

1.Product Features

- Protects the machine equipment from wireless and electric shock interference and stealing points and coins ;
- CPU auto option for more sensitive anti-jamming ;
- Reliable, filtering false signals ;
- External alarm light can be connected, more convenient management ;
- Adjustable sensitivity, adaptable range more width ;
- Overload protection ;
- Optional of automatic recovery or manual recovery after alarm.

2.Product Specifications

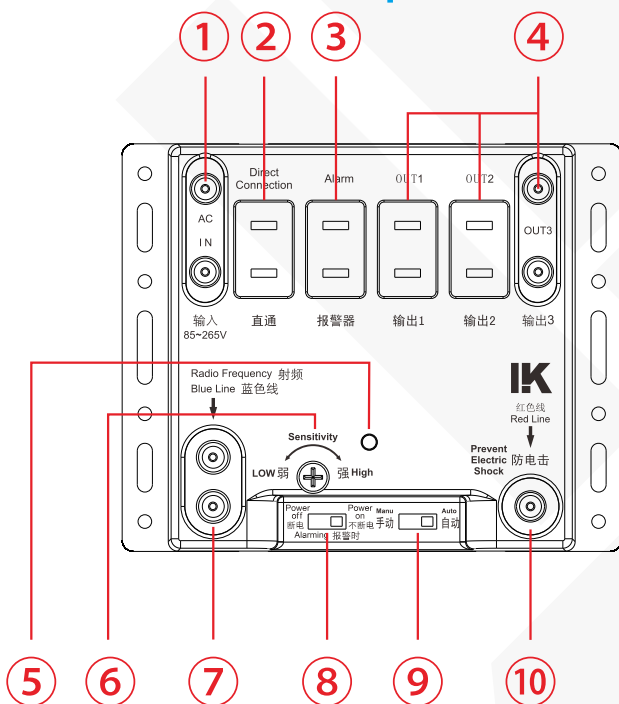
Working voltage: AC85~265V

Operating current: <25 mA

Output power: 0.8~2.5kW

Working temperature: -15 °C ~+50 °C

3.Function Description



- ① Input terminal: 85~265V AC input ;
- ② Straight-through socket: direct connection to the input terminal ;
- ③ Alarm light socket: External alarm light dedicated socket ;
- ④ Output 1, Output 2 and Output 3 sockets: 85~265V AC Electrical output, can be connected to the machine power; it has a delay time of 8 seconds Power on, and when it meet interference the power will cut auto ;
- ⑤ Status light (three colors)
 - A. Normal bright purple, yellow or pink-blue light for monitoring work status ;
 - B. Blue or red indicator light flashes for alarm status ;
- ⑥ Sensitivity adjustment knob: adjust the sensitivity of anti-electromagnetic interference sensitivity; clockwise turn the sensitivity will stronger; counterclockwise turn will weaker ;
- ⑦ RF anti-interference antenna input (blue wire) ;
- ⑧ Power on/off Switch, select power on/power off under alarming ;
- ⑨ Manual / Auto Switch :
 - A. Manual mode: when alarmed by interference, the alarm light output will keep until it was switched manually to the auto position and complete an alarm cycle (8 seconds) ;
 - B. Auto Mode: automatically stops the alarm output when a interference signal is stopped;
- ⑩ High-voltage shock-proof terminal (red wire) ;

4.Antenna diagram and usage

4.1 Usage :

- a. Connect the blue anti-radio interference antenna with a dual socket to RF jacks A and B (as shown in Figure 1), or use a single-ended input, but be sure to connect to jack A. ;
- b. Wrap the blue RF antenna around the coin acceptor wire (as in Figure 2), the score wire, the control panel wire and the place susceptible to interference. It is recommended to wrap more than 5 loops (the more coils, the stronger the signal) ;
- c. Connect the red antenna to the anti-electric shock jack (Figure 3).Note: The red antenna should not be entangled with other lines. Separate wires are needed to prevent false alarms ;
- d. Connect the power supply and turn on the power. ;
- e. Power on, after the "di" sound, the green light will flash for 8 seconds and then change to a single color (purple, yellow, or pink-blue), which indicates that it is in anti-jamming monitoring operation. ;
 - purple light will alarm if triggered by one interference ;
 - Yellow light is alarmed only when triggered by multiple interference; (This gear is for factory setting)
 - Pink blue light is alarmed only when triggered by a lot interference ;

4.2 Switch setting instructions

a. Power off/Keep power on

- Can choose output 1, output 2, or output 3 on whether to power off when alarming (set before power on);
- Select power off: when alarming, output 1, output 2, output 3 power off;
- Select keep power on: when alarming, output 1, output 2, output 3 keep power on;

b. Manual/Auto switch

- Auto: Automatically return to monitoring status after responding to alarms;
- Manual: Stay in alarm after responding to the alarm, with sound and light and power output until the manual processing..

Method: Turn the switch back to automatic, and after responding to an 8-second alarm cycle, cancel the alarm to automatically return to the interfering monitoring state..

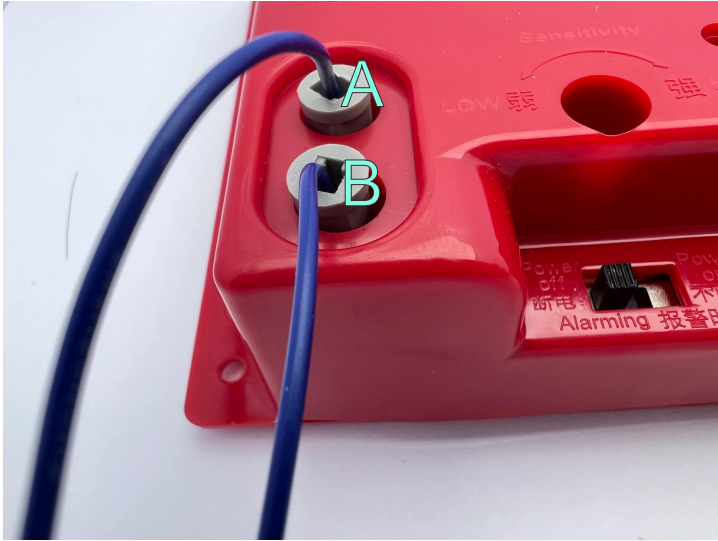


Figure 1

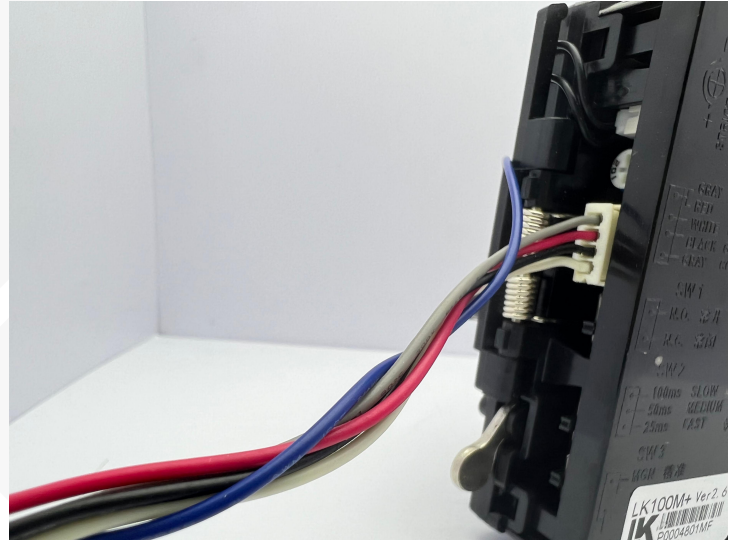


Figure 2

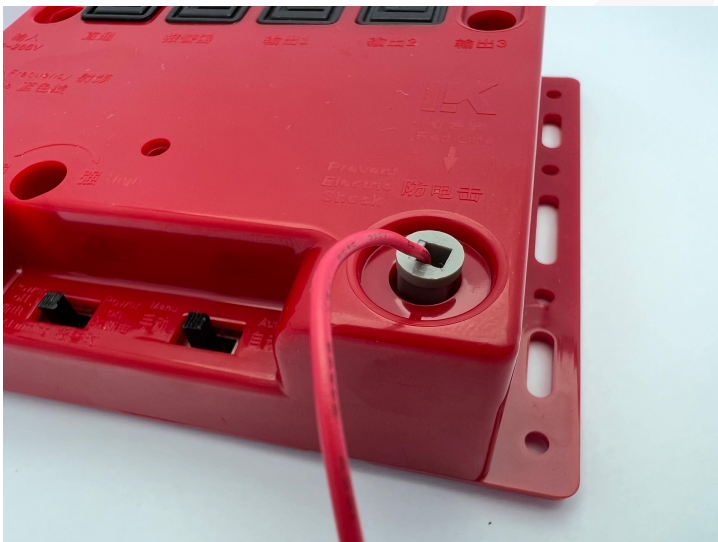


Figure 3



Figure 4

5. Adjustment method for RFI sensitivity

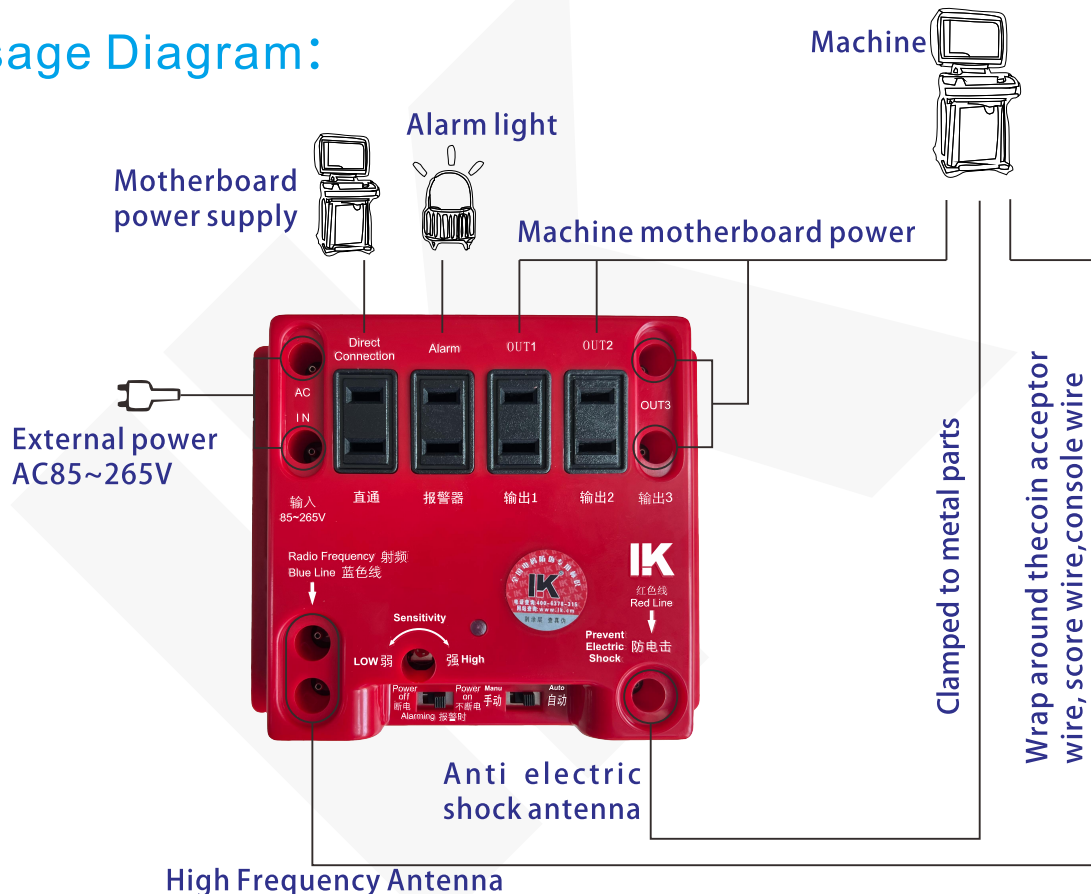
Firstly, the factory setting of LK203 has been adjusted to a state suitable for most commonly used scenarios . If false alarms or non-alarms occur frequently, you can refer to the following parameters for adjustment ;

- 5.1 Adjust the sensitivity knob appropriately, clockwise to strengthen the sensitivity, counterclockwise to weaken the sensitivity ;
- 5.2 Adjust the number of triggers as follows :
 - A. turn the ⑧ switch to left the power off position , turn ⑨ switch to left the manual position ;
 - B. Cut LK203 power, and connect power again after 10 second, in the begin 5 second turn the switch ⑨ left and right for 6 times, when see the white light flash you can process the trigger time setting;
 - C. Continue turn switch ⑨ and select the trigger time: purple (Alarm with a trigger), Yellow(Alarm with multiple trigger),pink-blue(alarm with a lot trigger) ;
 - D. Select the color and wait for seconds for the green light to flash and then exit the setting automatically. Turn the switch ⑧ and ⑨ back to the required working position;

6. Fault handling

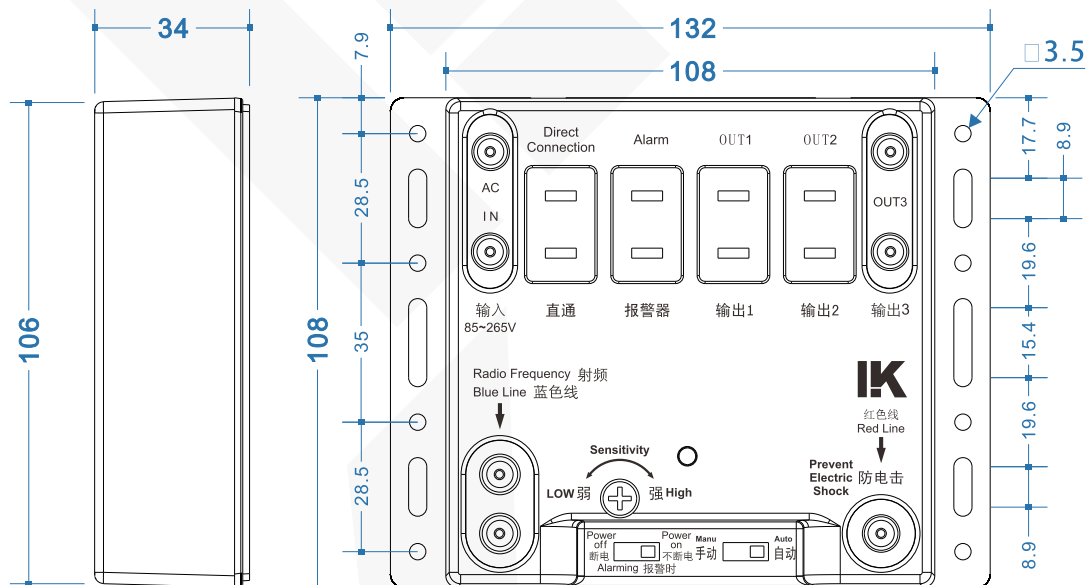
Serial No	Failure phenomenon	Solution
1	No response / Status LED is not on	Check if the input terminal is connected and if the external power supply is normal
2	No output immediately after power on	LK203 function of power-on 8 seconds delay output
3	External alarm does not ring	Check if the external alarm is connected to the external socket of the alarm
4	No alarming	Check if wires in perfect connected, the red antenna need is plugged into the anti-high voltage shock terminal, the blue antenna should be connected to the anti-RF interference terminal, and the antenna clips onto the metal parts of the cabinet and makes good contact
5	The machine is not powered on when alarmed	The power supply of the machine is not plugged into the output terminal, and the power off/on switch is not in the off position
6	No recovery after alarming	Manual/Auto switch is not in the auto position

7. Usage Diagram:



8. Product dimension diagram

Company: mm



Package

Package	60PCS/SET
Package Size	59*35*38cm
Single weight	0.28KG
Whole weight	17.9KG