



SPEED TECHNOLOGY[®]
An ISO 9001 : 2015 Certified Company

Regd. Office : U-9, Kuber Complex, Dr. Yagnik Road,
Rajkot - 360 001 (INDIA)

Phone : +91 98242 99869 / 89808 02072

E-mail : info@speedtechnology.in

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GARAGE DOOR OPENER

INSTALLING AND OPERATING INSTRUCTION



SH-JMT40



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⚠ Before installing the OPENER, the Torsion spring should be balance with the weight of the door and the door should be opened and closed manually.

- 1) CAUTION! For personal safety it is important to follow all the instructions carefully. Incorrect installation or misuse of the product may cause serious injury to people .
- 2) Keep the instructions in a safe place for future reference.
- 3) This product was designed and manufactured strictly for the use indicated in this document. Any other usage not expressly indicated in this Document, may damage the product and/or be a source of danger.
- 4) we accepts no responsibility due to improper use of the automatic machine (Opener) or use other than that intended.
- 5) Before carrying out any work on the system, turn off the Power supply.
- 6) The safety devices(e.g.photocells,sensitive edges, etc...) may be used to prevent any potential risk in dangerous areas where the moving mechanism is located , such as crushing, dragging, or shearing.
- 7) Do not make any alterations to the components of the automatic machine (Opener and Accessory).
- 8) The installer must supply full information regarding operation manual of the system in the event of any emergency and provide the system user with the "INSTRUCTION" included with the product.
- 9) Do not allow children or other people to stand near any moving door while operating.
- 10) Keep transmitters away from children to prevent the machine from being activated accidentally.
- 11)The user must refrain from attempting to repair or adjust the system personally and should only contact professional person .
- 12) Anything other than expressly provided for in these instructions is not permitted.
- 13) Connect the Lift Door Opener to a properly earthed general purpose 230V mains power outlet installed by a qualified electrician.
- 14) The safety beam sensors must be installed when the auto close feature is enabled.
- 15) In door use only.



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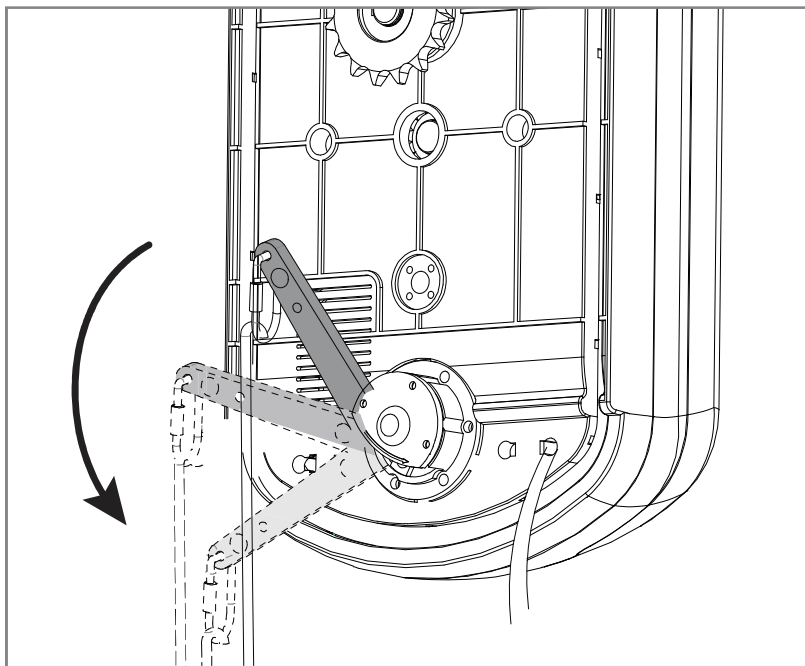
B. Feature list

1. Automatically reverse safety system.
2. Easy manual operation in case of power failure.
3. One button remote control with step by step control mode.
4. Selectable Auto-closing function.
5. All settings retained even after power failure.
6. Magnetic sensor Limits for maximum reliability in dusty conditions.
7. Auto Courtesy light.
8. Optional safety beam sensors (recommended) stop the door before contact with an obstruction.
9. Suitable for and sectional overhead and lift doors.

C. Special Feature

LOCK/UNLOCK (Release)

- The unlock function allows the user to open and close the gate manually.
- This function is specially important in emergency cases and/or power outage.
- Just pull down the lever as shown in the following image to lock or unlock.
- The lever has a spring that will bring it up to the starting point.
- Each time you pull the lever down and up completely, you will unlock or lock the opener.
- When pulling down, a small sound of gears engaging means that the lock/unlock was successfully performed.





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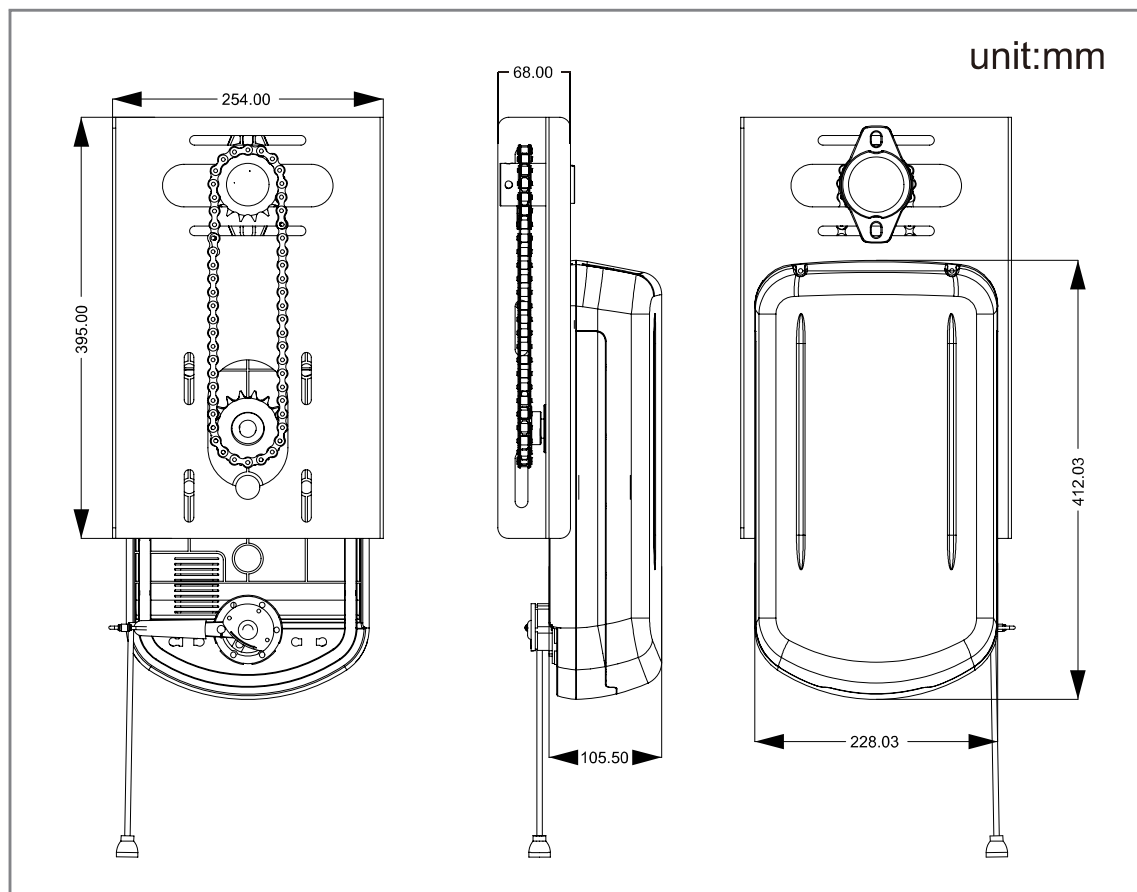
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D. Dimensions



E. Technical Specifications

Power Supply	AC 230V 50/60Hz
Power of motor	80W
Current	8A
Transformer	100W
Noise level	<65dB
Force	30N
Operating temperatures	-25° C a 65° C
RPM	20 RPM
Protection class	IP20
Fuses	220V 1A - 24V 10A



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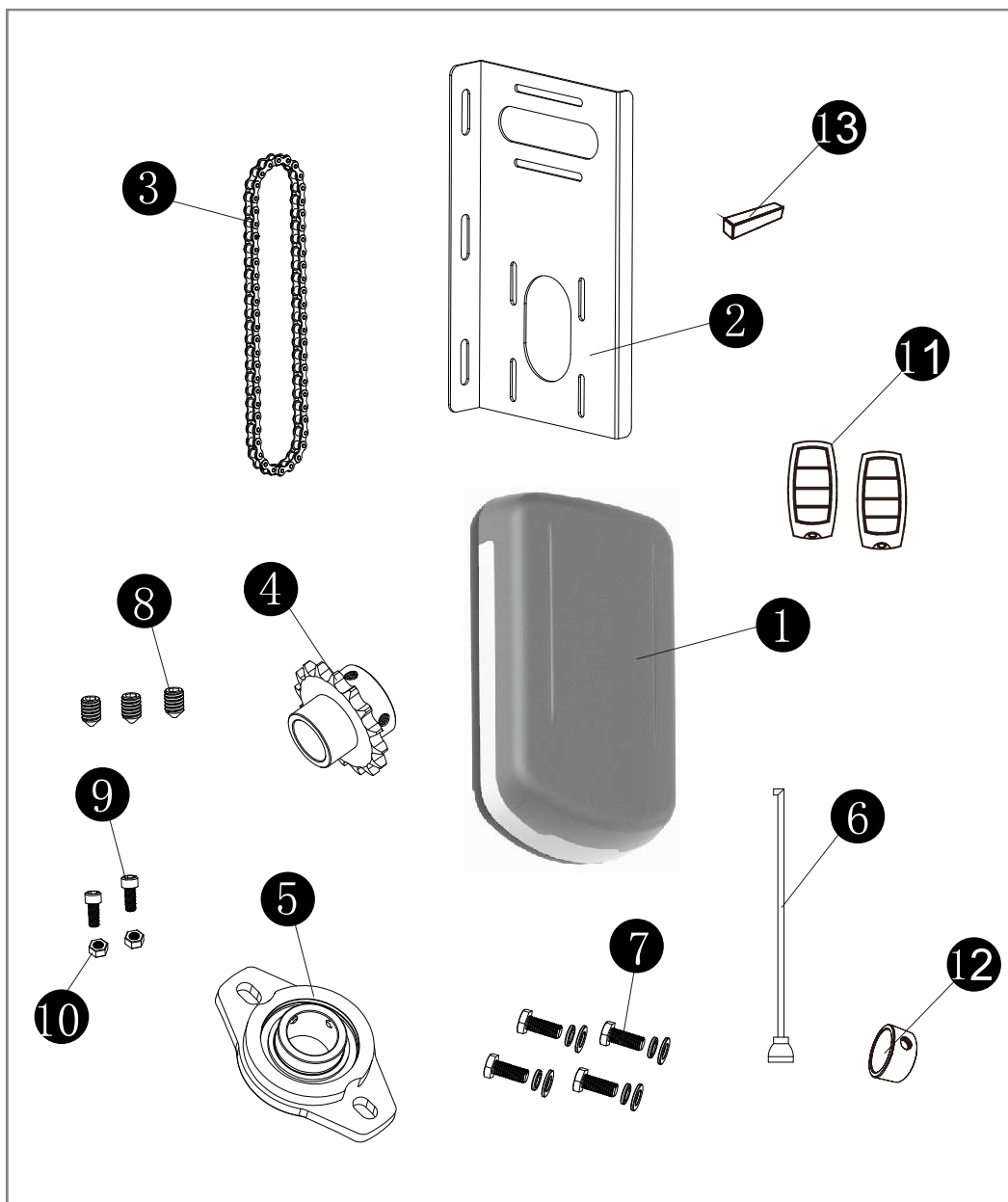
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F. Packing contents

- | | |
|--------------------------|------------------------|
| ① Operator × 1 | ⑧ Stopper screws × 3 |
| ② Mounting Plate × 1 | ⑨ Socket cap screw × 2 |
| ③ Chain × 1 | ⑩ Nut M8 × 2 |
| ④ Chain Pinion × 1 | ⑪ Remote control × 2 |
| ⑤ Bearing Bracket × 1 | ⑫ Positioning set × 1 |
| ⑥ Release Pull Rope × 1 | ⑬ Flat key set × 1 |
| ⑦ Fixing screw M8X20 × 4 | |





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G. PRE-INSTALLATION

For a proper installation and a durable performance, be aware of the following parameters:

- This equipment can only be installed on sectional doors with a maximum area of 18m².
- Please make sure that the door's structure is solid and in good conditions to be automated.
- Make sure that the sectional door has no mechanical anomalies, which may affect the Opener's durability.
- Manual raise the door to 800mm, 1600mm and 2000mm from the floor and drop it.
- The door must remain suspended in that position or going down very slightly. If this does not happen, check the spring's condition, and adjust the springs to balance with the door.
- Please make sure that the Opener will be connected to a 230V power supply, protected with earth wire.
- Please check if there is appropriate electronic protection against short-circuits/current peaks, and earth wire on the main electric board.
- Be careful in case of manually operating the control board. The incorrect usage can damage some sensible electronic components.
- Check if you have all the necessary material ready for the installation.
- All safety devices are recommended to install. This will ensure that unexpected accidents won't happen.



It is very important to make sure the springs are adjusted according to the door's weight!

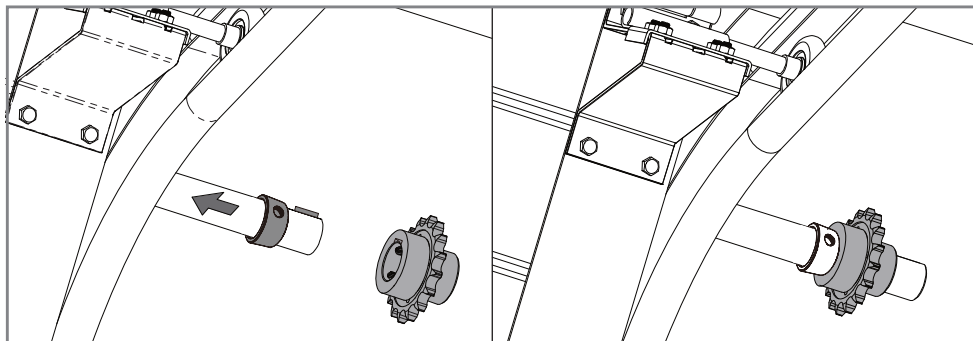


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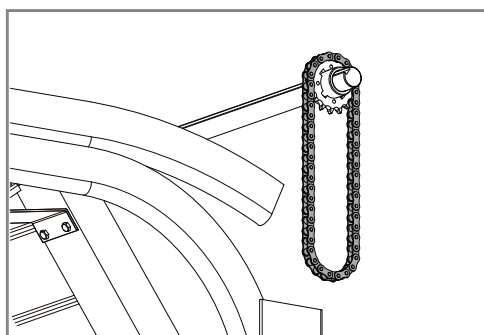
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H. INSTALLATION

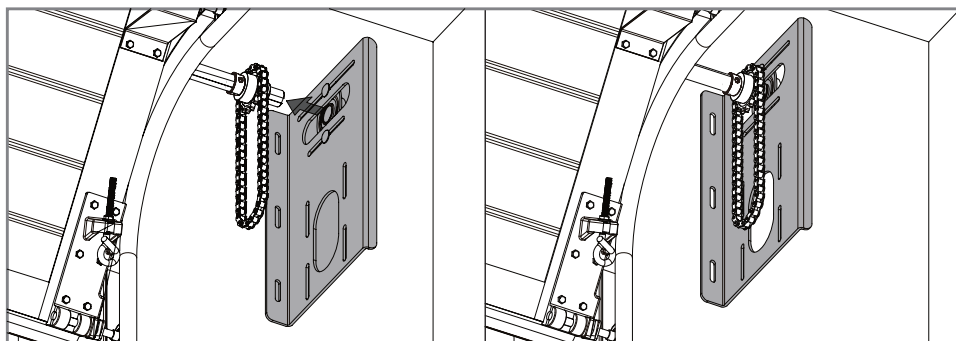
Install the Opener SH-JMT40 according to the following steps.



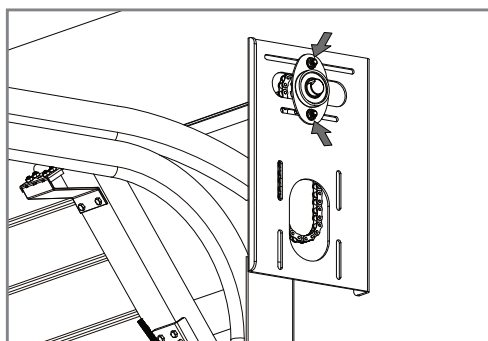
1 - Place the pinion on the 25mm spring's shaft of the sectional door.



2-Place the chain over the pinion leaving it hanged.



3 - Pass the 25mm shaft through the bearing on the support Mounting.



4 -Slightly loosen the bearing bracket's screws (left),to be able to move it sideways.



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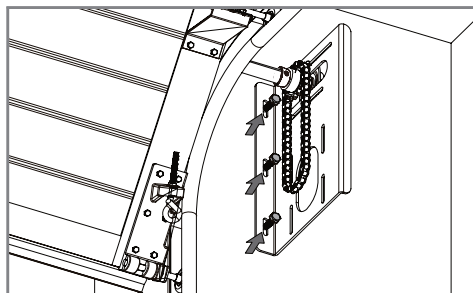
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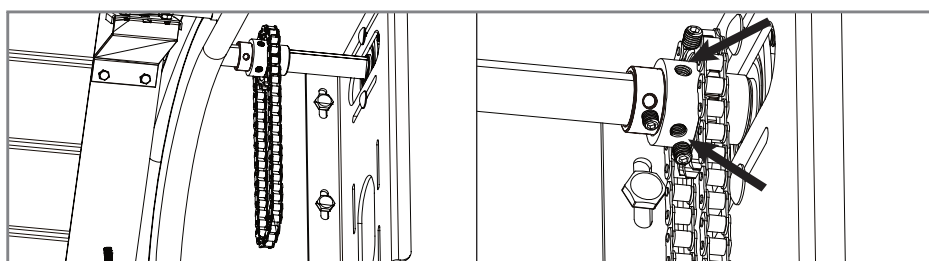
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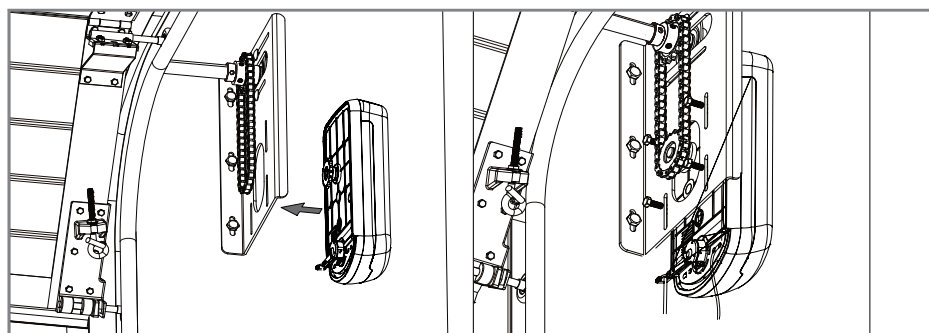


5- Push the metal plate to the wall and fixed on the wall with the screws.

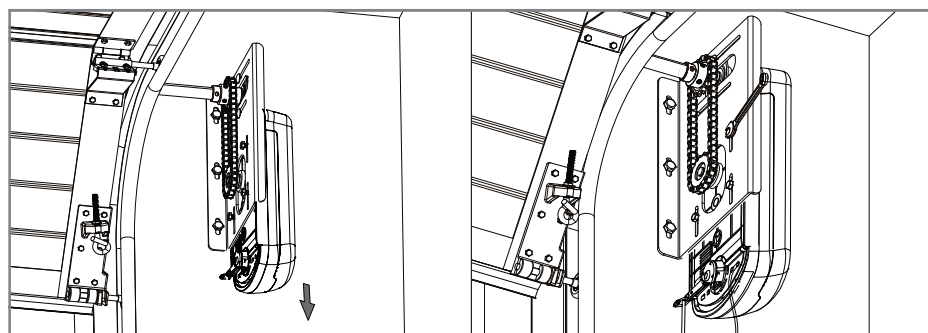
After fixing the plate, tighten the bearing bracket's screws back to it



6- Pull the pinion to the bearing and tighten the two stopper screws to fix the pinion to the shaft.



7- Place the Opener on the Mounting Plate (Left), and assemble the chain on the Motor's Pinion as the right picture. Fix the Opener on the Mounting plate with screws. Don't tighten them completely now, so that you are able to adjust the Opener.



8- Pull the Opener down in order to tighten the chain properly, then fasten the 4 screws to fix the Opener on the Mounting plate. Now the Opener is installed.



It is very important to compliance with installation procedures!



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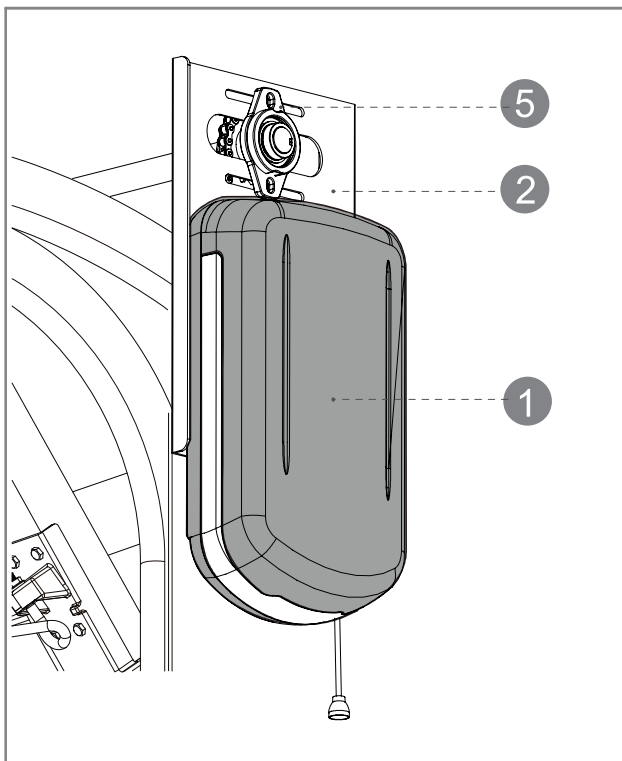
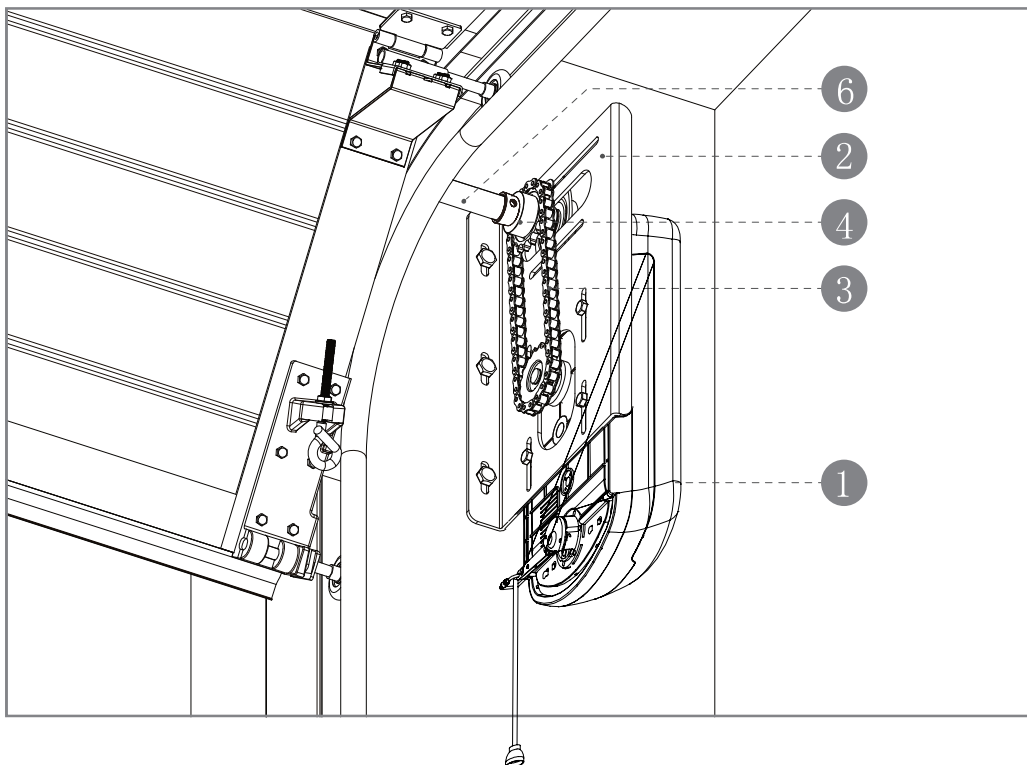
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Complete pictures of installation



LEGEND:

- 1 Opener SH-JMT40
- 2 Mounting Plate
- 3 Chain
- 4 Pinion for Ø25mm shaft
- 5 Bearing Bracket
- 6 Ø25mm sectional door's shaft



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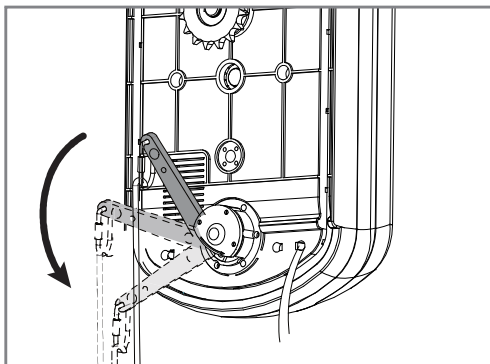
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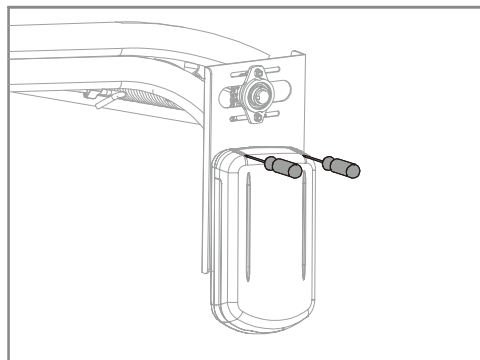
I. Setting

SETTING LIMIT SWITCHES

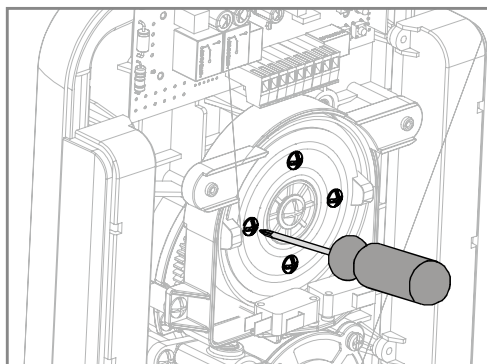
Set the limits according to the following steps.



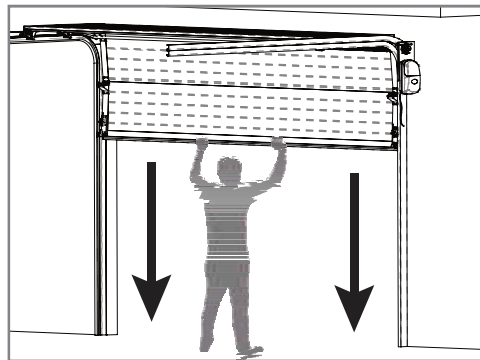
1- Unlock the motor by pulling the lever down. You will hear a little click when pulling down. And then let the lever go back up.



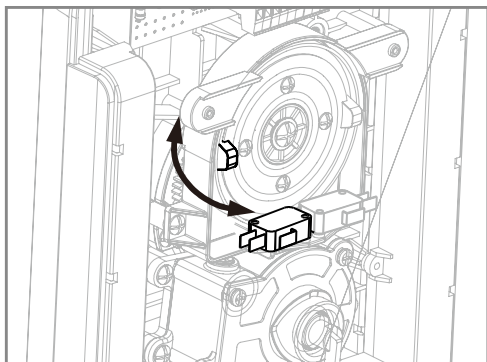
2- Open the Opener's cover with a screwdriver and connect the motor to a power supply.



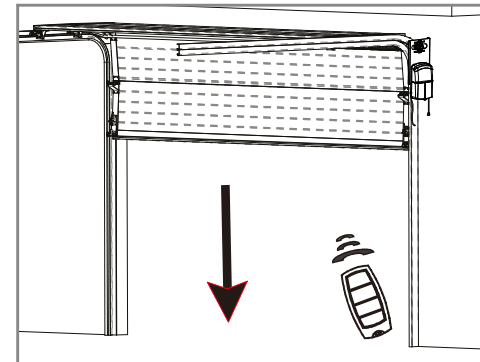
3- Slightly loosen the 4 screws of the Touch Block.



4- Manually pull the door down to the close position.



5- Move the Closing Touch block to the Microswitch and the Indicator Lamp will flash.



6- Couple the clutch by pulling the Lever again. Operate the Door by Transmitter Check whether the door closing limit is in desired place, otherwise, please re-adjust.



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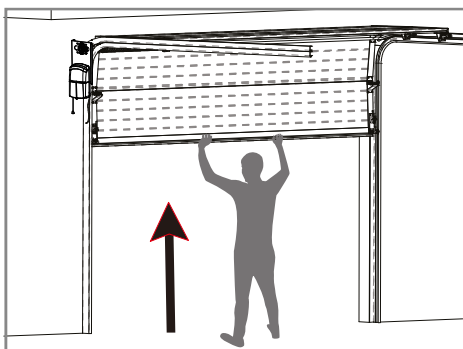
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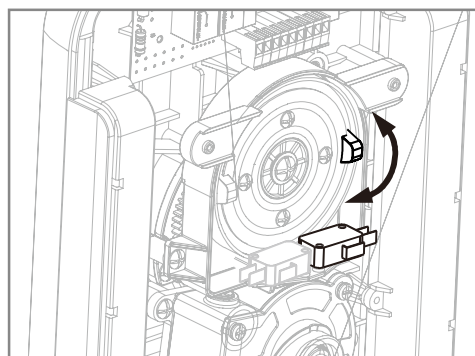
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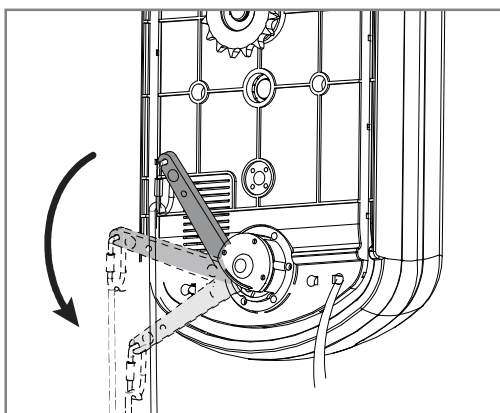
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7-After adjusting the door closing limit, start adjusting the door opening limit, Release the clutch and lift the door body to the opening position;



8- Move the Opening Touch block to the Microswitch and the Indicator Lamp will flash.



9- Couple clutch, run the door body by Transmitter, Check whether the opening and closing positions are in desired positions, otherwise, please repeatedly adjust to the best positions.



After the opening and closing limit adjustment is finished, please tighten the loose screws and cover the Opener;



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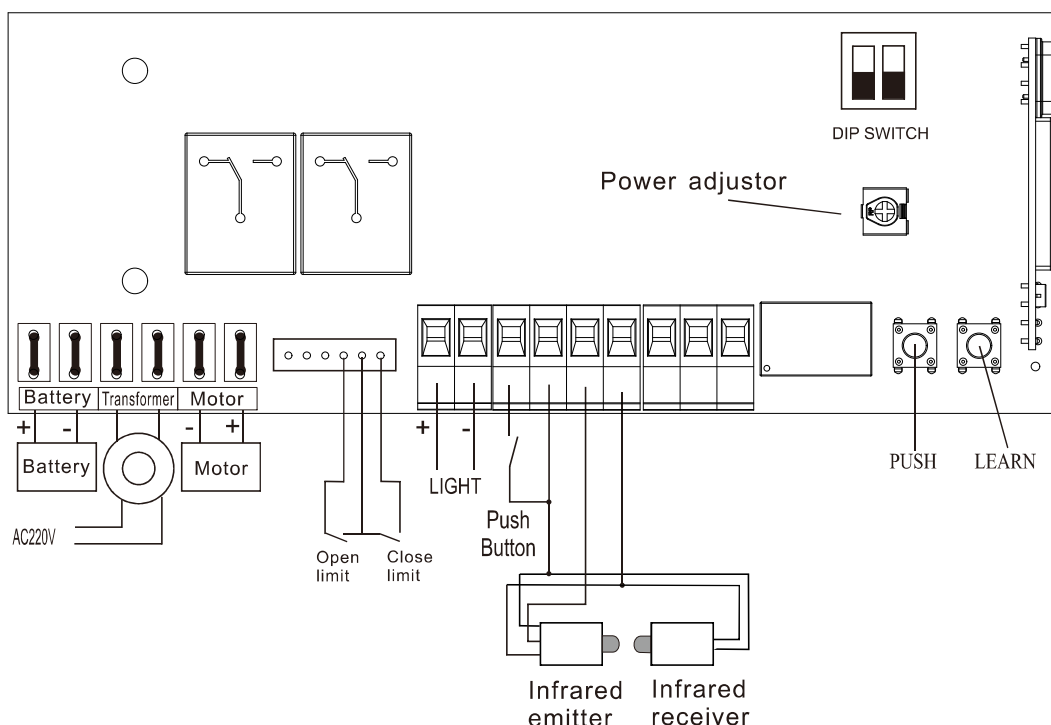
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J. Control Board



DIP1 ON: Opener is fixed on left side;
OFF: Opener is fixed on right side
DIP2 ON: Enable autoclose ,Delay time is 60 seconds;
OFF: Disable autoclose

K. Transmitter's coding and Decoding

F-1. Transmitter's code setting

Press "LEARN BUTTON", the "LEARN LED" light on, then, press the button which you choose on the transmitter till the "LEARN LED" flash and go out, Now, the transmitter is coded. Other transmitters can be coded as this way.

F-2. Erasing the transmitter's code

Press "LEARN BUTTON" and hold on to make the "LEARN LED" light on till go out. Now, all codes of transmitters which had been learnt are cleared.



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L. Trouble shooting

NO	Troubles	Cause	Deal with
1	The motor does not work when Press the button on the transmitter	1>Power off 2>The fuse is broken 3>The transmitter is damaged 4>The code is cleared	1>Check the power 220V 2>Check the 3A fuse and 10A fuse 3>Try using another transmitter 4>Re-learn the code
2	The distance of remote control is too short	1> The battery in the transmitter is too old 2>The receiver is damaged 3>There is magnetic field or high-frequency to interfere	1>Replace it with a new one 2>Check the receiver 3>Replace the receiver and transmitter in different frequency
3	The door bounce up when it is closing to ground.	The closing force is not enough	Re-adjust to enlarge the Down-force
4	The door reverse when it is closed	The close limit switch is moved	Re-adjust the close limit switch to a suitable place
5	Sudden stop when the door is opening	1>The Lift force not enough 2>The door is too heavy 3>The motor's force is not enough	1>Re-adjust to enlarge the up Up-force 2>Re-adjust the spring's equilibrants 3>change the motor
6	The door can not be limited place	The limit switch's plug is loose or wire is broken	Insect the plug or connect the wire