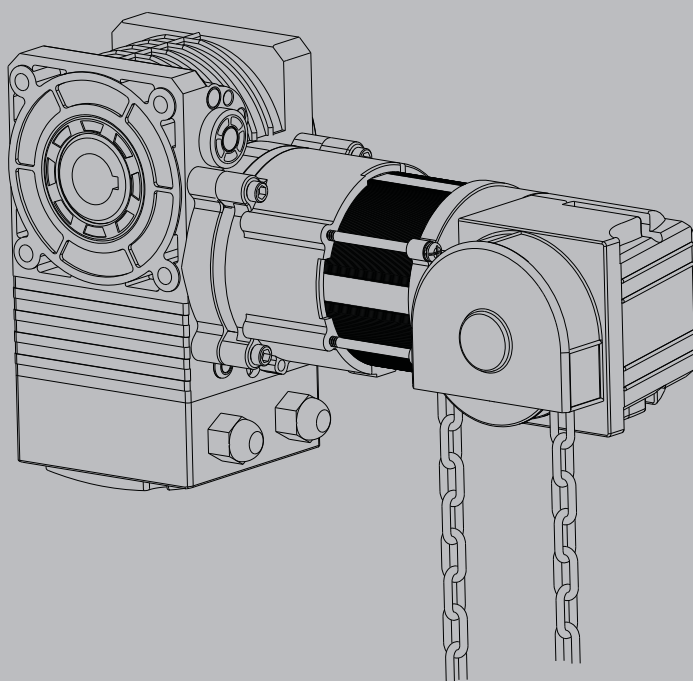


INDUSTRIAL SECTIONAL DOOR OPERATOR

INSTALLING AND OPERATING MANUAL



MODEL : KGT9-ZM

**PLEASE READ THE MANUAL CAREFULLY
BEFORE INSTALL AND USE**

A、 Warning to the installer and user



Before installing the machine, the Torsion spring should be balance with the weight of the door, The door is sure to 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 harm 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) BS accepts no responsibility due to improper use of the automatic machine (opener) or use other than that intended.
- 5) Do not install the machine in an area subject to explosion hazard. Inflammable gasses or fumes are a serious safety hazard.
- 6) BS will not accept responsibility if the rules of good workmanship are disregarded in installing the closing elements to be motorised, if any deformation occurs during use of the said elements.
- 7) Before carrying out any work on the system, turn off the electricity supply.
- 8) 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.
- 9) BS accepts no responsibility regarding safety and correct operation of the machine, should components made by manufacturers other than we be used in the system.
- 10) Do not make any alterations to the components of the automatic machine (opener and accessory).
- 11) 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.
- 12) Do not allow children or other people to stand near any moving part of the opener or door construction while in operation.
- 13) Keep transmitters away from children to prevent the machine from being activated accidentally.
- 14) The user must refrain from attempting to repair or adjust the system personally and should only contact professional personnel .
- 15) The safety beam sensors must be installed when the auto close feature is enabled.
- 16) Connect the system to a properly earthed general purpose 230V mains power outlet installed by a qualified electrician.
- 17) In door use only.

Emergency Release device



It is used only in emergency;
It is turned only when the door is open;

Lift device



Do not pull the hand chain when the motor is working ,
Otherwise it may damage the product and cause serious
harm to people!

B. Technical specifications

Specifications of all models of operator

| Model | BS-KGT9.100-ZM | BS-KGT9.100S-ZM |
|-----------------------|------------------------------|---------------------|
| Power supply | 220V \pm 10% 50HZ | 380V \pm 10% 50HZ |
| Motor power | 200W | |
| Capacitor | C=12uF | — |
| Thermal protection | 130℃ | |
| Normal environment | -20℃ \sim +50℃ | |
| Lift height | >6 m | |
| Maximum output torque | 100N. m | |
| Output aperture | Φ 25.4mm; Φ 31.8mm | |
| Output speed | 10r/min | |

| | |
|-----------------------|------------------------------|
| Model | BS-KGT9.150S-ZM |
| Power supply | 三相 220V \pm 10% 50HZ |
| Motor power | 200W |
| Thermal protection | 130℃ |
| Normal environment | -20℃ \sim +50℃ |
| Lift height | >6 m |
| Maximum output torque | 150N. m |
| Output aperture | Φ 25.4mm; Φ 31.8mm |
| Output speed | 10r/min |

C、Descriptions of product

1. KGT9 _____

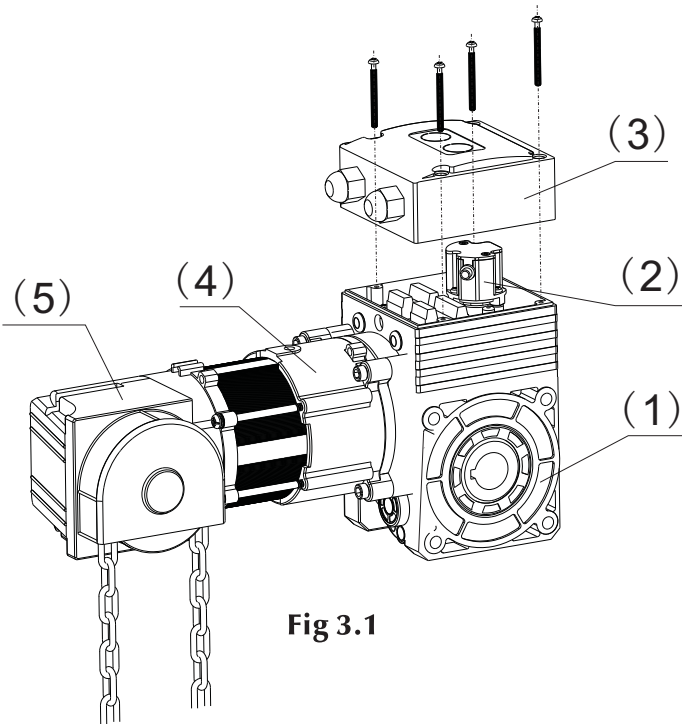







Fig 3.1

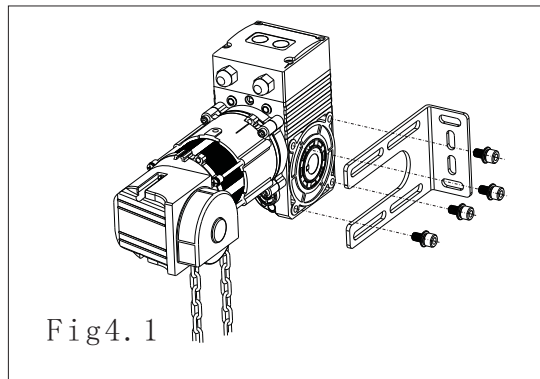
- ① Gear reducer
- ② The encoder limit
- ③ AC motor
- ④ Lift device
- ⑤ Chainlet

Gear of limit device

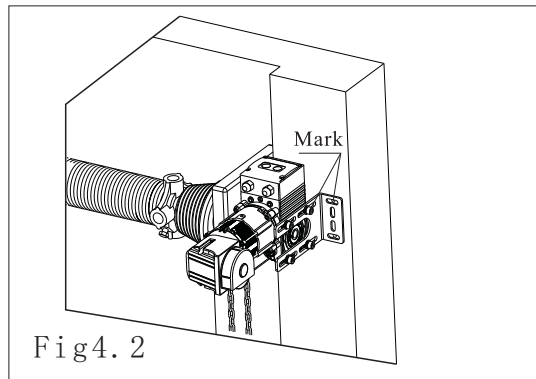
2.Installation fittings: _____

| | Picture | Name | Spec | Quantity |
|---|---|-----------------------|---------|----------|
| 1 |  | Mounting Bracket | | 1 |
| 2 |  | Straight key | 6.4X100 | 1 |
| 3 |  | Expand bolt | M10 | 4 |
| 4 |  | Socket cap screw | M10X20 | 4 |
| 5 |  | Coil spring washer | Φ10 | 4 |
| 6 |  | Flat washer | Φ10 | 4 |
| 7 |  | Flat key fixed set of | | 2 |

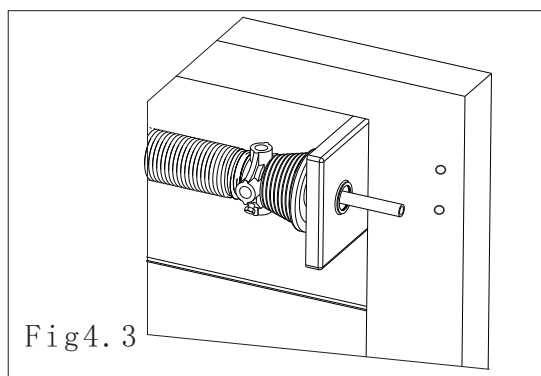
D、 Guide of installation



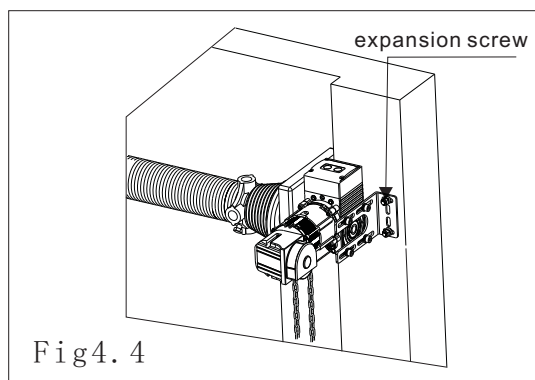
- (1) Join the operator with the bracket, but don't tighten the screws here.



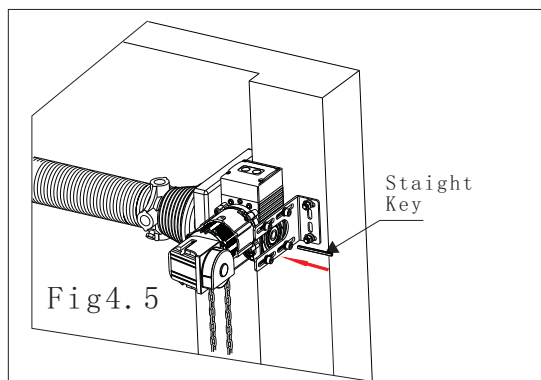
- (2) Hang the operator on the tube axle, then locate the exact position of mounting the operator on the wall and mark on the wall.



- (3) Move the operator away, drill on the marks, and put the expand bolt into the hole.



- (4) Hang the operator on the tube axle again, Mount the bracket.



- (5) Insert the straight key (A6. 4X100) into the axes, tighten the screw on the bracket.

