If you have any questions, please email our technical team at

support@autohomation.com

Call for immediate assistance from our technical support team

1800-XXX-XXXX

Visit us at www.autohomation.com

INSTRUCTIONS

Congratulations on your purchase of the Multi-Controller, automatic sliding door opening system by AutoHomation. Read these instructions before commencing installation. Please follow the installation instructions carefully.

INTRODUCTION

This manual is designed for the installation and commissioning of sliding Door Operator Model, Multi-Controller. If you have any questions or queries in following this manual, please email us at:
support@autohomation.com
Or visit us at:
http://www.autohomation.com
Toll Free: 1300 AUTOHOMATION
US number, India number

WARRANTY

Multi-Controller is produced by AutoHomation and is subject to the following warranty and conditions of operation apply. The product is warranted against failure due to faulty material or workmanship for a period of 12 months from date of purchase. Such warranty will cover repair or replacement of any defective parts at AutoHomation premises and subjected to the following conditions, provided that,

- Multi-Controller is applied to sliding door strictly following instructions.
- Sliding door is free sliding within the limits of the trial load sliding door puller supplied.
- The Multi-Controller is for domestic use only.
- The warranty is limited to an amount totaling no more than unit cost price.
- Warranty Return shall be made via the retailer at the point of purchase and receipt of sale provided.

WARRANTY APPLICABILITY

This warranty shall be null and void and to no affect if:

- Multi-Controller is abused or in any way used outside the limits of the specification anddesign,
- The electric wiring has been interfered with and is not wired in accordance with the original factory settings.
- If defects are caused by fair wear and tear,
- If purchaser alters Multi-Controller, adds or removes and parts or materials from the unit.
- Fails to notify AutoHomation immediately if there is a failure of any component.
- Delivery of all items to and from AutoHomation will be at the purchaser's expense.
- The purchaser will be responsible for inspecting the package to ensure that the package is complete and not damaged, and all parts are present.
- The buyer shall immediately notify in writing for any defect in the goods.
- The purchaser expressly acknowledges and agrees that AutoHomation is not liable for any external advice in relation to the suitability of the product or its application to certain doors and such advice is relied upon at the purchaser's risk,
- The buyer shall not carry out any remedial work to the alleged defective goods without first obtaining the written consent and instruction from AutoHomation.
- The warranty on the battery is (whatever the original manufacturer gives in warranty).

CONTENTS

PARTS INTRODUCTION

Cover

Drive unit

Motor Controller Belt connector Belt Idler pulley

Wall mounting wireless push button

Power pack

Mounting bracket

Screws

3mm Allen key

6 key remote (optional)

Wireless sensor （optional）

Wired sensor (optional)

TOOLS REQUIRED

1. No. 2 flat head screwdriver
2. Cross head screwdriver
3. Marking pencil
4. Measuring Tape
5. Small flat blade screw-driver
6. Hack saw
7. Utility knife
8. Drill/Driver

ABOUT MULTI-CONTROLLER

Multi-Controller, an automatic door opener for sliding door, is inbuilt with an effective controller that enables the smooth movement of the door with a belt and drive mechanism.

Multi-Controller is engineered to perform with less noise and with programmable variable speeds.

HIGHLIGHTS

- Easy to install for without changing existing door structure
- Sleek and Compact design
- Comes with Sensors, Remote Control, Push button, Pet Switch, Photocell, Card Reader, Lock and so on.

APPLICABILITY

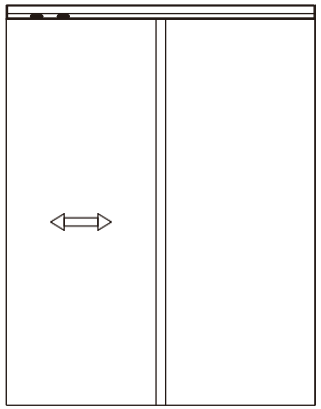
Sliding Glass Door/UPVC/Aluminum Door / Sliding Glass Window /French Window

TECHNICAL PARAMETERS

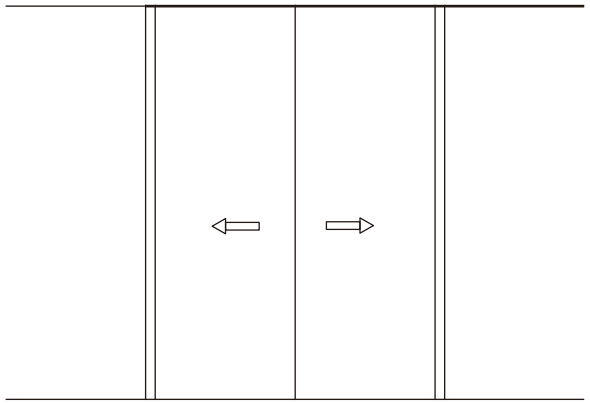
Power Supply	Input: 100-240V; Output: 24V DC
Maximum Door Weight	176.3 lbs / 80 Kg
Maximum Door Width	16.4 ft/ 5 m
Standard Track	7.2 ft /2.2 m, length can be customized
Color	White / Black
Length of track	7.2 ft /2.2 m per piece
Product Weight	6.6 lbs / 3 kg
Product Measurement	8.6 in x 2.8in x 2.5in / 220 mm x 72mm x 63mm

INSTALLATION

Single open



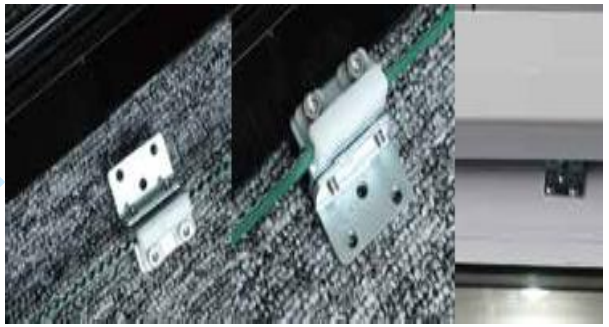
Double open



APPLICATION OF MOUNTING BRACKET

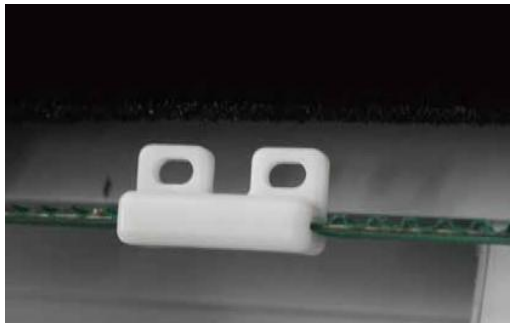
Installation of Belt Connector

Two install methods of belt connector are detailed. Default installation is Method 1.

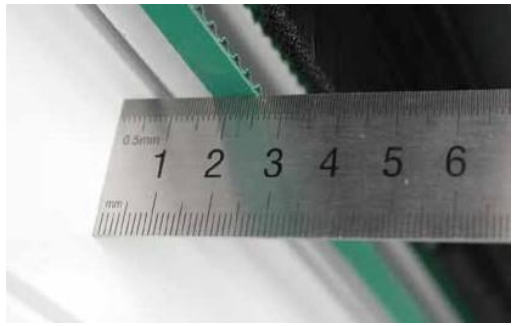


Move the operator to ensure the belt connector is fixed well and Tighten the door leaf.

Remove the metal part from belt connector.



Move the operator to ensure the distance between the door leaf and belt is around 0.5in/17 mm.



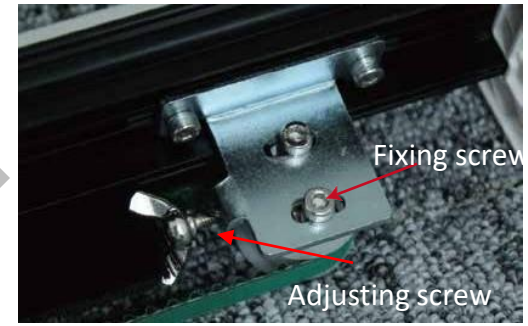
AUTO HOMATION

CONTROLLER INSTALLATION METHOD 1（USE BRACKET)

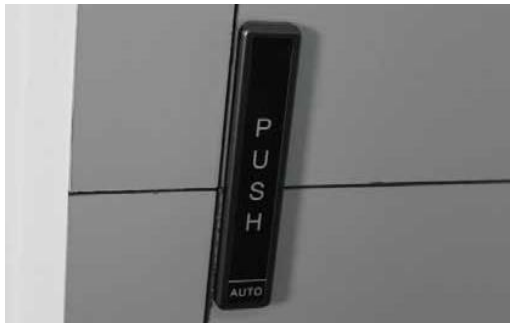
Tighten the screw on the install plate.

Move the belt connector to the middle of the door leaf, Connect the door with belt connector.

Loosen the fix screw, adjust the belt tension by tightening the adjustment screw clockwise.



Install the wireless push button according to required position.



Full view after installation.

Power on and adjust the operator

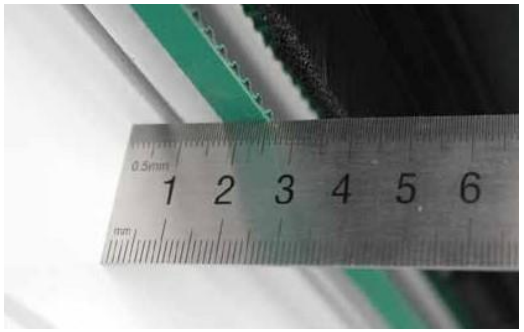
AUTO HOMATION

Place the cover after adjustment and testing.

CONTROLLER INSTALLATION METHOD 2 (TOP MOUNTING)

Position the controller on top of the door, leaving 5cm on left side. Right side of the controller would be close to the door.

The distance between belt and door leaf should be around 0.5in/17mm.



Tighten the screw after install position is confirmed.

Move the belt connector to the middle of door leaf and ensure horizontal and firm position, Tighten the screw.

Power on and adjust the operator.
Place the cover after adjustment and testing.

ADJUSTING THE CONTROLS AND PROGRAMMING SENSORS

Checking for the Controller settings:

a. Plug the power pack into the wall socket, run the cable and plug into Multi-Controller unit . Refer applicable power plugs below:


TYPE G (UK) PLUG


TYPE I (AU) PLUG


TYPE A (US) PLUG


TYPE C (EU) PLUG

b. The main isolator switch is located on the side of the controller.

c. The 'open time' control sets the time the door will stay open for when in the 'auto' or 'pet' mode – the dwell time.

d. Configure wireless control devices: (Note: Following will be applicable, only when the door is powered on and operational)

   i. Press the 'Remote learn' button, and release, the red light should illuminate once the button is released.

   ii. Wave your hand in front of each of the sensors, and/or push the buttons on the remote control.

   iii. The light will go out when the Multi-Controller has learnt each sensor.

   iv. To clear all 'learnt' devices press and hold the learn button for 5 seconds.

b. The desired mode is selected by successive presses of the Mode button, to the right of the LED display. The modes will cycle in the order shown above (although the pet mode will be omitted if no pet opening width has been set). The selected mode will engage after a short delay.

DIP FUNCTION INTRODUCTION AND SETTING

DIP Switch	ON (back)	OFF (forward)
1. Direction	ON – Left opening, OFF – Right opening. Toggle (back and forth) to erase memory and re-learn open/close cycle. Lights will blink and system will self-calibrate again	
2. Toggle mode	Activate to open/close	Normal Mode
3. Beeper ☆	Beeper enabled	Beeper disabled
4. Door/Window Mode	Window Mode	Door Mode
5. Lock Mode	Automatic Lock after fully closed	Lock only with full lock signal.
7. Slam Shut	Helps overcome weather seals, with rubber	Normal operation

DIP Switch 1 and 4 must be power off and restart can switch mode.

☆ This dip switch can only turn off the voice of remote. If needed turn off the voice of wireless push button, it should press learning button, then switch on or off.

Pet mode to half open mode:

Turn to close signal (A)		Turn to open signal (B)	
Photocell	○ ○	Outside	○ ○
Inside	○ ○	Pet	○ ○

Active any terminal of A and B at same time, will work active to open or active to close. (Attention: Must be one terminal from A and B active at same time)

Learning Process:
Turn on the power switch, ensure dip 1 is correct, if direction is wrong. Please switch the dip to opposite direction, turn off the power and make sure door/window is fully closed. Then, power on.

Opening width learning (pet):
Pet mode indicator will flash, door will start to open slowly. Have an obstacle at the position you need, after short pause, door will close slowly. The learning process will be done after the door/window is fully closed, standard opening width learning.

All Mode indicator flash, door:
Will open and close slowly. When the door is fully closed, automatic mode indicator flashes, indicating the learning process is done. Controller is with memory of opening width

SETTING PET OPENING WIDTH

a. Toggle DIP switch for pet learn.
b. The door will begin to close slowly. If the door is already closed there will be a short delay.
c. After a short delay, the door will begin to open slowly. When the door reaches the desired pet opening width stop the door preferably with your foot. **Be careful to not get** anything caught in the opening door!
d. After a short delay, the door will begin too slowly close. Once fully closed the Multi-Controller Lock will return to Automatic mode, indicated by a green LED on the display, and pet options will be available.
e. Test the pet opening width by pressing the 'pet sensor' button. If the width is incorrect then return to step 'a'.

Congratulations, you should now have a fully functioning Multi-Controller automatic door!!

OPERATING MODES

Once the door is operating correctly the desired mode can be selected:. There are five modes available:

- Automatic mode (green LED) – the door will open when a sensor is triggered and close after the preset dwell time has elapsed.
- Hold open mode (Blue LED) –door will open and remain open until another mode is selected.
- Lock mode: door will close and remain closed until another mode is selected through remote system, if an e-Lock is connected.
- Pet mode (Yellow LED) –Will open the door to the pet opening width when pet sensor is triggered and close after the preset dwell time has elapsed.
- Manual mode: the door can be manually operated; the system will not drive the door.
- This option is for function select.

- Once the settings are confirmed the drive unit can be powered on. Switch the main isolator switch on the left side of the controller to the down (on) position. **Caution: the door will begin to move without warning!**
- After a short delay, the LED display will begin to flash, and door will begin close slowly. If the door starts to open when first powered up, turn dip switch 1 to the opposite position (leave power on), the door will then change direction to the closing position.
- During self calibration process, once the door has fully closed, the door will then slowly slide to the open position, then close slowly back to the closed position with a small increase in speed. The door will then open in a fast speed once, then closed. Once the lights on the control panel stop blinking and turns on solid

green, learn cycle is successful. The Multi-Controller has now memorized the width of the door opening, the weight and friction of your door while sliding. And now knows the individual power to operate your door smoothly and reliable. Your Multi-controller is now ready to be used.

SPEED ADJUSTMENT

Adjustment of Speed:
Opening Speed: 0.4in to 1.6in/second / 10 to 41 cm/second
Closing Speed: 0.5in to 0.8in/second / 12 to 22 cm/second

Slam Mode:
Opening Speed under 80%, Open and Close speed is same.
Opening Speed higher than 80%, Closing speed is half of opening.

Without rubber:
Opening Speed lower than 50%, Open and Close speed is same.
Opening Speed higher than 50%, Closing speed is half of opening.

Opening time: 0 to 20 seconds (Adjustable)
Learning button: Learning button of remote or wireless push button, added and delete remote process
Learning LED: Remote Learning Indicator

SETTING OF WIRELESS PUSH BUTTON

Add:

Press the learning button for few seconds till the indicator turns blue, then press any button of the remote, learning is done after indicator flashes 3 times.

Delete:

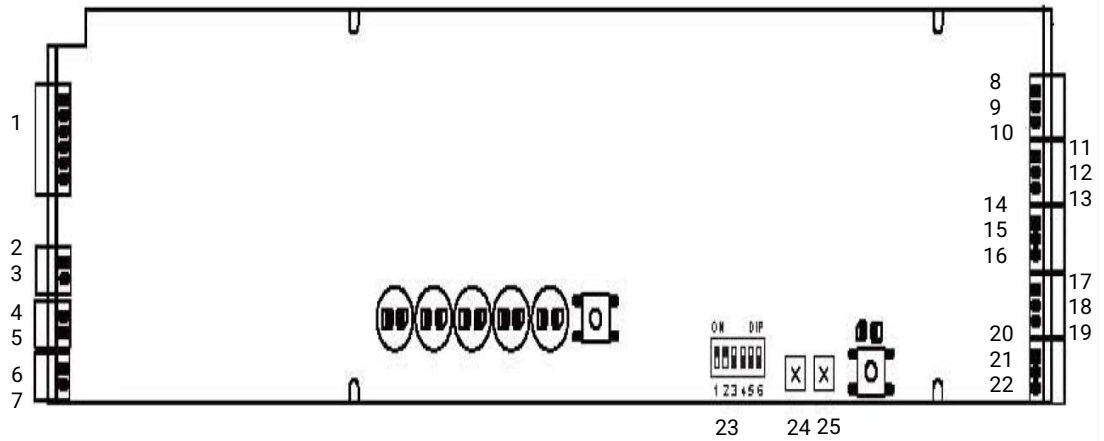
Press learning button for few seconds till the indicator turns blue, after the indicator flashes 3 times, all remote learning is deleted.

Please verify carefully the DIP switching selection is same as during learning process.

POWER CUT MEMORY FUNCTION

All settings will be saved when the power goes off. Door will be closed slowly, if it is open. Once the power is on, the Multi-Controller resumes normal working (the working mode is same selection before power off).

TERMINAL INTRODUCTION



1.Motor Terminal
2. DC24V
3. GND
4. UPS +
5. UPS -
6. E-Lock -
7. E-Lock +
8. Function select Signal terminal
9. DC13V +
10. GND
11. Photocell
12. DC13V +
13. GND
14. Inside Sensor
15. DC13V +
16. GND
17. Outside Sensor
18. DC13V +
19. GND
20. Pet signal terminal
21. DC13V+
22. GND
23. Function Select DIP Switch
24. Open Speed Adjustment Knob
25. Opening Time Adjustment Knob

TROUBLESHOOTING

SYMPTOM: Door does not open fully after learn cycle.

CAUSE**:** Incomplete learn cycle.

SOLUTION**:** Remove the external cover (if already fitted). Turn the Multi-Controller off at the controller switch. Close the door manually. Turn Multi-Controller back on with the controller switch. Test again after the learn cycle has completed. Refit external cover.

SYMPTOM: Door does not open fully and automatically reopens after every 'close' cycle.

CAUSE**:** Gear and rack is not set properly

SOLUTION**:** Check the engagement of the gears and adjust if necessary. Remove the external cover (if already fitted). Turn the Multi-Controller off at the controller switch. Close the door manually. Turn the Multi-Controller back on at the controller switch. Test again after the learn cycle has completed. Refit external cover.

SYMPTOM: Door cannot fully open and close.

CAUSE**:** Resistance between controller and door

SOLUTION**:** Turn on DIP switch 5 or 6 to increase the power output.

SYMPTOM: Door cannot overcome the starting friction.

CAUSE 1**:** Door lock/catch is engaged.

SOLUTION 1: Multi-Controller will only operate when the door is unlocked. Release the door lock and try again.

CAUSE 2: Heavy weather seals or excess friction in the door.

SOLUTION 2: Investigate excessive door friction and/or turn on DIP switch 2 to increase Multi-Controller starting power.

SYMPTOM: Door opens at random.

CAUSE 1: Interference on the radio control frequency.

SOLUTION 1: Remove the external cover. Press and hold the 'learn' button on the controller for 5 sec. until the red light illuminates, to clear all previously learned remotes. Press and release the 'learn' button on the controller and operate each of the door remote controls/button/sensor one at a time.

CAUSE 2: Active IR sensors are set to too high a sensitivity.

SOLUTION 2: Remove the sensor covers and reduce the sensitivity setting dial slightly, replace the covers and test. Re-adjust if necessary.

SYMPTOM: Door tries to open but does not.

CAUSE: Door is locked by E-Lock.

SOLUTION: Check the engagement of the gears and adjust if necessary. Remove the external cover (if already fitted). Turn the Multi-Controller off at the controller switch. Close the door manually. Turn the Multi-Controller back on at the controller switch. Test again after the learn cycle has completed. Refit external cover.

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1800-222-5555