

# **Intelligent sliding door control board**

## **Installation instructions K33**

# **Instruction for use** Please read in detail

**K33** Intelligent built-in sliding door controller is my company's latest development. A product with her adopted advanced MCU control, controller is more stable than normal, more safe and reliable, and has the following distinctive features:

1, the bumper design When the door to travel, can only be in the opposite direction key, the motor can be action, prevent rushed out of the trip.

2, motor protection time Avoid motor failure duration time of the trip, the operation time can be adjusted 90 seconds.

3, automatic shutdown function of time can be adjusted from 1 to 240 seconds.

4, the level of motor adjustment Adjustable motor running.

5, motor blocked efforts to adjust Adjustable motor blocked.

6, high confidentiality K33 type has the function of remote control, remote control, remote control distance, strong anti-interference, and adopt the most advanced jump codec technology, than is currently on the market with the traditional remote control group (code 6561) more high security and confidentiality. Password number up to 1 million groups, and unbreakable.

7, automatic remote control keyboard lock function Automatic lock remote control for 60 s, avoid the risk of accidentally touch. Operation: preparation launchers, use the stop button to learn, can be automatically cancel the transmitter remote control keyboard lock function; Other key learning default to automatically lock the keyboard function.

8, the line outside the clamp function type (normally open) when the door is closed, there are obstacles blocking line the perimeter, realize automatic door stop, and run in the opposite

direction, to prevent the task of people or objects.

9, LED display, fault detection Make the signal input and output of the be clear at a glance, easy to use and maintenance.

**Product technical parameters:**

The input voltage: ~ 220 v + / - 10%

The maximum output current: 5 A

Fuse: AC220V 5 A

Remote control distance: open > 30 meters


Installation steps: 1, install motor, etc.

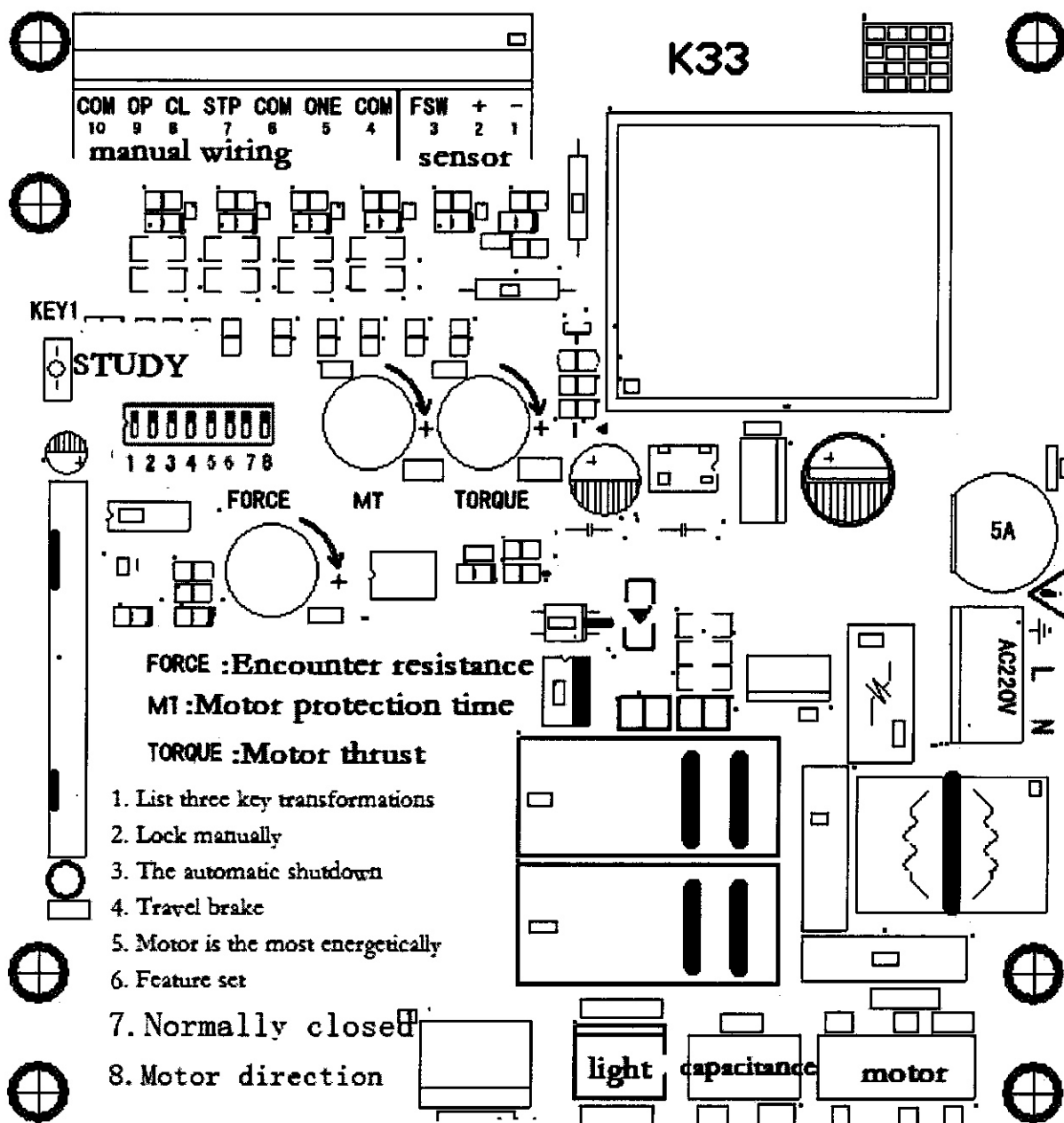
2, electrical debugging.

The remote control method of use:

The control box can match at most 30, remote control with a remote control, 31st remote control invalid (the first cannot use).

A, remote control keyboard operation: press the direction( close ▼ open▲) button on the remote control can make the motor movement, press the stop ■ button, the motor stops.

B, manual keyboard lock: when press the lock  button on the remote control, the control box into the locked position (on the front panel lights stop flashing), only the lock button manually and remote control the direction key, can press stop ■ key on the remote control to unlock the stop light to stop flashing on (panel); Locked in the control box, must after press stop ■ on the remote control to unlock, can we make the direction key on the remote control and controller on the manual for normal use.



C, automatic remote control keyboard lock: when there is no remote control more than 60 s key presses, into the remote control keyboard lock function, only when press stop ■ button on the remote control, remote control can normal operation. (note: this function does not affect the manual function)

D, remote control: according to the STUDY of the key on the controller 1 second, functional indicator, press on the remote control to open ▲ the door twice in a row, functional indicator light flashes three times, is set, the remote control can be normal use. Can use the same method to study the second, third, etc.

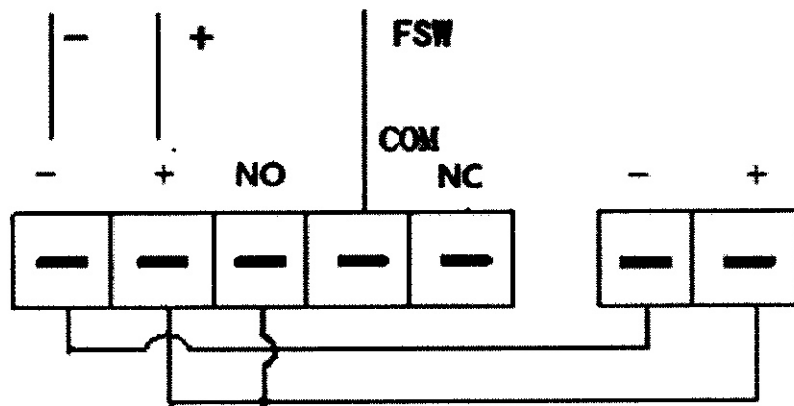
E, remote password to delete: 8 seconds, press set key not to put light into normally on, can let go of the set key at this time, to clear before finished learning by remote control.

#### **Infrared interface using method (magic eye 1 interface) :**

The press box can external infrared protection device (terminal) as shown. Installation must take

infrared jump for normally open output. When the motor is in the process of closing, the infrared

have protection device, motor immediately stop 2 s, and then do the door. As for the two line electric eye, magic eye of + of +, magic eye - in FSW joint circuit board.



**External connection manually:**

**External single bond manually:** can choose the doorbell switch, in - and ONE two terminal.

**Single bond manual for circular manner - stop - closed - stop.**

**External three key manually:** can choose ordinary roller shutter machinist switch

(need to manually stop button normally open connection), public line connected into the -

**Stop on the STP, shut in CL, open the OP.**

### **Connection:**

**Stroke can choose mechanical or dry reed pipe way to travel. Travel in - the public line, line of direction in C.L and O.L.**

### **Electrical wiring:**

**Motor wiring must according to the picture on the right connection, must connect PCB COM public line, otherwise you will appear in single direction of fault.**

### **Automatic shutdown function set:**

**The user can set automatic functions as required. Dial the code switch 3 received ON the automatic shutdown function; When got OFF, said disable automatic shutdown function. When set automatic shutdown function can make door to open the door to the travel, perform automatic shutdown delay, functional lamp with 1 hz flashing at the same time. When to set a time controller performs automatic closing operation.**

### **Automatic shutdown time setting:**

**Must only dial 6 and 3, and dial the yard hit ON the position (the location of the other code dial back to "OFF, set up complete recovery), then press the F key, press 1 seconds at a time, when set, after the completion of dial 6 yards down, keep dial code 3.**

### **Slow stop feature set:Door-to-door slow function setting B4**

**Manual setting (this method is recommended) : close the door electrically or manually, turn on B4, and then press F. At this time, there will be sound. After holding down for more than 5 seconds, the door will open at high speed (let go at this time), At this time, the slow setting is completed, and B4 remains unchanged.**

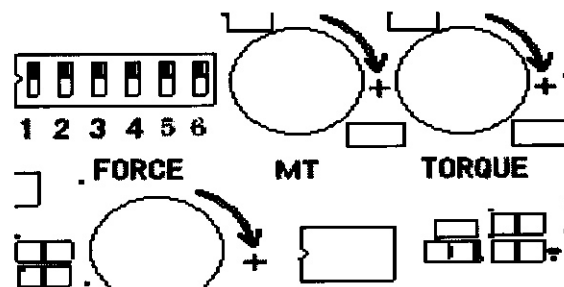
**Note:** In the slow speed process, if the motor thrust is not enough, slow speed thrust (MT) potentiometer can be adjusted to adjust the strength. The slow position of the door body is fixed and the slow position is about 30 centimeters.

**Function adjustment, for increased clockwise, counterclockwise to decrease**

**Normally open normally closed stroke conversion B7**

**Motor direction conversion set B8**

In the case that the direction of the door body and the limit can correspond, in the case that the door body is not in the limit and there is no action, as long as the toggle switch 8 to convert, other places do not change.



**FORCE :** Motor blocked efforts to adjust. Adjust the door close encounter obstacles rebound strength.

**MT :** Motor slow adjustment of intensity. At slow speeds to adjust motor.

**TORQUE:** The motor running adjustment of intensity. When motor use process, can adjust the motor running, make the door meet greater resistance to stop, so as to avoid bad thing.

**Note:**

1, the control box of working voltage for  $\sim 220 + / - 10\%$ , do not pick up the 380 v voltage.

**2, wet leakage, replaceable wire.**

**Second, the control box burn insurance namely after the power is connected, please check whether the power grid voltage is too high or misconnection 380 v**

**Third, when your remote control failure, but try to make launchers, otherwise please check transmitter for electricity.**

**Four, remote control distance nearly:**

**1, remote control in open > 30 meters, because the radio waves are greatly influenced by the weather, therefore, in the rain, fog, wind, severe weather conditions such as remote control distance is slightly lower, this is a normal phenomenon.**

**2, old batteries, also can make remote control distance nearly, can try to replace new battery.**



**2, buried in the ground use coarser double insulation wire, travel switch three core shielding layer should be good grounding, there shall be no joint in the middle. Wire to set into the PVC tube or pipe, waterproof and moistureproof processing.**

**3, the factory, the control box of timing set to 90 seconds. Transmitter using DC12V, 27, a battery, the service life of the year, a transmitter do not be affected with damp be affected with damp, collision, if you would like to change password, please refer to the password set.**

**4, if the remote control distance is too short, please check whether the host installation location near covered with metal or metal.**

**5, the control box and line amateurs do not install, such as personal safety problems, the company shall not be held responsible.**

**6, the control box if there is any quality problem, please put the control box to the agent processing, such as user repair itself, the company is not responsible for the user to fix the damage caused by himself.**

**Simple fault inspection and eliminate:**

**First, when the control box to the motor doesn't work, is first distinguish control box or outer line fault.**

**Discriminant method is: through the controller inside the light emitting light is about judgment of failure parts.**

**Outside line common faults:**

**1, the line is broken or poor contact, can use a multimeter to check.**