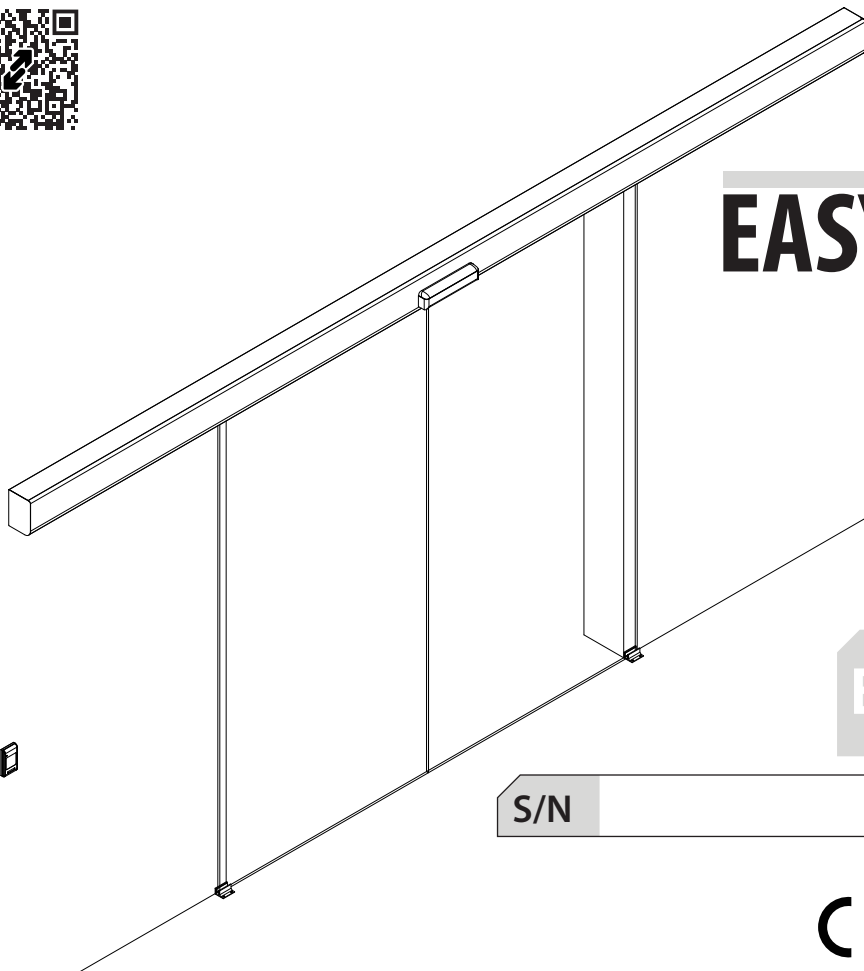




AUTOMATIC GLASS SLIDING DOOR OPERATOR

USER'S AND INSTALLER'S MANUAL

v20251023



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.



The data described in this handbook are purely a guide. Move Automation reserves the right to change them in any moment. The manufacturer reserves the right to modify or improve products without prior notice. Any inaccuracies or errors found in this handbook will be corrected in the next edition.

When opening the packing please check that the product is intact. Please recycle materials in compliance with current regulations.

This product may only be installed by a qualified fitter. Move Automation declines all liability for damage to property and/or personal injury deriving from the incorrect installation of the system or its non-compliance with current law (see Machinery Directive).

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GENERAL WARNINGS

Important: Read carefully this manual before the installation. This manual is integral part of your product, keep it for reference.



. Installation of automatic door should be entrusted to professional installer personal according to local law.

SAFETY PRECAUTIONS



- . Installation and adjustment must be carried out according to the Installation Manual.
- . Carelessness in installation and adjustment will lead to such accidents as fire, electric shocks or fall off.
- . During the installation never allow the pedestrians to pass through the automatic door or approach the work site.
- . Because any tools or parts falling off during the installation will cause injury to the pedestrians.
- . Never remodel the parts, otherwise fire, electric shocks or fall will occur.
- . Never use the power beyond the stipulated voltage or frequency, otherwise fire or electric shocks will occur.
- . The sensor should be set and adjusted to make sure that the opening area of the door will fully fall into the range of sensor detection without any blind area. If the detecting range is too small or having blind area, the pedestrians will be collided or squeezed by the door, causing injury.
- . Do fix up photocell to ensure the detecting range for the walking area of the door leaf, otherwise the pedestrians will be collided or squeezed by the door leaf, causing injury.
- . Never use the door in a place subject to dampness, vibration or corrosive gas, otherwise it will cause such accidents as fire, electric shocks or fall.
- . Make sure that a space of over 30mm should be available when the door is opened, otherwise your fingers may be squeezed by the door leaf and upright column, causing injury.
- . Never cut off power when the door is in operation, otherwise it will cause injury of the pedestrians.
- . Please use sticker on door leaves. If not, it will cause injury to the passer-by who has lost sight of the door leaf.
- . Never install an electric device with a capacity of >DC24V 300mA to the controller, otherwise it will cause fire.

OTHER PRECAUTIONS

Never use a door leaf that exceeds the specified weight, otherwise it will cause failure.

For selection of batteries

- Please use them after charging for 24 hours.
- The service life of batteries lasts for 2-3 years at an ambient temperature of 0°C ~ -40 °C. Excessive temperature will shorten the service life of batteries.
- If after charging 24 hours the battery still doesn't work, it shows the service life has expired. Replace it immediately.
- Check batteries each half year.

For selection of electronic lock

- Never use it in an environment with a temperature higher than 0°C ~ -40°C, otherwise it will cause malfunction.
- Use our electronic lock with special installation brackets. If you are not using our lock, please make sure the quality of the lock, otherwise you may cause damage.



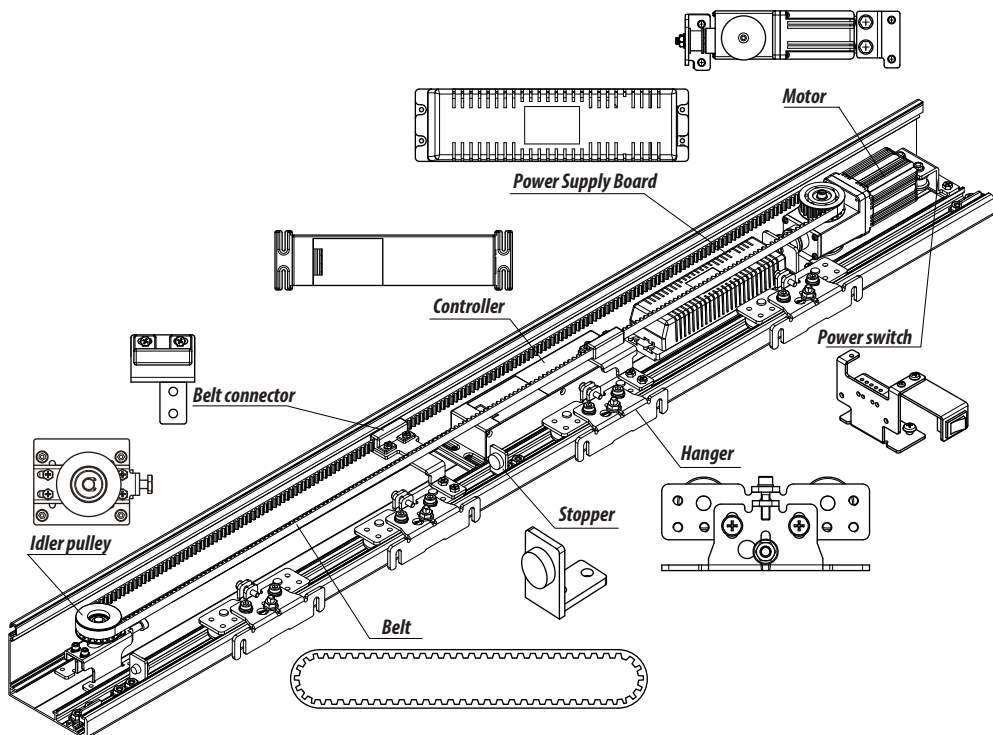
The crossed-out bin symbol, on the label on the appliance, indicates the compliance of this product with the regulations regarding waste electrical and electronic equipment. Abandonment in the environment of the equipment or illegal disposal of the equipment is punishable by law.



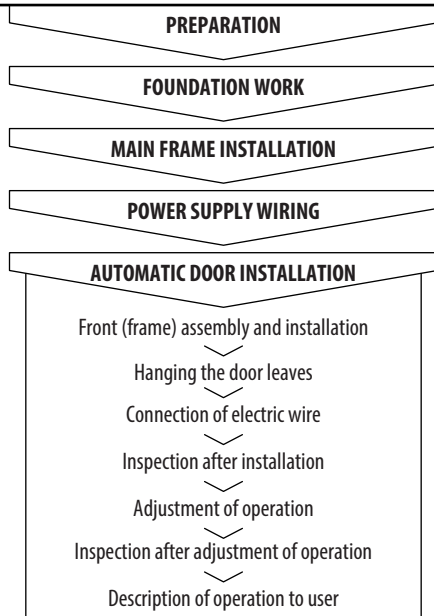
- *Intelligent micro control and precision machinery manufacturing.*
- *Smart self-learning system.*
- *Double track and rubber design, low noise, open and close smoothly.*
- *Brushless DC motor, long working life, and power strong.*
- *Lithium battery (UPS) included, in case of power outage the door continues to work.*
- *Special track and hanger design to make safe working.*
- *Various terminal, work with access keypad, photocell, UPS, interlock, function switch, and so on.*

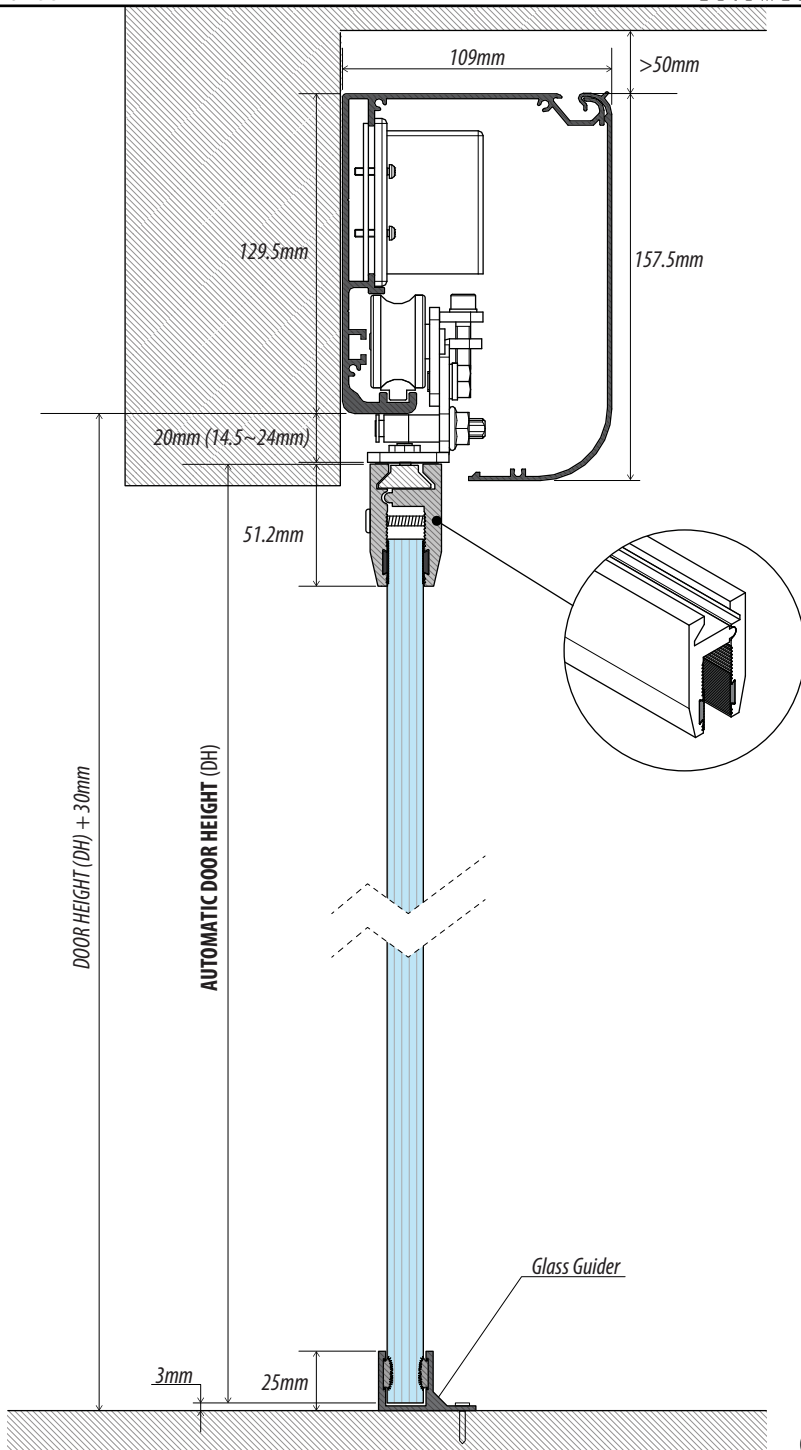
 TECHNICAL CHARACTERISTICS

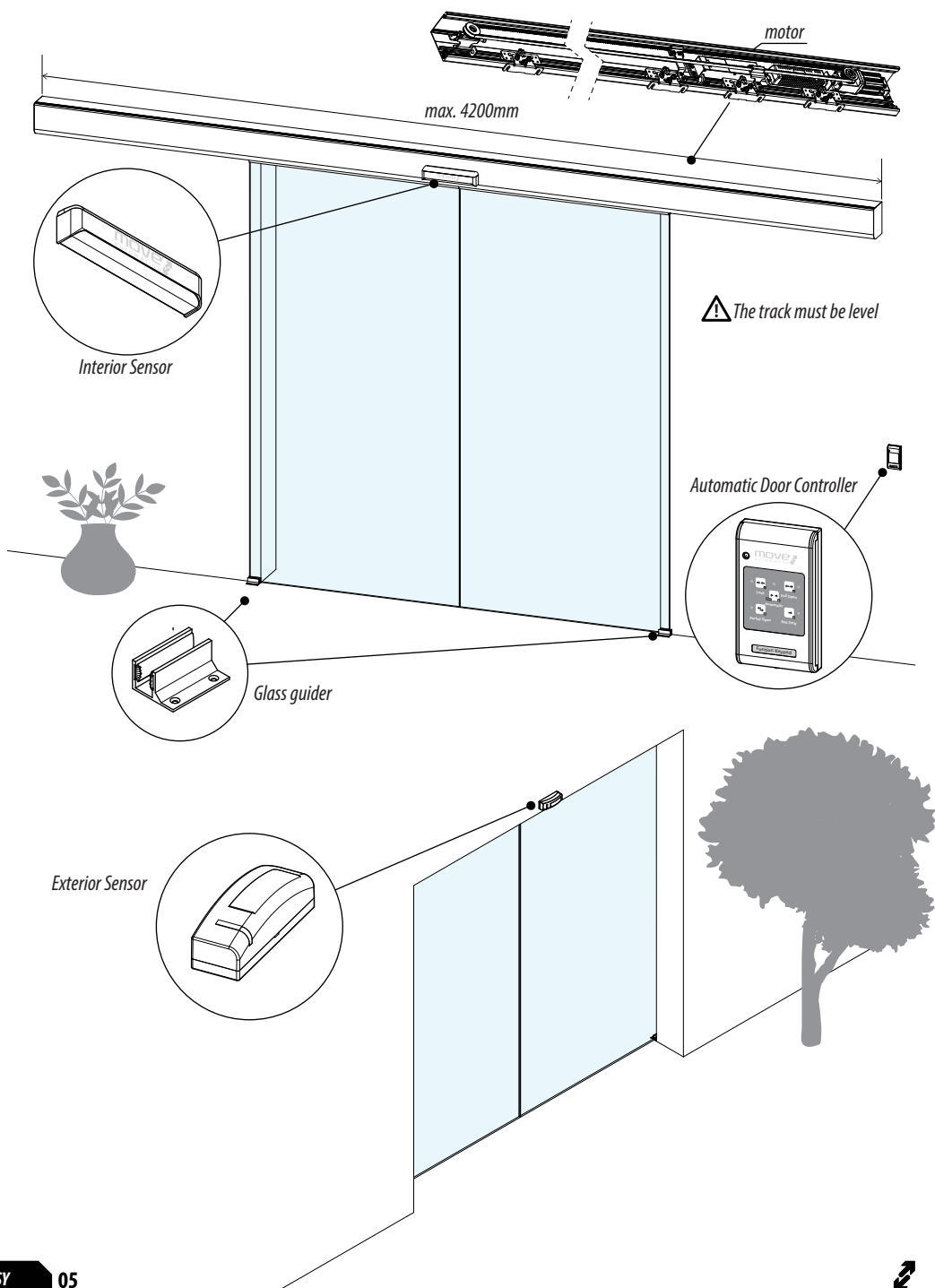
DOOR LEAF MODE	<i>Single-open</i>	<i>Double-open</i>
DOOR LEAF WEIGHT	<i>MAX 130KG</i>	<i>MAX 2*120Kg</i>
DOOR LEAF WIDTH	<i>DW=400~2000mm</i>	<i>DW=400~1200mm</i>
VOLTAGE	<i>AC90V-240V 50-60Hz</i>	
OPENING SPEED	<i>15-55cm/s (adjustable)</i>	
CLOSING SPEED	<i>15-55cm/s (adjustable)</i>	
OPENING TIME	<i>0-20sec (adjustable)</i>	
MANUAL OPEN FORCE	<i><40N</i>	<i><50N</i>
MOTOR	<i>DC24V 100W 3000rpm</i>	
OPERATING TEMPERATURE	<i>-10°C~+70°C</i>	

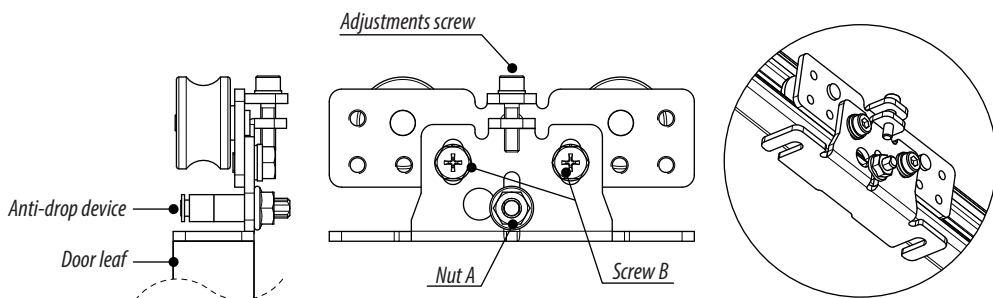


INSTALLATION PROCESS





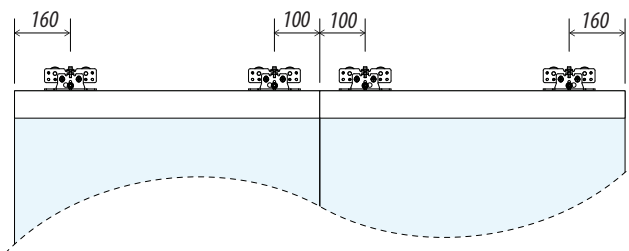




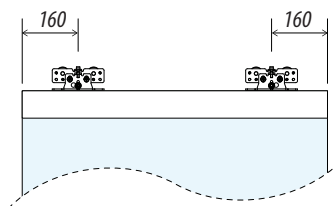
1. loosen nut A of hanger, take off anti-drop device from hanger.
2. Use Hanger bolt (M8*20), fix the door leaf in suitable position (see positioning scheme).
3. Hang the door leaf onto track
4. Loosen screw B of hanger, Moving door leaf to ensure smoothly working, then tighten Screw B.
5. Put the anti-drop device back to hanger again and tighten it.
6. While hang the door leaf to the rail. Please install the anti-drop device before adjusting the height of door leaf.

HANGER POSITIONING

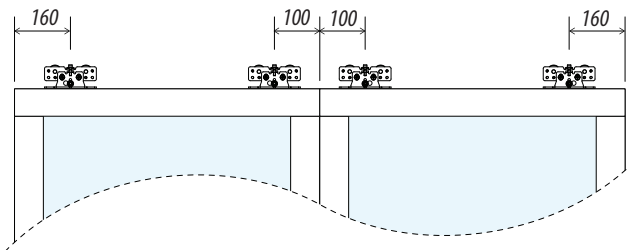
FRAMELESS DOOR / DOUBLE OPENING



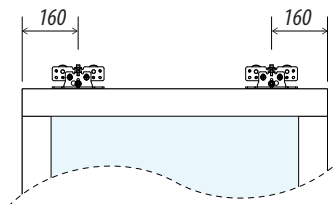
FRAMELESS DOOR / SINGLE OPENING



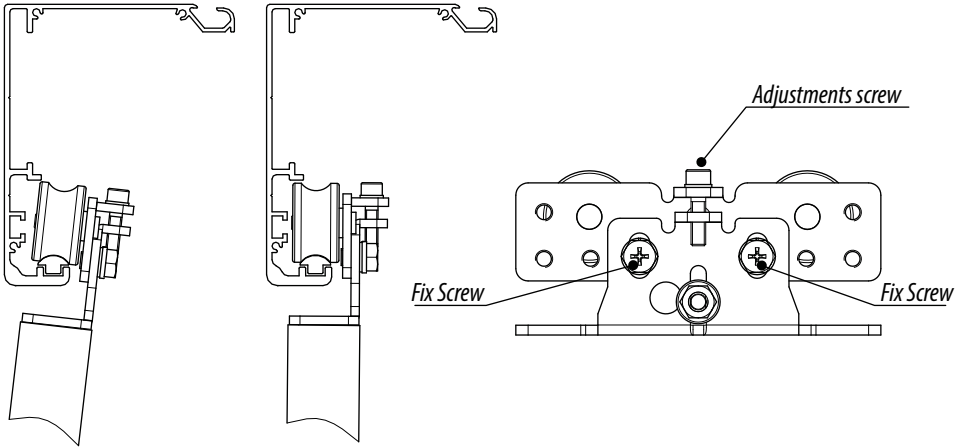
FRAME DOOR / DOUBLE OPENING



FRAME DOOR / SINGLE OPENING



⚠ In installation the pulley center of the hanger should be in full parallel with the door leaf. If not, the service life of the pulley will be shortened.



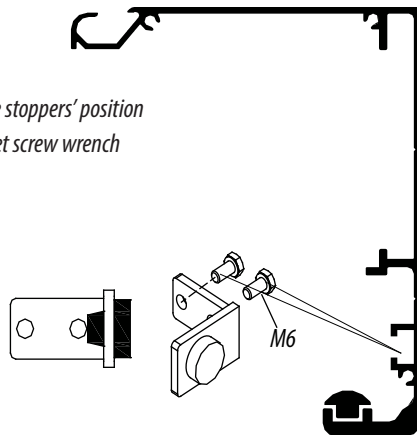
1. Lean the door leaf onto the rail, then make sure the door leaf is straight.
2. Loosen the fix screws of hanger
3. Adjust the leaf height by adjustment screw Turn Clockwise, the door will ascend Turn Counterclockwise, the door will descend
4. Tighten the nut that fixes the hanger
5. Slowly test the movement of the door leaf, tighten the screw after confirmation that the wheel of hanger is working properly.
6. Confirm the resistance during the operation.

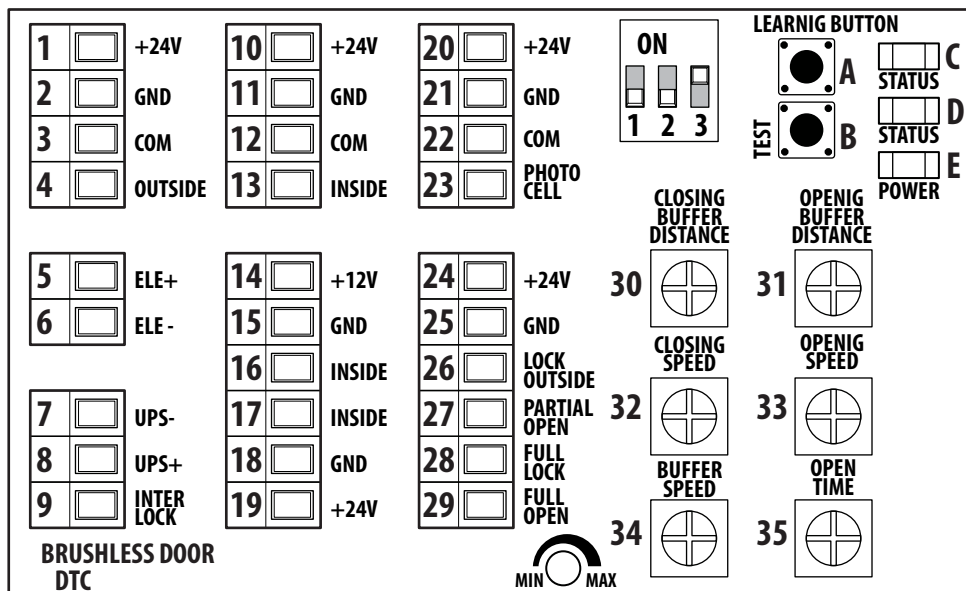
If the door leaf is hard to move, you should check the following items to solve the problem

- (1) Hanger is mounted vertically on the leaf
- (2) Any friction between hanger and rail
- (3) Any friction between door leaf and frame (make sure tighten the screw)

INSTALLATION OF STOPPER

1. Loosen the mounting screw of the stopper
2. Put the stopper inside the rail
3. Find out the open and close position, and confirm the stoppers' position
4. The mounting bolts are tightened firmly with a socket screw wrench





1 +24V	10 +24V	20 +24V
2 GND	11 GND	21 GND
3 COM	12 COM	22 COM
4 OUTSIDE SENSOR	13 INSIDE SENSOR	23 PHOTOCCELL
5 ELECTRIC LOCK+	14 +12V	24 +24V
6 ELECTRIC LOCK -	15 GND	25 GND
7 UPS-	16 INSIDE SENSOR	26 EXIT ONLY
8 UPS+	17 INSIDE SENSOR	27 HALF OPEN
9 INTERLOCK	18 GND	28 FULL LOCK
	19 +24V	29 FULL OPEN

BUTTONS

A Remote learning button	
B TEST Button	

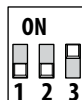
KNOB SWITCHES



- 30 BUFFER DISTANCE WHEN CLOSING** Turning counterclockwise will reduce close buffer distance while clockwise will increase distance.
- 31 BUFFER DISTANCE WHEN OPENING** Turning counterclockwise will reduce open buffer distance while clockwise will increase distance.
- 32 CLOSING SPEED** Turning counterclockwise will reduce Close speed while clockwise will increase speed.
- 33 OPENING SPEED** Turning counterclockwise will reduce Open speed while clockwise will increase Speed.
- 34 BUFFER SPEED** Turning counterclockwise will reduce buffer speed while clockwise will increase Speed.
- 34 OPENING TIME (0~20sec)** Turning counterclockwise will reduce Open time while clockwise will increase time.

DIP SWITCHES

- 1 LEFT/RIGHT SWITCH**
- DOWN - LEFT
- UP - RIGHT
- 2 LOCK SWITCH**
- DOWN - Lock by signal
- UP - Lock Automatically everytime
- 3 OPERATING SWITCH**
- DOWN - Toggle operating (active opening and active closing)
- UP - Normal operating (active opening and automatic closing)





LED LIGHTS

C Working status indicator	☐
D Remote setting indicator	☐
E Power indicator	☐

INFORMATION FEEDBACK

Travel distance setting mode - 1 second on, 1 second off

Normal mode- 3 seconds on -3 seconds off

Overcurrent- flash one time quickly within 5 seconds

Motor hall signal error _flash two times Continuously within 5seconds

Lock block the door _flash three times Continuously within 5seconds

TRAVEL DISTANCE SETTING

Power off and restart the system, door will close slowly, controller indicator 1 second on, 1 second off.

When controller receive open signal, Door will open and close one time to set travel distance. After setting, indicator 3 seconds on 3 seconds off, door is in normal mode.

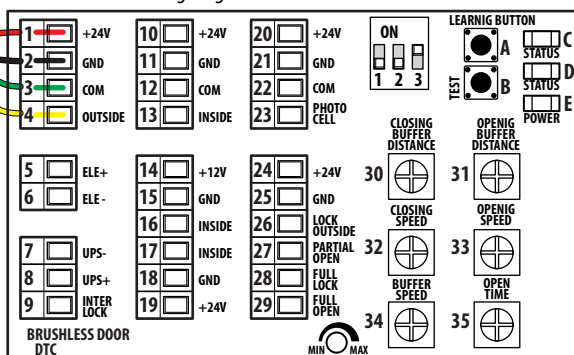
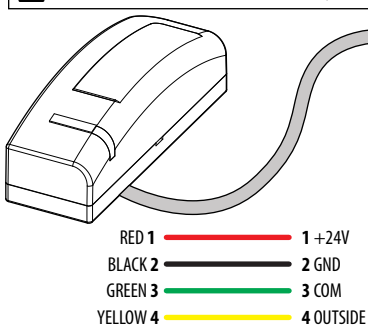
COLLISION (Close)

When door meet Obstacle open and close 3 time, Door will stop at the position of obstacle, remove the obstacle, after controller receive open signal, door will open close one time and resume working.

CONNECTION OF EXTERIOR SENSOR

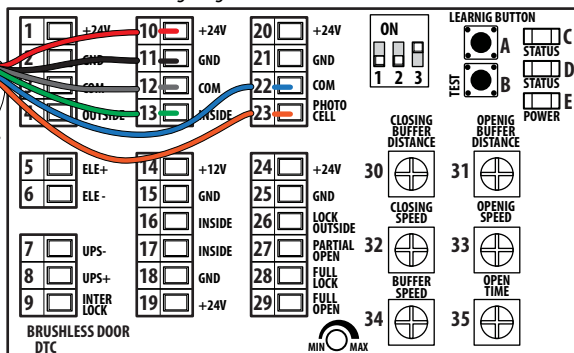
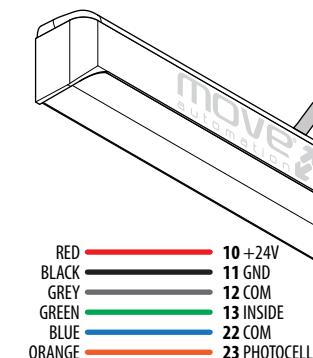
The sensor should be installed at the center of the door leaf. The max installing height of sensor is 3m.

Caution: all connections should be conducted under the power off.



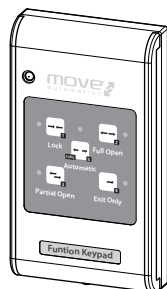
CONNECTION OF INTERIOR SENSOR WITH PHOTOCELL

The sensor should be installed at the center of the door leaf. The max installing height of sensor is 3m.

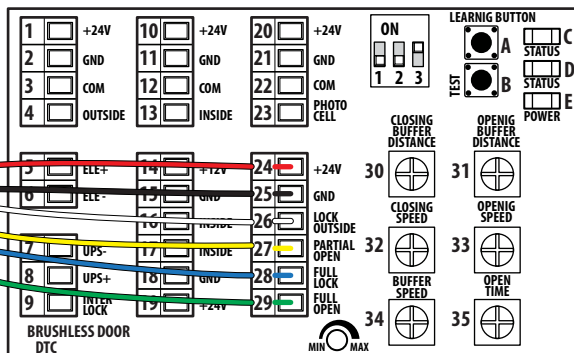


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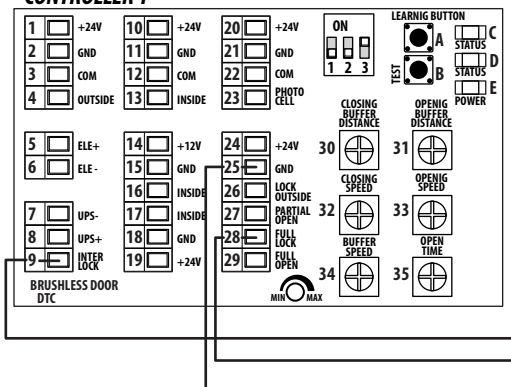
- RED DC+ — 24 +24V
- BLACK DC- — 25 GND
- BLUE 1 — 28 FULL LOCK
- GREEN 2 — 29 FULL OPEN / INSIDE SENSOR
- YELLOW 3 — 27 PARTIAL OPEN
- WHITE 4 — 26 LOCK OUTSIDE / EXIT ONLY



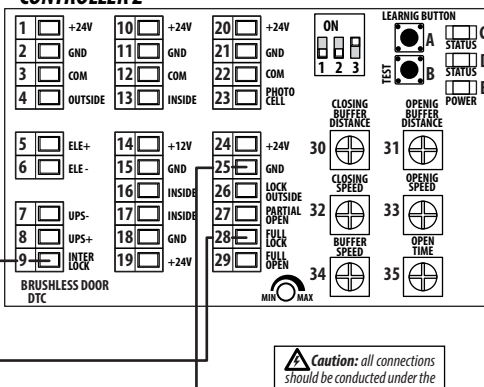
Caution: all connections should be conducted under the power off.

➤ CONNECTION OF INTERLOCK

CONTROLLER 1



CONTROLLER 2

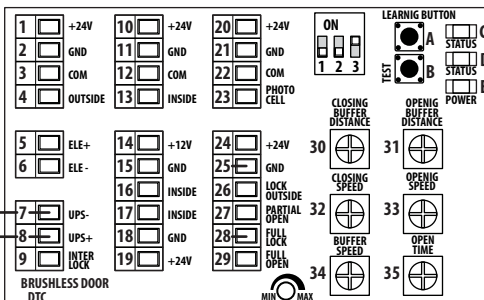
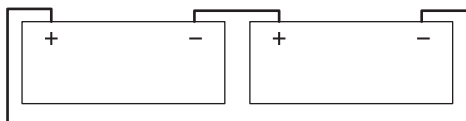


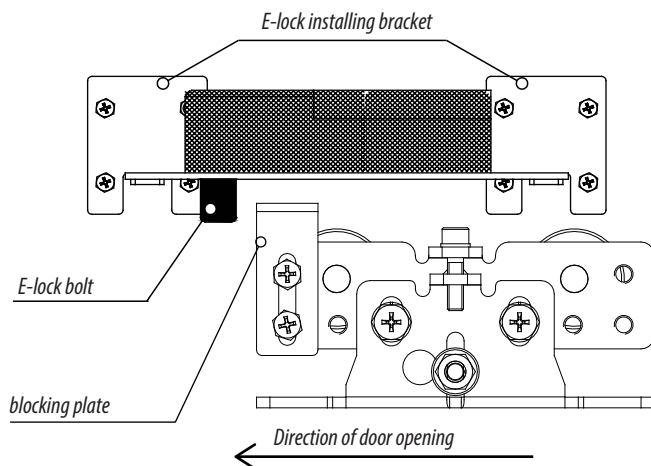
Caution: all connections should be conducted under the power off.

➤ CONNECTION OF UPS

The controller can charge the battery by itself when power supply is on.

Caution: all connections should be conducted under the power off.





1. Connect the electronic lock with the E-lock installing bracket.

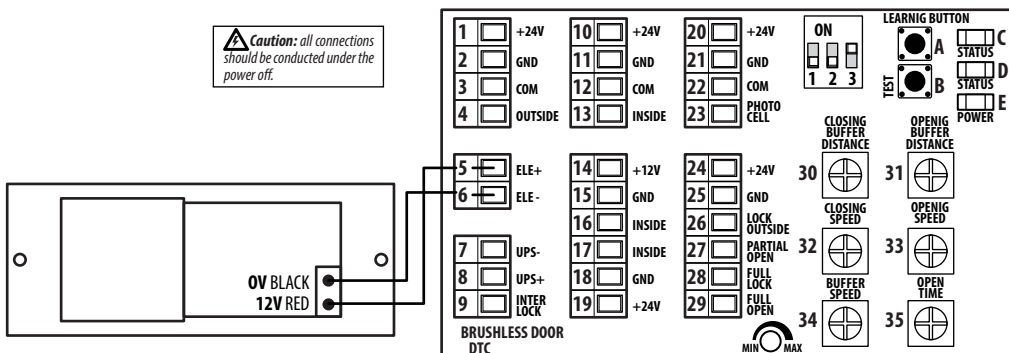
2. Insert the E-lock installing bracket.

3. Connect the magnet holder with the hanger.

4. Adjust the position of the electronic lock to make the distance between E-lock and magnet holder max 5mm, then tighten.

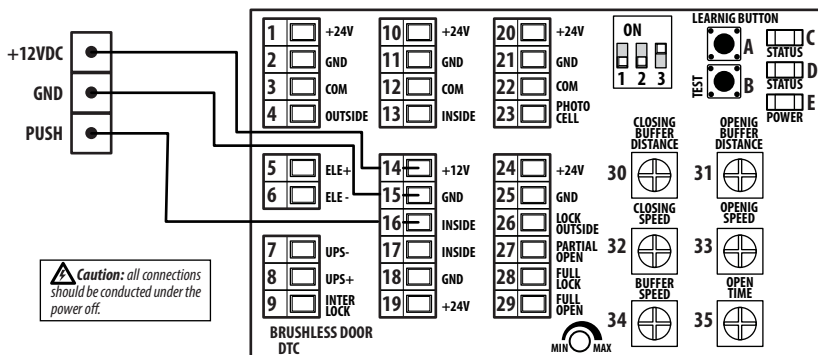
Caution: the position of hanger is the position when door closed

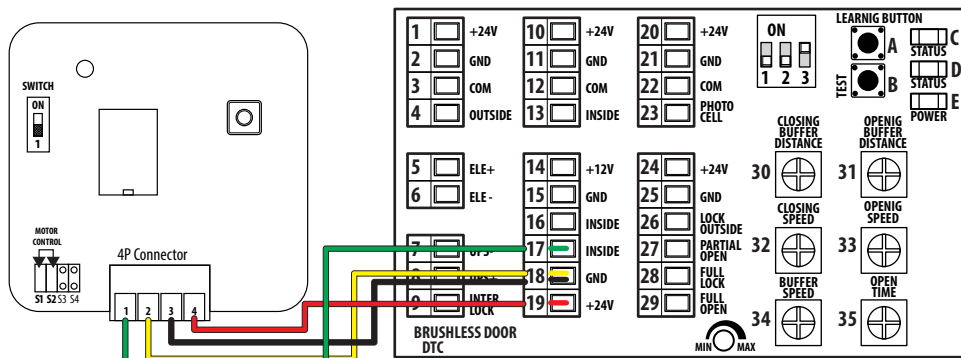
Caution: all connections should be conducted under the power off.



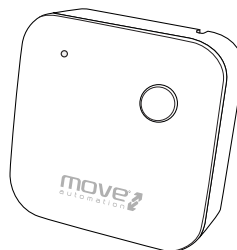
CONNECTION OF ACCESS KEYPAD

When connect the access keypad should pay attention of positive and negative poles.



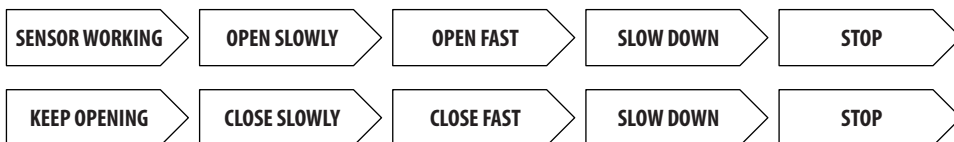


- GREEN 1 — 10 +24V
- YELLOW 2 — 11 GND
- BLACK 3 — 22 FULL LOCK
- RED 4 — 23 FULL OPEN / INSIDE SENSOR



➤ DESCRIPTION OF OPERATION

1. Power on, the mechanism start to self-learning. The door will open and close to find the opening and closing position.
2. The mechanism working steps are as following:



SYMPTOMS	CAUSES	ACTIONS	SOLUTIONS
<i>Door leaves open or close un-smoothly</i>	<i>Opening or closing speed is set too slow</i>	<i>Check the data of opening and closing speed.</i>	<i>Adjust the opening or closing speed.</i>
	<i>Too much resistance when no power.</i>	<i>Any damager or loosen at hangers, floor guide or anti-drop device.</i>	<i>Fix the parts strongly. Fix the guide at the right position. Fix the anti-drop device</i>
		<i>Any obstacle on the track?</i>	<i>Clean the track.</i>
<i>Door leaves hit each other when closing</i>	<i>Stopper is fixed not strongly.</i>	<i>Check the stopper.</i>	<i>Adjust the stopper's position and fix it.</i>
	<i>Closing speed is too fast and the buffer distance when closing is too small.</i>	<i>Check the closing speed and buffer distance when closing on controller.</i>	<i>Turn down the closing speed, and turn up the buffer distance when closing.</i>
<i>Door not working</i>	<i>No power input.</i>	<i>Check the outside input power.</i>	<i>Connect the power.</i>
		<i>Check the fuse of power switch.</i>	<i>Change the fuse.</i>
	<i>Door is locked.</i>	<i>Check the lock is working or not.</i>	<i>Un-lock the door.</i>
	<i>Connection between motor and controller is not good.</i>	<i>Check the connections</i>	<i>Connect them strongly.</i>
	<i>Inter-lock is working</i>	<i>Check it works as inter-lock or not.</i>	<i>Wait for another door close.</i>
<i>Door doesn't close</i>	<i>Sensor is working</i>	<i>Check the sensor</i>	<i>Use a new sensor.</i>
		<i>Check for obstacles in detection area</i>	<i>Clean the detection area.</i>
		<i>Check the sensor is fixed stably.</i>	<i>Fix the sensor.</i>
	<i>Photocell is working</i>	<i>Check the receiver and emitter are at same level or not.</i>	<i>Adjust position of receiver and emitter at same level.</i>
		<i>The surface of receiver and emitter is clean or not.</i>	<i>Clean the surface.</i>
		<i>Connection is good or not.</i>	<i>Fix the connections.</i>
	<i>Function keypad or remote is working.</i>	<i>Check if the buttons are always opening.</i>	<i>Reset the function.</i>





SYMPTOMS	CAUSES	ACTIONS	SOLUTIONS
<i>Door open by itself</i>	<i>Sensor work mistakes.</i>	<i>Check for any obstruction at the detection area.</i>	<i>Move the obstacle out the detection area.</i>
		<i>Any fluorescent light near sensor.</i>	<i>Don't install the fluorescent light near sensor</i>
		<i>Any strong microwave machine working near sensor</i>	<i>Move the machine away sensor.</i>
<i>LED(Green) flash each one second</i>	<i>Hall wrong detect</i>	<i>Check motor connection and cable</i>	<i>Connect again or change motor</i>
<i>LED(Green) flash each two second</i>	<i>Motor failure</i>	<i>Check motor connection and cable</i>	<i>Connect again or change motor</i>
<i>LED(Green) flash each 3 seconds</i>	<i>Normal working</i>	-	-

