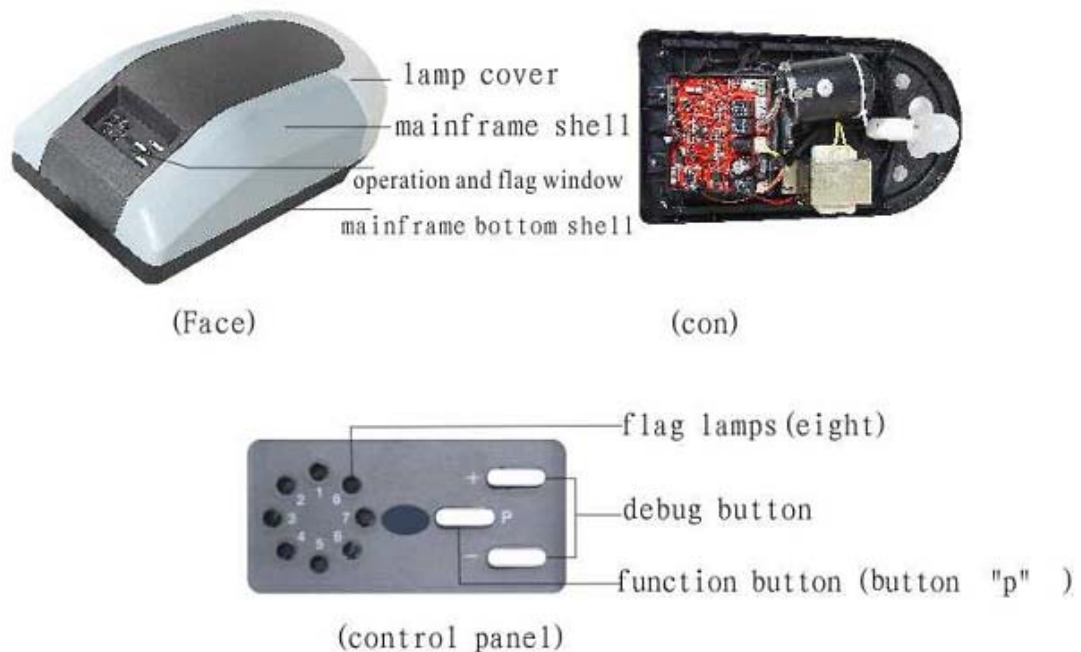


1. function instruction

- 1-1 To operate the opener use the hand held remote.
- 1-2 Obstruction Return system. Door will stop automatically if obstructed during the process of up or down travel.
- 1-3 Electronic limit memory will keep memory even if power is turned off.
- 1-4 Self lock function while power is off.
- 1-5 Automatic lighting function.
- 1-6 Automatic Auto close function(optional)

2. Overall description

2-1 main processor



2-2 remote control



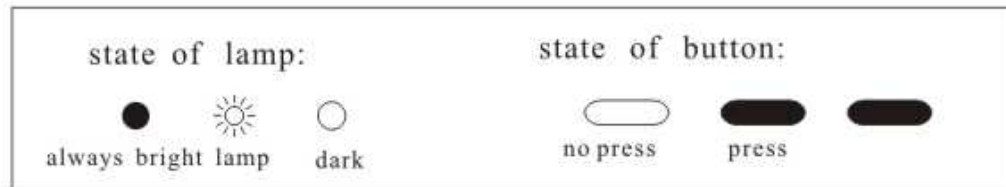
3. Program process

3-1 Preparation of Garage Door for opener.

First step, open and close the door manually, the door should be running smoothly, and door is well balanced.

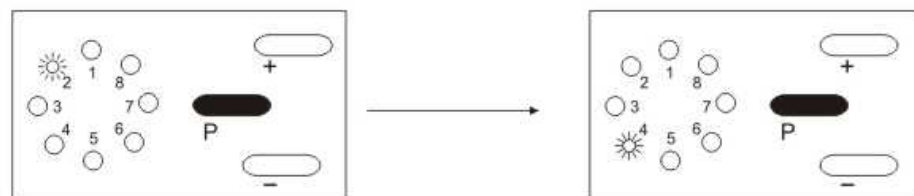
Do not install opener on Garage Door, unless the door runs smoothly in manual operation.

Symbol instruction



3-2 Programming Process

3-2-1 Set up opening limit of door



Press button "P" for 2 seconds.
The number 2 LED will flash.
Push and hold the + button to bring
The door to the desired UP position

Press "P" button once ,lock
The UP limit,meanwhile
LED 4 will flash and enter
the next program.

3-2-2 Set up the down limit for closing the door.



Continue the last program LED 4 flashes.

Press "-" button and hold to bring the door to the desired down position, then press the P Button once. The door will travel to the UP position and then back to the down position: automatically this cycle is to set the opening and closing force of the opener. LED 3 will stay illuminated when programming is complete.

REMARK: When you are setting the UP or Down limits, the + or - button can be used for fine Adjustment before pressing the P button to confirm

3-3 Force set up (manual) opening and closing the door

(1)press “P” button three times until LED 6 flashes, you can adjust the strength of opening the door, press “+” or “-“ button to raise or lower, to force margin.

Number 8 LED is maximum strength. Then press P button to confirm setting.

(2) press “P” button 4 times until LED 1 fashes, you can adjust the strength of closing the door . Press”+” and “-“ button.

(3)No: 8 LED is maximum and No: 1 LED is minimum.

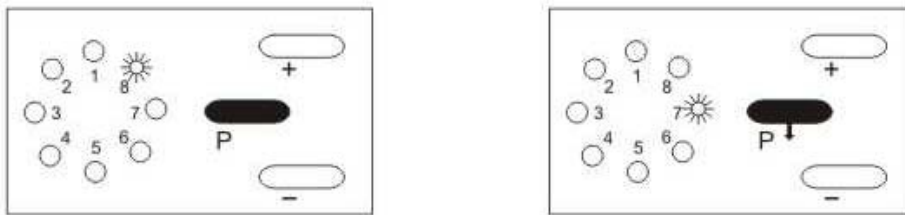
Then press P button to confirm setting.



3-4 Choose automatic closing door function

Press “P” button 5 times until LED 8 flashes ,press + button as opening door function Press “-“ button as closing door function,press P button,save the data at last.

Notice:Automatic close and open functions are not activated when shipped from manufacturer.



3-5 Add or Delete (handsets) remote controllers.

To add additional remote controllers, push and hold the P button for 6 seconds, until the Number 7 LED flashes

Press and hold the “+” button until LED 7 glows constant.

Press desired button on additional hand held remote for 3 seconds,then press P button for 3 seconds to confirm.

To deletd handset codes

Press and hold P button, until the 7 LED flashes.

Press and hold the “-“ button for 3 seconds.

The code memory has been cleared ,all hand held remotes (handsets) will no longer operate the door opener.

4. Technical parameters

Item No Technical parameters	ZTGD800
Working voltage(V)	220-240V,50HZ
Lighting power (W)	25W
Operational life (times)	20000 times
electromechanical gearmotor noise(DB)	< 60 DB
Maximum lifting force(N)	800N
Economic models	Power consumption(standby) 8W
electromechanical gearmotor power(W)	75 W-24V DC
Up and down limit velocity in air(mm/s)	120MM/S
Frequency of remote controller (MHZ)	433MHZ
Working environment	-35℃—70℃
Distance of remote controller(M)	25M—35M

Item No Technical parameters	ZTGD1000
Working voltage(V)	220-240V,50HZ
Lighting power (W)	25W
Operational life (times)	40000 times
electromechanical gearmotor noise(DB)	< 60 DB
Maximum lifting force(N)	1000N
Economic models	Power consumption(standby) 8W
electromechanical gearmotor power(W)	100 W-24V DC
Up and down limit velocity in air(mm/s)	120MM/S
Frequency of remote controller (MHZ)	433MHZ
Working environment	-35℃—70℃
Distance of remote controller(M)	25M—35M

Item No	ZTGD1200
Technical parameters	
Working voltage(V)	220-240V,50HZ
Lighting power (W)	25W
Operational life (times)	40000 times
electromechanical gearmotor noise(DB)	< 60 DB
Maximum lifting force(N)	1200N
Economic models	Power consumption(standby) 8W
electromechanical gearmotor power(W)	120 W-24V DC
Up and down limit velocity in air(mm/s)	120MM/S
Frequency of remote controller (MHZ)	433MHZ
Working environment	-35℃—70℃
Distance of remote controller(M)	25M—35M

5. Fault investigation

Common faults	Possible reason	Correct methods
Short remote distance	Long using of battery	Change the same type new battery
LED 3 lamp unindicate	No voltage	Check the electric of opener
	The connect line (HuoErline) of the motor	Open the main processor to change a same type of new insurance tube
Press switch button,the opener stop quickly	The connect line (HuoErline) of the motor	Check the line of the motor and change the HuoEr parts
The door which up and down in the halfway stop	Big resistance with the door up and down	Exclude the resistance and check the balance of spring

6. Warning

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

WARNING: Important safety instructions. It is important for the safety of persons to follow all instructions. Save these instructions.

- do not allow children to play with door controls. Keep remote controls away from children;**
- watch the moving door and keep people away until the door is completely opened or closed (not necessary for automatic drives);**
- take care when operating the manual release since an open door may fall rapidly due to weak or broken springs, or being out of balance;**
- frequently examine the installation, in particular check cables, springs and mountings for signs of wear, damage or imbalance. Do not use if repair or adjustment is needed since a fault in the installation or an incorrectly balanced door may cause injury;**
- each month check that the drive reverses when the door contacts a 40 mm high object placed on the floor. Adjust if necessary and recheck since an incorrect adjustment may present a hazard;**
- details on how to use the manual release;**
- information concerning the adjustment of the door and drive (when applicable);**
- disconnect the supply when cleaning or carrying out other maintenance.**

Instructions for automatic drives shall state the substance of the following: (IEC 60335-2-95)

WARNING: Automatic door – The door may operate unexpectedly, therefore do not allow anything to stay in the path of the door.

WARNING: Important safety instructions. Follow all instructions since incorrect installation can lead to severe injury.

The installation instructions shall include details for the installation of the drive and its associated components. (IEC 60335-2-95)

For drives supplied without a door, the installation instructions shall indicate the type, size and mass of doors for which the drive is intended to be used.

The installation instructions shall include the substance of the following: (IEC 60335-2-95)

- before installing the drive, remove all unnecessary ropes or chains and disable any equipment, such as locks, not needed for powered operation;
- before installing the drive, check that the door is in good mechanical condition, correctly balanced and opens and closes properly;
- install the actuating member for the manual release at a height less than 1,8 m;
- install any fixed control at a height of at least 1,5 m and within sight of the door but away from moving parts;
- permanently fix the labels warning against entrapment in a prominent place or near any fixed controls;
- permanently fix the label concerning the manual release adjacent to its actuating member;
- after installation, ensure that the mechanism is properly adjusted and that the drive reverses when the door contacts a 50 mm high object placed on the floor "(for drives incorporating an entrapment protection system depending on contact with the bottom edge of the door)
- after installation, ensure that the parts of the door do not extend over public footpaths or roads;
- after installation, ensure that the drive prevents or stops the opening movement when the door is loaded with a mass of 20 kg, fixed centrally on the bottom edge of the door (for **drives** that can be used with doors having openings larger than 50 mm in diameter).
- after installation, ensure that parts of the door do not extend over public footpaths or roads.

If the drive is intended to be installed higher than 2,5 m above the floor or other access level, the packaging shall be marked accordingly. This information shall also be given in the installation instructions.

If the drive is not to be used with doors having openings exceeding 10 mm in diameter or having edges or protruding parts a person could grip or stand on, the packaging shall be marked accordingly. This information shall also be given in the instructions.

The specific instructions related to the safe operation of this appliance (as given in 7.12 of this standard) shall be collated together in the front section of the user instructions.

The height of the characters, measured on the capital letters, shall be at least 3 mm.

These instructions shall also be available in an alternative format, e.g. on a website.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party.

Responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.