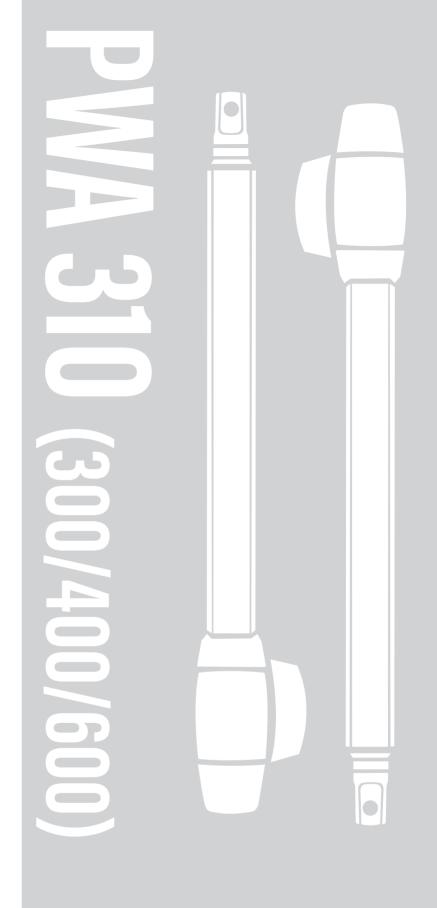
# SWING GATE OPENERS AC SWING MOTOR | 120V / 230V | ORIGINAL / SPEEDY \_\_\_\_\_\_



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# A. GENERAL SAFETY WARNINGS AND PRECAUTIONS



# **WARNING!**

Please read this instruction manual carefully before the installation of gate-automated system.

This manual is exclusively for qualified installation personnel.

The manufacturer is not responsible for improper installation and failure to comply with local electrical and building regulations.

Keep all the components of PWA 310 (300 / 400 / 600) system and this manual for further consultation.

In this manual, please pay extra attention to the contents marked by the symbol:



Be aware of the hazards that may exist in the procedures of installation and operation of the gate-automated system.

Besides, the installation must be carried out in conformity with local standards and regulations.

If the system is correctly installed and used following all the standards and regulations, it will ensure a high degree of safety.

Make sure that the gates works properly before installing the gate-automated system and confirm the gates are appropriate for the application.

Do not let children operate or play with the gate-automated system.

Do not cross the path of the gate-automated system when operating.

Please keep all the control devices and any other pulse generator away from children to avoid the gate-automated system being activated accidentally.

Do not make any modifications to any components except that it is mentioned in this manual.

Do not try to manually open or close the gates before you release the gear motor.

If there is a failure that cannot be solved and is not mentioned in this manual, please contact qualified installation personnel.

Do not use the gate-automated system before all the procedures and instructions have been carried out and thoroughly read.

Test the gate-automated system weekly and have qualified installation personnel to check and maintain the system at least every 6-month.

Install warning signs (if necessary) on the both sides of the gate to warn the people in the area of potential hazards.

# **B. PRODUCT DESCRIPTION AND INTENDED USE**

# **B1. KIT CONTENT**

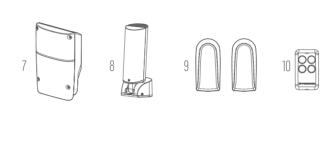
# ► MOTORS ◀



# ► HARDWARE ◀

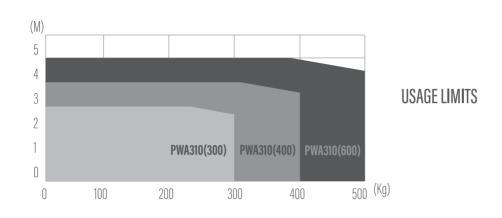


# ► ACCESSORIES ◀



•	REF -	DESCRIPTION	QUANTITY •
	1,	Motor 1 (Master)	1
	2.	Motor 2 (Slave)	1
	3,	Front bracket	2
	4,	R-type pin	4
	5.	Metal plug	4
	6,	Rear bracket	2
	7.	PCA300U Control box	1
	8,	Flashing light (Optional)	1
	9,	Photocells (Optional)	2
	10,	Remote	2

# **B2. PRODUCT USAGE LIMITS**



# PWA310(300)

Max gate weight: 300kg Max gate length: 3Meters

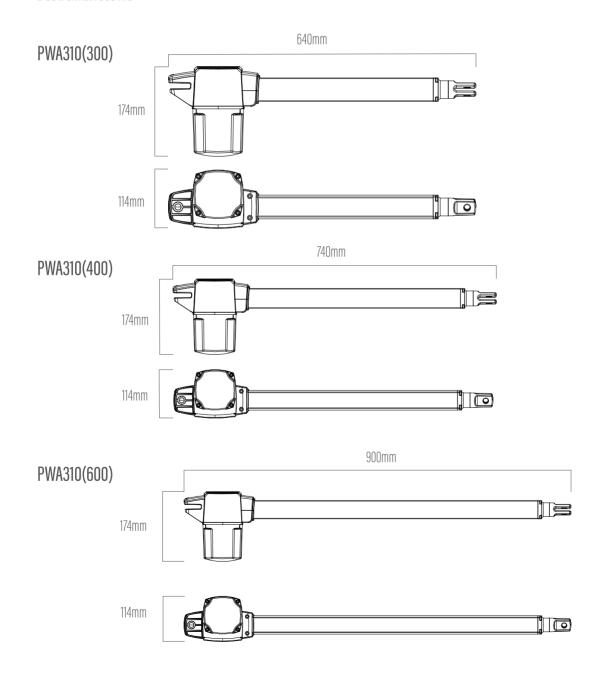
# PWA310(400)

Max gate weight: 400kg Max gate length: 4Meters

# PWA310(600)

Max gate weight: 500kg Max gate length: 5Meters

# **B3. DIMENSIONS**



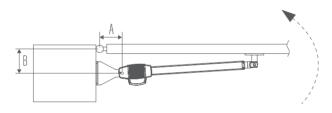
# **C. INSTALLATION**

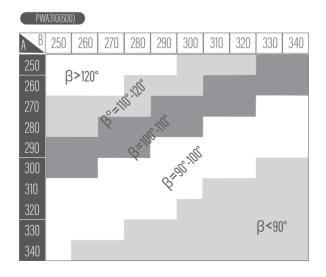
# C1. PRE-INSTALLATION CHECKS

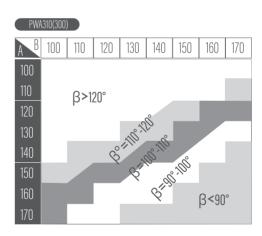
PWA310(300 / 400 / 600) is not applicable to a gate which is inefficient or unsafe, neither to solve the defects due to incorrect installation nor poor maintenance.

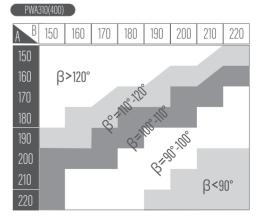
- 1. Make sure the weight and dimensions of the gate conform to the operation range of PWA310(300 / 400 / 600). PWA310(300 / 400 / 600) if the gate specifications do not meet the requirements.
- 2. Make sure the gate structure conform to the criteria of automatic operation and force regulations.
- 3. Make sure there is no serious friction existing in the opening or closing travel of the gate leaves.
- 4. Make sure the gate is at horizontal level that the gate will not move aside at any position.
- 5. Make sure the gate can bear the impact of the motor torque when it is installed on any hole of the bracket which the surface is sufficiently sturdy.
- 6. Make sure the photo sensors are installed on flat surfaces to ensure the two ends of receiving and transmitting corresponded to each other.
- 7. Check the dimensions of the motors as below.
- 8, Make sure to leave enough space when the gate is opening,
- 9. If the gate is **OPENED OUTWARD**, please leave at least 70mm between the post brackets and the gate.
- 10. Using the leaf-opening angle as criteria to make sure all criteria.

## OPEN OUTWARD

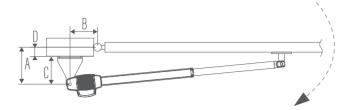




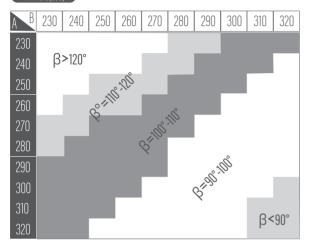


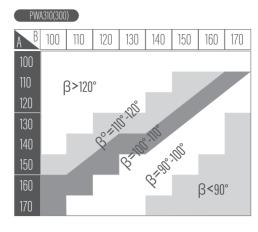


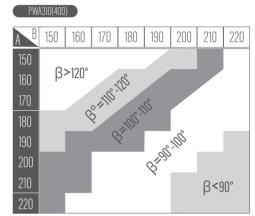
## OPEN INWARD



### PWA310(600)



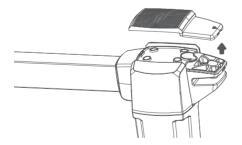


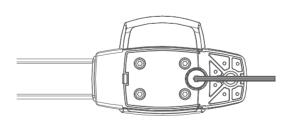


- 11. "C" value is 139mm.
- 12. "D" can be measured from the gate easily.
- 13. "A" = "C" + "D"
- 14. The value of "B" can be calculated from the value of "A" and the leaves opening angle. Ex. If "A"=180-190mm with the leaves opening angle of 100 degrees, then the value of "B" is approximate 190mm.
- \*\*Please make sure "B" and "A" are similar or the same in value that the leaves can be operated smoothly, also to reduce the burden of the motor.\*\*

# • RELEASE GEAR

- 1. Remove the upper cover of the motor.
- 2. Turn the release axle with a hex key to release the motor.
- 3. The inner tube can be moved inward or outward.
- 4. Turn the release axle to engage the gear.

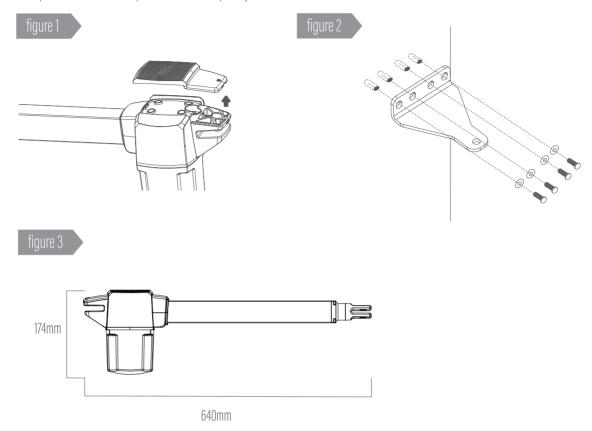




# **C2.INSTALLATION OF THE GEAR MOTORS**

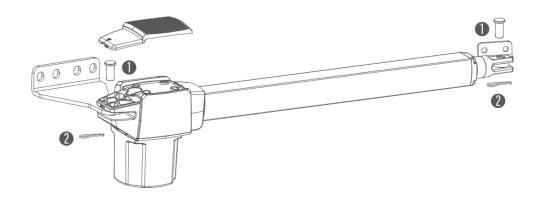
- 1. Choose the correct dimensions of the motors and position to be installed.
- 2. Check if the mounting surface the brackets to be installed is smooth, vertical and rigid.
- 3. Arrange the cable conduit for power supply cable of the motors.
- 4. Loosen the screw and remove the cover of the motor . (Figure 1)
- 5. Place the leaves in the closed position.
- 6. Refer to the distance of "B" on page 6 ,place the rear plate in the correct position on the mounting surface.

- 7. Place 4 post brackets on the surface to be installed and mark the drilling points, then drill minimum diameter of 8mm holes by four on the mounting surface to be installed and fasten up the brackets with screws and washers. (Figure2)
- 8.Please make sure the front plate is completely installed horizontally.
- 9, Clamp and fix the motor front plate on the door temporarily,

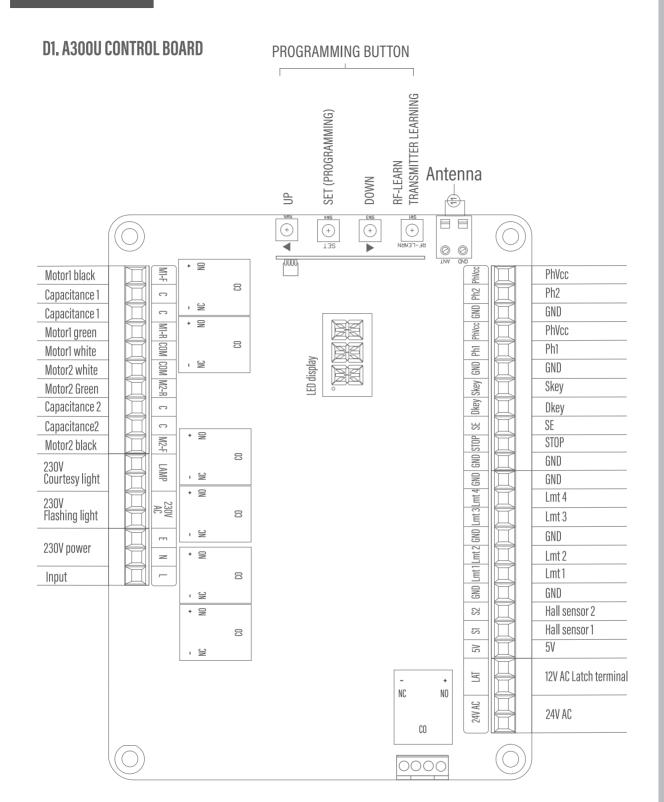


- 10. Lift up the motor and insert the screws into the front plate.
- 11, Lift the motor overhead and push the gate to the end until the screw holes of the motor end matches the holeson the rear plate, Fasten the motor to the rear plate with the bolt .(Figure4)
- 12. Fasten the nut tightly and loosen it for half round for motor supporting in rotating.
- 13. Fasten the motor front end to the front plate with the plug 1 and 2 pin tightly.
- 14. Use appropriate release key to release the gear motor.
- 15. Try to push the released gate and make sure the motor can be manually moved easily.
- 16. Make sure the motor front plate can be fastened on the gate to be installed permanently.
- 17. Use the appropriate release key to fasten the gear motor again.
- 18. Loosen the plastic nut under the power cable of the motor end, and penetrate the power cable through the nut and screw it up.

### fiaure 4



# **D. COMISSIONING**



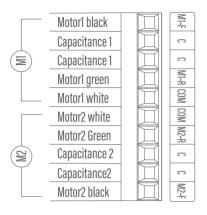
# • ELECTRICAL CONNECTION SPECIFICATIONS

TERMINAL	230V SYSTEM	120V SYSTEM		
230V				
LAMP	ΜονΩΕΩΙ//ΜονΩΛ	Mov440V/Mov4A		
M1-F/M1-R/COM	Max250V/Max2A	Max140V/Max4A		
M2-F/M2-R/COM				
24VAC	Max30V_	_AC/Max2A		
LAT+/-	Max15V A	C//Max3A		
5V	Max5V/N	Max50mA		
\$1/\$2				
LMT1/2	Max5V/Max0.5mA			
LMT 3/4				
STOP				
SE	Max5V/N	Max1mA		
DKEY	MUAGY N	пилни		
SKEY				
PH1	Max12V/Max1.2mA			
PHVCC	Max14V/Max0.5A			
PH2	Max12V/Max1.2mA			
PHVCC	Max14V/Max0.5A			

## **D2.MOTOR WIRING**

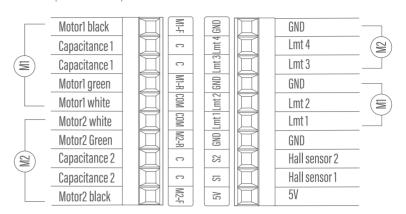
## TIME MODE

Refer to parameter table-parameter A1-1.



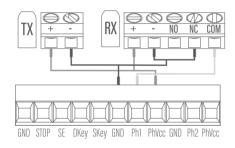
## LIMIT SWITCH MODE

Refer to parameter table-parameter A1-0.

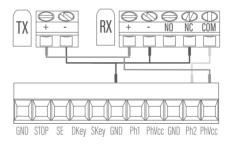


# **D3. WIRING OF ACCESSORIES**

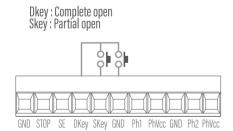
# SAFETY DEVICE 1 WIRING



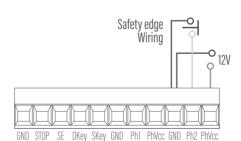
# SAFETY DEVICE 2 WIRING



# AUXILIARY DEVICE WIRING



# 12V AVAILABLE TO POWER ACCESSORIES



## **D4. REMOTE LEARNING**

### PAIRING REMOTES

Press RF button for 2 seconds and the LED display show Press any key of the remote control within 10 seconds, the LED will show remote control code, and flash slowly 3 times.

# • DELETE SINGLE REMOTE (BY PRESSING REMOTE BUTTON)

Press the RF button twice and the LED shows

Press any key of the paired remote and the LED show remote control code and blinks for 3 times.

Wait the code goes OFF.

# DELETE SINGLE REMOTE (by pressing SW4 <SET> on control board)

press RF button 3 times and LED show the remote control code, press SW3 / SW5 to select the code you want delete and pressing SW4(SET), the code Flash slowly 3 times to finish deleting the remote control.

## • DELETE ALL REMOTE

Press the RF button for 5 seconds and the LED shows

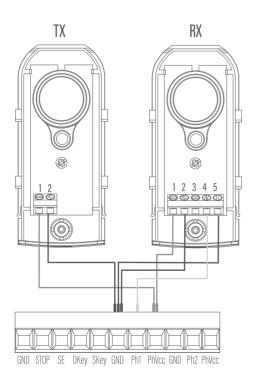
DAL

Press any key of paired remote and LED shows blinks for 3 times , the control panels deletes all the paired remotes.

### PAIRING REMOTES WITH A PAIRED REMOTE

Press a new remote for 5 seconds and the Flashing light will be **ON.**Press the paired remote for 3 times and the Flashing light will blink.
Press any key of a new remote to pair.

# **D5. PHOTOCELLS**



Open the cover and connect wires.

Mounted the receiver and transmitter on the proper position.

Ensure there are no obstacles between receiver and transmitter.

For optimal efficiency, the receiver and transmitter should be properly aligned.

Power-up the photocells and make sure the LED light on receiver and transmitter are ON

# **D6. SAFETY DEVICE LOGIC**

# • F5 PH1 functions

PARAMETERS	FUNCTION	GATE STATUS	REACTION
<b>F5-0</b> (Default setting)	PH1 function OFF	No function	No function
		Gate fully close	Not allow to open
		Gate fully open	Fast closing
F5-1	Photocell-Close	Stop during cycle	Not allow to open/close
		Closing phase	Open
		Opening phase	No effect
		Gate fully close	Not allow to open
	Photocell-Open	Gate fully open	Not allow to close
F5-2		Stop during cycle	Not allow to Open/close
		Closing phase	No effect
		Opening phase	Close
		Gate fully close	Not allow to open
	Safety edge	Gate fully open	Reload auto-closing time
F5-3		Stop during cycle	Not allow to Open/close
		Closing phase	Open for 2 seconds
		Opening phase	Close for 2 seconds

# • F6 PH2 functions

PARAMETERS	FUNCTION	GATE STATUS	REACTION
<b>F6-0</b> (Default setting)	PH2 function OFF	No function	No function
		Gate fully close	Not allow to open
		Gate fully open	Fast closing
F6-1	Photocell-Close	Stop during cycle	Not allow to Open/close
		Closing phase	Open
		Opening phase	No effect
		Gate fully close	Not allow to open
	Photocell-Open	Gate fully open	Not allow to close
F6-2		Stop during cycle	Not allow to Open/close
		Closing phase	No effect
		Opening phase	Close
		Gate fully close	Not allow to open
		Gate fully open	Reload auto-closing time
F6-3	Safety edge	Stop during cycle	Not allow to Open/close
		Closing phase	Open for 2 seconds
		Opening phase	Close for 2 seconds

# D7. PROGRAMMING

## • INDICATIONS ON THE LED DISPLAY



N-L: System learning not been done yet



CLS: Close



D-G: Double gate



STP: stop



S-G: Single gate



LEA: motor into the system learning mode, do not interrupt during this procedure.



RFL: Remote learning



S01: the panel did not detected the M1+/M1 and M2+/M2 both been connected before the system learning procedure, check for 2 motors' wire connection, for dual gate system



DKY: Delete single remote



DAL: Delete all remotes

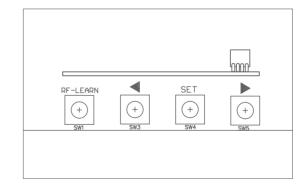


OPN: Open

### PARAMETER SETTINGS

Press and hold ▲ / SET for 3 seconds
The LED display « A1» parameter setting
Select main setting with ▲ / ▼ then confirm with SET
Display of the sub-setting (ex: parameter A1-subvalue=1)
Modify sub-setting value ▲ / ▼
Validate sub-setting value with SET

Press lacktriangle / lacktriangle to display and configure other settings



# D8. PARAMETER TABLE

SETTING	FUNCTION	PARAMETERS	DESCRIPTION
Λ1	Limit mode	A1-0	Limit switch mode
A1	Elilit mode	A1-1	Time mode (default setting)
		A2-0	Standard mode (default setting)
A2	Operation mode	A2-1	Condominium mode
		A2-2	Holiday mode
<b>A</b> 2	Double/Single gate	A3-0	Single gate
A3	Bouble/oringle gate	A3-1	Double gate (default setting)
Α.α.	LED direction	A4-0	Control box (default setting)
A4	LED direction	A4-1	Arm gate opener
A.E.	Operation direction	A5-0	Open inward (default setting)
A5	operation direction	A5-1	Open outward
C1/C2	C1 Slowdown area for opening	C1/C2-0	No slowdown area
C1/C2	C2 Slowdown area for closing	C1/C2-1	5% slowdown area
		C1/C2-2	10% slowdown area
		C1/C2-3	15% slowdown area
		C1/C2-4	20% slowdown area (default setting)
		C1/C2-5	25% slowdown area
		C1/C2-6	30% slowdown area
C3/C4	C3 Delay time for opening C4 Delay time for closing	C3/C4-0	No delay
63/64		C3/C4-1	1 second
		C3/C4-2	2 seconds (C3 default setting)
		C3/C4-3	3 seconds (C4 default setting)
		C3/C4-4	4 seconds
		C3/C4-5	5 seconds
		C3/C4-6	6 seconds
		C3/C4-7	10 seconds
		C3/C4-8	15 seconds
		C3/C4-9	20 seconds
C5/C6	C5 Motor1 running time for opening C6 Motor2 running time for opening	0-90 seconds	Default setting 22 seconds
C7/C8	C7 Motor1 running time for closing C8 Motor2 running time for closing	0-90 seconds	Default setting 24 seconds
E1/E2	E1 over-current reaction while	E1/E2-0	Stop (E1 default setting)
E1/E2	opening E2 over-current reaction while closing	E1/E2-1	Reverse for 1 second
		E1/E2-2	Reverse for 2 seconds (E2 default setting)
		E1/E2-3	Reverse for 3 seconds
		E1/E2-4	Reverse for 4 seconds
		E1/E2-5	Reverse till the end

SETTING	FUNCTION	PARAMETERS	DESCRIPTION
<b>E</b> 3	Reverse Time when reach	E3-0	No reverse
LJ	the close limit	E3-1	0.1 second
		E3-2	0.2 second
		E3-3	0.3 second
		E3-4	0.4 second
		E3-5	0.5 second
		E3-6	0.6 second
<b>E4</b>	Ignore over-current time	E4-0	FUNCTION OFF
L4	when start	E4-1	1 second
		E4-2	2 seconds
<b>E</b> 5	Over-current sensitivity	E5-0	20%
Eg	,	E5-1	30%
		E5-2	40%
		E5-3	50%
		E5-4	60%
		E5-5	70%
		E5-6	80% (default setting)
		E5-7	90%
		E5-8	100%
<b>E6</b>	Force	E6-0	20%
EU		E6-1	30%
		E6-2	40%
		E6-3	50%
		E6-4	60%
		E6-5	70%
		E6-6	80% (default setting)
		E6-7	90%
		E6-8	100%
F1	Auto-closing time	F1-0	No Auto-closing (default setting)
"		F1-1	3 seconds
		F1-2	10 seconds
		F1-3	20 seconds
		F1-4	40 seconds
		F1-5	60 seconds
		F1-6	120 seconds
		F1-7	180 seconds
		F1-8	300 seconds
F2	Fast closing (Follow me )	F2-0	0 second
1 4		F2-1	1 second
		F2-2	2 seconds
		F2-3	3 seconds
		F2-4	4 seconds (default setting)
		F2-5	6 seconds
		F2-6	8 seconds
		F2-7	10 seconds
		F2-6	8 seconds

SETTING	FUNCTION	PARAMETERS	DESCRIPTION
Eo	Pedestrian mode	F3-0	10%
F3	- Cuocaran mouc	F3-1	20%
		F3-2	30%
		F3-3	40%
		F3-4	50%
		F3-5	60%
		F3-6	70%
		F3-7	80%
		F3-8	90%
F4	Flashing light - Pre flashing	F4-0	0 second (default setting)
17		F4-1	1 second
		F4-2	2 seconds
		F4-3	3 seconds
		F4-4	4 seconds
		F4-5	6 seconds
		F4-6	8 seconds
		F4-7	10 seconds
F5	Ph1 Photocells mode	Please refer to Safety device I	logic
F6	Ph2 Photocells mode	Please refer to Safety device I	logic
<b>F7</b>	Buzzer	F7-0	0FF (default setting)
"		F7-1	ON
F8	Latch release mode	F8-0	Function OFF (default setting)
10		F8-1	Stander gate opening
		F8-2	Release gate tension before opening (Gate reversing for 1s)
F9	Courtesy light	F9-0	OFF (default setting)
10	, ,	F9-1	5 seconds
		F9-2	10 seconds
		F9-3	20 seconds
		F9-4	30 seconds
		F9-5	40 seconds
		F9-6	60 seconds
		F9-7	80 seconds
		F9-8	100 seconds
		F9-9	120 seconds
H1	A Button	H1-0	Function OFF
	A Button	H1-1	Step by step (default setting) Open/Stop/Close/Stop
		H1-2	Open/Stop/Close
		H1-3	Ped mode
		H1-4	Open
		H1-5	Stop
		H1-6	Close
		H1-7	Lamp
		H1-8	Auto-closing switch
		H1-9	Holiday mode switch
			,

SETTING	FUNCTION	PARAMETERS	DESCRIPTION
H2	B Button	H2-0	Function OFF (default setting)
		H2-1	Step by step Open/Stop/Close/Stop
		H2-2	Open/Stop/Close
		H2-3	Ped mode
		H2-4	0pen
		H2-5	Stop
		H2-6	Close
		H2-7	Lamp
		H2-8	Auto-closing switch
		H2-9	Holiday mode switch
Н3	C Button	H3-0	Function OFF (default setting)
		H3-1	Step by step Open/Stop/Close/Stop
		H3-2	Open/Stop/Close
		H3-3	Ped mode
		H3-4	0pen
		H3-5	Stop
		H3-6	Close
		H3-7	Lamp
		H3-8	Auto-closing switch
		H3-9	Holiday mode switch
H4	D Button	H4-0	Function OFF (default setting)
		H4-1	Step by step Open/Stop/Close/Stop
		H4-2	Open/Stop/Close
		H4-3	Ped mode
		H4-4	0pen
		H4-5	Stop
		H4-6	Close
	-	H4-7	Lamp
	_	H4-8	Auto-closing switch
		H4-9	Holiday mode switch
<b>J1</b> :	Skey terminal	J1-0	Function OFF
	-	J1-1	Double gate Open/Stop/Close/Stop
	-	J1-2	Single gate (default setting)Open/Stop/Close/Stop
	_	J1-3	Ped mode
		J1-4	0pen
		J1-5	Stop(N0)
		J1-6	Stop(NC)
		J1-7	Close
	_	J1-8	Lamp
		J1-9	Auto-closing switch
		J1-10	Holiday mode switch

SETTING	FUNCTION	PARAMETERS	DESCRIPTION
J2	Dkey terminal	J2-0	Function OFF
<i>,</i>		J2-1	Double gate (default setting)Open/Stop/Close/Stop
		J2-2	Single gate Open/Stop/Close/Stop
		J2-3	Ped mode
		J2-4	Open
		J2-5	Stop(NO)
		J2-6	Stop(NC)
		J2-7	Close
		J2-8	Lamp
		J2-9	Auto-closing switch
		J2-10	Holiday mode switch
J3	Stop terminal	J3-0	Function OFF
10	Stop terminal	J3-1	Double gate Open/Stop/Close/Stop
		J3-2	Single gate Open/Stop/Close/Stop
		J3-3	Ped mode
		J3-4	Open
		J3-5	Stop(N0) (default setting)
		J3-6	Stop(NC)
		J3-7	Close
		J3-8	Lamp
		J3-9	Auto-closing switch
		J3-10	Holiday mode switch
]4	SE terminal	J4-0	Function OFF(Default setting)
J4	oc aminar	J4-1	Movement is stopped , if the safety edge is triggered during closing
		J4-2	Movement is reversed for 2 sec , if the safety edge is triggered during closing
		J4-3	Movement is reversed to the end, if the safety edge is triggered during closing
U1	Return to the default setting ( Keep remote pairing & system learning memory)	U1	The parameters return to the default setting
U2	Return to the default setting ( Delete all memory)	U2	The parameters return to the default setting Delete all the remote pairing Delete all the system learning memory

When Ph2 is triggered, auto-closing stops untill the obstacle is removed.	When Ph1 is triggered, auto-closing stops untill the obstacle is removed.
When Ph2 is triggered, auto-closing stops untill the obstacle is removed.	When Ph1 is triggered, auto-closing stops untill the obstacle is removed.
No effect	No effect
No allowed to open	No allowed to open
When Ph2 is triggered, reverse to the fully open position. Auto-closing stops untill the obstacle is removed.	When Ph1 is triggered, reverse to the fully open position,auto-closing stops until the obstacle is removed.

CONDOMINIUM MODE

Ped button

No effect. Auto-closing countdown

No effect, Auto-closing countdown

No effect

Open to pedestrian open and start Auto-closing countdown

No effect

PH2

PH1

TRIGGER DEVICE

STATUS OF GATE

Stop in the middle

Gate fu**ll**y open

Opening phase

Gate fully close

Closing phase

Step by step button

Open till fully open and reload auto-closing time

Reload auto-closing time

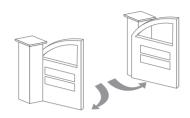
No effect

Open the gate untill it's fully open and start auto-closing countdown

Open the gate untill it's fully open and start auto-closing countdown

# **D9. OPERATION TIME ADJUSTING**

- The default setting is A1-1 which is time mode. With the time mode, the system doesn't have to run system learning. The motors operates as set operation time as parameter C5/C6/C7/C8.
- C5/C6 CONTROL THE OPERATION TIME FOR OPENING. PLEASE ADJUST TO FIND A SUITABLE VALUE FOR YOUR GATE.

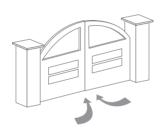


• C!

C5 motor 1 running time for opening 0-90 seconds Default setting 22 seconds C6

C6 motor 2 running time for opening 0-90 seconds Default setting 22 seconds

• C7/C8 CONTROL THE OPERATION TIME FOR CLOSING, PLEASE ADJUST TO FIND A SUITABLE VALUE FOR YOUR GATE.



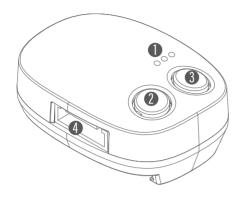
C7

C5 motor 1 running time for closing 0-90 seconds Default setting 24 seconds • C8

C6 motor 2 running time for closing 0-90 seconds Default setting 24 seconds

# E. SMARTPHONE CONTROL WITH EYEOPEN MOBILE APPLICATION

# E1.Wi-Fi/Bluetooth BOX



- 1 LED display
- 2 R button (press to restart)
- 3 P button
- 4 Terminals

## • LED INDICATORS

### Blue LED

The blue LED is an indicator of connection of Bluetooth.

The blue LED blinking indicates the WB3 is waiting for pairing.

The blue LED is **ON** when WB3 is connected to Bluetooth.

### Green LED

The green LED is an indicator of Wi-Fi signal.

The green LED blinking indicates weak Wi-Fi signal.

### Red LED

The red LED blinking indicates wrong operations or system errors. Please refer to FAO when the red LFD is **ON**.

### BUTTON AND FUNCTION

R button: A reset button

P button: A pairing button

To restore the default settings: Press and hold the P button for 5 seconds and press the R button once. The blue LED will flash to indicate that the reset is complete.

# **E2.Eyeopen SYSTEM**

Eyeopen is the App system on the smartphone provided by Powertech, allows you to operate your Powertech gate automations remotely through this App.

# E3. APPLY FOR A NEW ACCOUNT

- 1, Please scan the QR code and download Eyeopen.
- 2. Press sign up icon and press the agree icon to continue
- 3. Please type the following information for registration:
- a. Password (enter twice for verification)
- b. The password should have at least 1 English character and at least 8 characters/numbers in total.













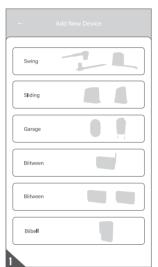




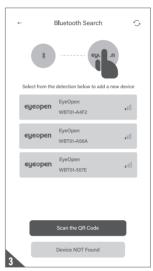
- 4. The system will send a link to your email when the registration succeeds
- 5. Please go to your email, and click the link to activate your account.
- 6. Please log in to your account.

# **E4. CONNECTING TO Eyeopen**

- 1. Please login your Eyeopen account. (Turn on the Bluetooth function of your smart phone.)
- 2. Tap the (+) icon to add a new device. Choose your product from the list.
- 3. Tap the Bluetooth icon and tap the device you are going to connect.
- 4. Set a PIN code twice and confirm.
- 5. Choose the device you are going to connect at available Eyeopen interface.
- 6. The device will start connecting.
- 7. After countdown, the device will show on the main page.





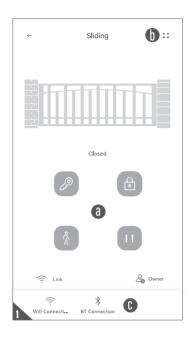


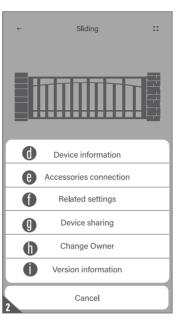


Please keep your PIN code for further usage. PIN code will be used when you 1. Login on the new smart phone / 2. Enter the parameter settings interface. / 3. Return to the factory default.

# **E5. OPERATION PAGE**

- 1. Open / Stop / Close / Pedestrian
- 2. Settings page





a. Operation button b. Setting page c. Wifi / Bluetooth icon d.Device information e.Accessories connection f.Related settings g.Device sharing h.Change Owner i.Version information

# **E6. RELATED SETTINGS - Wi-Fi SETTINGS**

- 1. Tap the Wi-Fi setting page to enter.
- 2. Select a new Wi-Fi . Tap confirm to start connection.
- Please make sure the password is correct.





# **E7. RELATED SETTINGS - PIN CODE SETTING**

- 1. Tap the PIN code setting to enter.
- 2, Enter current PIN code
- 2. Set a new PIN code and confirm.

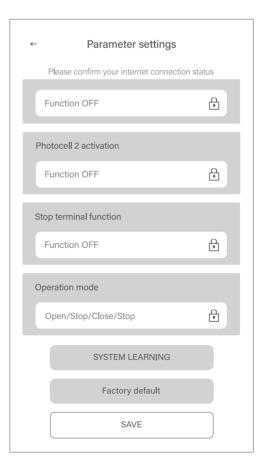






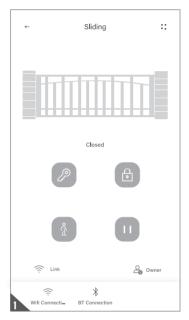
# **E8. RELATED SETTINGS - PARAMETER SETTINGS**

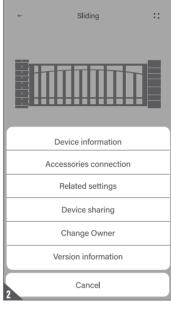
- 1. Tap the Parameter settings to enter.
- 2. Key in the PIN code
- 3. Change the parameter and save your changes.
- 4. Start the system learning via Eyeopen.

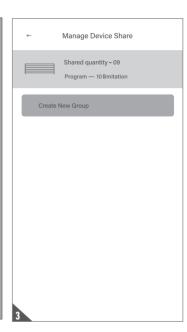


# **E9. OWNER SHARE DEVICE TO USERS**

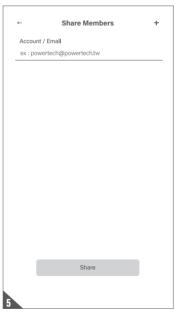
- 1. Tap the device on you main interface and enter the operation page.
- Tap the (::) icon to enter the setting page.
- 2. Tap the device sharing.
- 3. Tap the create new group.
- 4. Name your group and set a duration for this group.
- 5. Invite users by an Eyeopen account and tap share.
- 6.The group icon will show at the (Device sharing) page

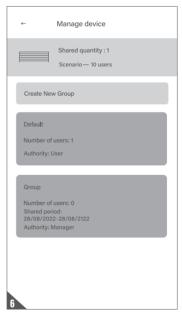








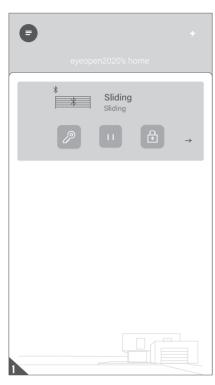


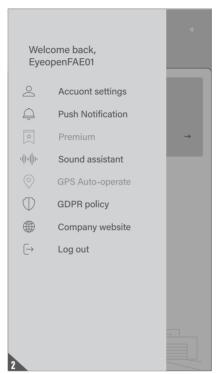


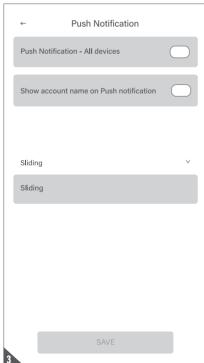
# **E10. PUSH NOTIFICATION**

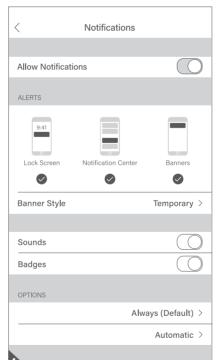
- 1. Press the icon on the upper left corner to enter the account management page.
- 2. Tap the push notification setting.
- 3. Turn **ON** the switches of the notification.

otin Please go to the settings page of your smartphone. Find Eyeopen and allow the notifications.









# E11. FAQ

# **Question 1**

The blue LED is **NOT** blinking when pairing.

# Answer 1



Press the P button of the Wi-Fi box.

# **Question 2**

Blue and green LED blinks alternatively when connecting to Eyeopen by the first user.

# **Answer 2**

Entering a wrong password to your Wi-Fi network.

# **Question 3**

Red LED blinks when connecting to Eyeopen by the first user.

# **Answer 3**

The Eyeopen cannot get a IP from the router. Please disconnect other device.

# **Question 4**

Red LED blinks when enter the PIN code,

# **Answer 4**

Entering the wrong PIN code. Please confirm the correct PIN code with the first user.

# **Question 5**

Green LED blinks.

# **Answer 5**

The Wi-Fi signal is weak, Please adjust the antenna of the Wi-Fi box or adding an Wi-Fi amplifier to enhance Wi-Fi signal,

# **Question 6**

Red LED on.

## **Answer 6**

Red LED on indicates a system error. Please return to the factory setting as mentioned below.

# **Question 7**

Return to the factory setting.

# Answer 7

Return to the factory setting is used when you lose your PIN code for sharing the device. After return to the factory setting, please follow the previous indications to reconnect Eyeopen. Slide the device icon on the main page and tap the (delete) icon.

Open the cover of your motor and get to the Wi-Fi box.

Press the P button for 5 seconds and press the R button once.

The blue LED of the Wi-Fi box is blinking which indicates the device has returned to the factory default.

Please refer to page 5 "C1 connecting to Eyeopen"



# **Question 8**

How should I change my PIN code.

# **Answer 8**

Enter the operation page of the device in EyeOpen Device Parameters) in the setting page Tap (Reset PIN).

# F. TECHNICAL SPECIFICATIONS

# • 230V

Model Name	PWA310(300)	PWA310(400)	PWA(310)600
Max gate length	3 meters	4 meters	5 meters
Max gate weight	300 kilos	400 kilos	500 kilos
Voltage	230VAC	230VAC	230VAC
Motor Speed (RPM)	1450	1450	1450
Stroke Length (mm)	300	400	600
Duty cycle	50%	50%	50%
No-load Speed (mm/s)	16	16	16
No-load Current	<b>≦</b> 1A	≦1A	≦1A
Rated Current	≦2A	≦2A	≦2A
Noise	≤ 55db	<b>≤</b> 55db	≤ 55db
Operating Temperature	-20°C+50°C	-20°C+50°C	-20°C+50°C
Waterproof	IP44	IP44	IP44

# • 120V

Model Name	PWA310(300)	PWA310(400)	PWA310(600)
Max gate length	3 meters	4 meters	5 meters
Max gate weight	300 kilos	400 kilos	500 kilos
Voltage	120VAC	120VAC	120VAC
Motor Speed (RPM)	1750	1750	1750
Stroke Length (mm)	300	400	600
Duty cycle	50%	50%	50%
No-load Speed (mm/s)	16	16	16
No-load Current	≤1.5A	≤1.5A	≤1.5A
Rated Current	<b>≦</b> 3A	<b>≦</b> 3A	<b>≤</b> 3A
Noise	≤55db	≤55db	≤55db
Operating Temperature	-20°C+50°C	-20°C+50°C	-20°C+50°C
Waterproof	IP44	IP44	IP44