** The default maximum number of transmitter storage is 50codes, and if 50 codes is already learned, the 51stcodewill automatically cover the 1stcode.

6. Transmitter module function:

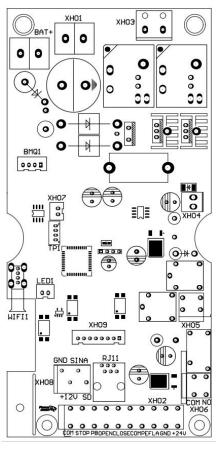
- a. Standard function: Single key cycle
- b. Ignore the key value function, all keys are valid: OPEN-STOP-CLOSE command order each cycle. As long as learning a key, the others are valid
- c. Multiple function key 1:
 - 1st button execute OPEN—STOP—CLOSE command order each cycle;
 - 2nd button execute PARTIAL OPEN command order;
 - 3rd button execute courtesy light ON/OFF command order;
 - 4th button execute remote LOCK command order;
- d. Multiple function key 2:
 - 1st button execute OPEN the door command order;
 - 2nd button execute STOP command order;
 - 3rd button execute CLOSE the door command order;
 - 4th button execute remote LOCK command order;
- e. Multiple function key 3:
 - 1st button execute OPEN the door command order;
 - 2nd button execute STOP command order;
 - 3rd button execute CLOSE the door command order;
 - 4th button execute "CF" command order; ("CF"command order means press
 the 4th button, the door will OPEN directly without STOP action, execute
 the REVERSE action during door closing)
- 7. Adjust the transmitter function through the three-circuit DIP switch

Important Note:

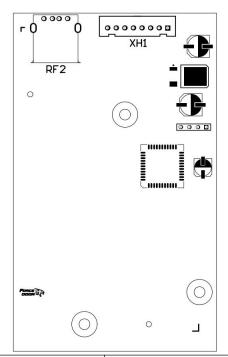
When using multiple function keys, you must use our company's standard transmitter. The transmitter provided by the customer has inconsistent key values, which may cause function failure.

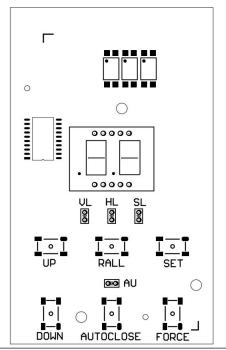
S1	S2	S3	Function Description
1	1	1	Standard function (Factory default)
0	1	1	Ignore the key value function
1	0	1	Multiple function key 1
1	1	0	Multiple function key 2
0	0	1	Multiple function key 3

FUNCTION WIRING DIAGRAM



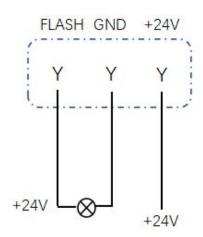
XH01	DC24V Power input terminal
XH02	External function terminal
XH03	Gear motor power supply terminal
XH04	DC24V Input terminal
XH05	Electronic lock terminal
XH06	Relay module output terminal
BAT+	Lead—acid battery input terminal
RJ11	Wall switch terminal
WIFI1	WIFI control terminal
LED1	Courtesy light terminal
XH08	Safety terminal
XH09	Display board terminal





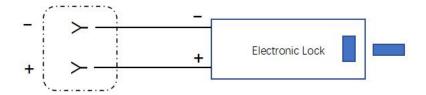
XH1	Display board terminal
RF2	Transmitter receiver module terminal

XH02 Door drive output terminal



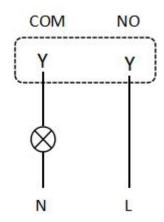
	DC24V warning light output terminal, drive MAX current 0.2A, function
FLASH/GND	menu 5.4 , define function status
+24V/GND	DC 24V/ MAX 0.2A

XH05 Electronic lock output terminal



±24V Electronic lock output terminal, output current max. 2A, time 3S, function menu enabled

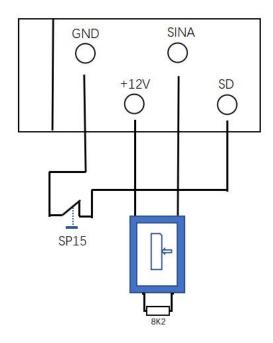
XH06 Relay module output terminal



COM/NO See the function menu for details

XH08 Safety terminal

(optical safety edge/wicket door protection)

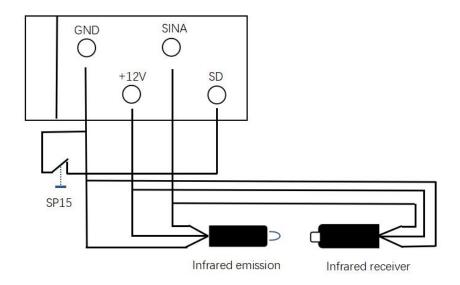


GND	GND
+12V	+12V
SINA	Signal
SP15/SD	Safety contact , wicket door slackline protection

Note: SP15 is disconnected, the door drive stops, and all control functions are invalid. The optical safety edge is short—circuited during the closing process, and the door drive automatic reverse.

XH08 Safety terminal

(three-wire infrared sensors/wicket door protection)

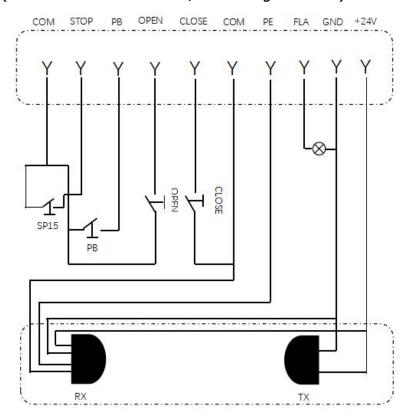


GND	GND
+12V	+12V
SINA	Signal
Three-line infrared	Enable function menu ESE Enable three—wire infrared sensor port
sensors	(use our standard infrared sensors)
SP15/SD	Safety contact, wicket door slackline protection

Note: SP15 is disconnected, the motor stops, and all control functions are invalid. In the closing process, the three—wire infrared sensors are blocked during the closing process, and the door drive automatic reverse.

XH02 Safety terminal

(four-wire infrared sensors/infrared light curtain)



STOP	Emergency stop normally open (NO) port, after connection, the door drive executes long press operation mode
PB	Door drive operation control terminal, see details for specific functions Function menu normally open (NO) port
OPEN	External door opening terminal normally open (NO) port The external switch can be defined the function for button mode.
CLOSE	External door closing terminal normally open (NO) port The external switch can be defined the function for button mode.
PE	Infrared sensors, infrared light curtain, see details Function enable menu
+24V/GND	DC24V Output power, max 0.2A

Date Version: 17/06/2021

Declaration of Incorporation

pursuant to Machinery Directive 2006/42/EC for a partly completed machine Appendix II Part B

Declaration of conformity

in terms of EMC Directive 2014/30/EU

We, the

Wuxi Force Technology Co., Ltd

Address: Building H, Plainvim International Industrial Park, Wanquan Road, Wuxi, 214000 Jiangsu, China

hereby declare that the following products are conform with the above EC Guideline and are only intended for installation in door equipment.

BASE 35. BASE 50. BASE 70

Standards applied

EN 12453 article 5.3.2

Industrial, commercial and garage doors and gates - Safety in use of power operated doors -Requirements

EN 60335-1

Household and similar electrical appliances - Safety - Part 1: General requirements

EN 60335-2-103

Household and similar electrical appliance - Safety- Part 2 -103: particular requirements for drives for gates, doors and windows.

EN 61000-6-3

Electromagnetic compatibility (EMC) Part 6-3 Generic standards – Emission standard for residential, commercial and light-industrial environments

EN 61000-6-2

Electromagnetic compatibility (EMC) Part 6-2 Generic standards – Immunity standard for industrial environments

Incomplete machines within the meaning of the EC Directive 2006/42/EC shall only be intended to be integrated into other machines (or into other incomplete machines/systems) or to be assembled with them to form a complete machine within the sense of the Directive. Therefore, this product cannot be commissioned before it is determined that the entire machine/system to which it was integrated shall comply with the provisions of the Machinery Directive indicated above.

Date: 17-06-2021 Jevons Liang

General Manager

Signature