# LiKang Front inserting coin acceptor

# LK730 manual V2.21

## Product Features

1.Suitable for various of metal coins;
2.CPU process control, score accurately;
3.Special precise/normal stall, coin smoother;
4.Powerful prevent phishing and other means of cheating, with cheating alarm;
5.Circuit parts made by SMT technology,quality and stability;
6.With indicator light(Light on the mask of coin slot will be luminous );
7.Open cover design, completely solve the coins jamming and blocking;
8.The working state of coin acceptor can be controlled.
(Reject coins, can be selected according to clients' requirement).

## Steps for usage

1.Take out the plastic coin from the slot, put your coin in;
2.According to your coin,select the sensitivity.If you require a high accuracy,adjust it to “precision”.If some true coins were misjudged as false coins，adjust it to “normal”;
3.According to machine's motherboard,select the output pulse switch (25ms/50ms/100ms,usually use 25ms) ;
4.According to machine's motherboard,select the output mode NC(normally close)/NO(normally open).Usually use NC stall;
5.Install coin acceptor,it can be used after connecting power and signal wiress.

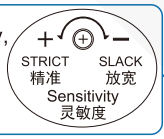




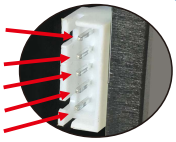

Mounting holes: With a square neck screw diameter of 4mm

Step①:Pull up, remove the red example coin, then put your reference coin.

Adjust the sensitivity slightly, the factory has adjusted to a reasonable position.

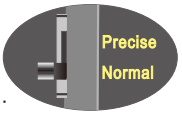



Code table (gray)
Power12V(red )
Signal output(white)
Power ground (black)
Code table(gray)
Reject coin signal (yellow)

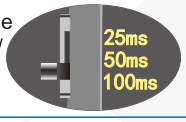


Wire of rejecting coins(This function can be selected according to clients' requirement): Enable function / reject coin.

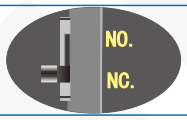
Step②:Set SW1, sensitivity switch, select precise/ normal, the factory setting is normal.




Step③:Set SW2, select the output pulse switch(25 ms/ 50ms/100 ms),the factory setting is 25ms.




Step④:Set SW3 output mode, select NC/NO, the factory setting is NC.




Coin slot: Please use the coins $\phi$20mm~$\phi$29mm,the thickness of the coins is 1.2mm~2.4mm.

Indicator light:(Circular shape)
★No sample coin:Red in gradual change;
★With sample coin: Blue⇄Purple⇄Red cyclic gradient;
★Insert true coin: Blue flashs several times
★Insert false coin:Red and blue flash alternatively several times;
★Coin acceptor will stop working when it shows red in gradual change(or red and blue alternating flash quickly )

Coin bar;
When a larger diameter coin or a foreign body stuck,flip the level to exit the foreign coin.

Coin mouth:
False coin/foreign body from here to exit.

## Communication circuit

Coin detected “real coin”, when the circuit gives a pulse signal (the pulse signal can be selected by the switch SW1,normally closed or normally open output;SW2 switch to select pulse width,see Figure 1)
The circuit output of this product is a triode collector or MOS tube drain open output , When it is used,users are advised to use optocouplers to receive signals when designing the interface circuit (see Figure 2).

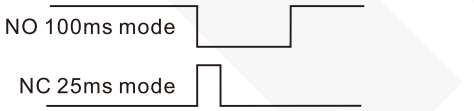



Figure 1

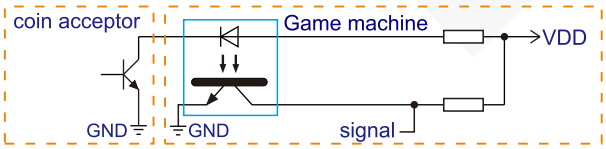
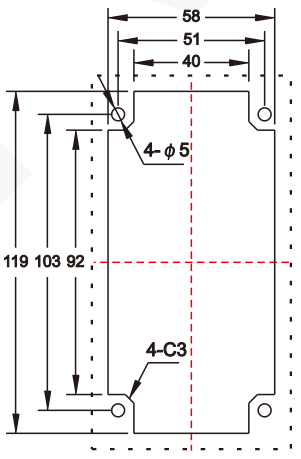
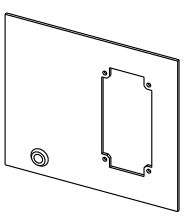
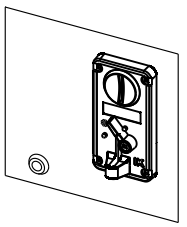



Figure 2

## The size diagram and effect diagram Unit:mm



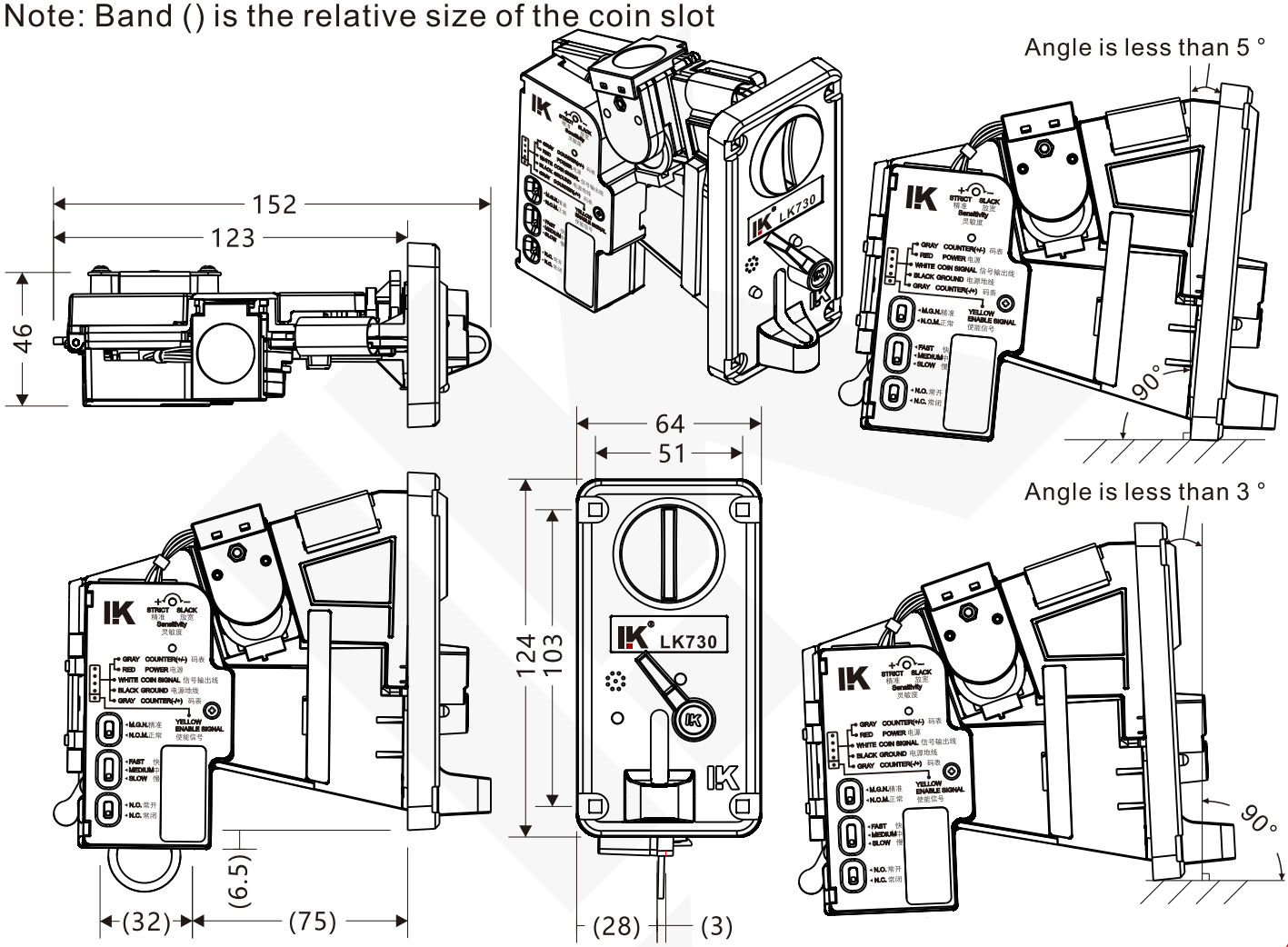





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## Product Size Unit: mm

Note: Band () is the relative size of the coin slot




### Common abnormalities handling

A.Coin not passed
1.If there is poor contact in the coin power outlet;
2.If the wiring is correct;
3.If there is a foreign body in the coin track;
4.If power supply 12V is normal;
5.If the out mouth of coin is smooth;
6.If prototype is fit correctly;
7.If mounting depth is enough;
8.If there is a foreign body in the coin track, such as electric eye position is blocked.

B. Coin not score
1.If SW1 NO/NC is set matched;
2.If SW2 plus width is matched;
3.If the signal is connected well,if connection method is correct;
4.Coin signal and open collector output,if the target board is connected with pull-up resistor.

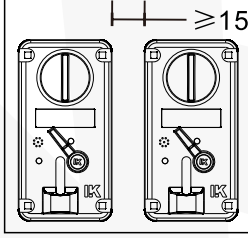
C. Coin not smooth
1.Adjust precise switch, precision stall:more stringent selection, commonly normal stall;
2.If prototype is fit correctly;
3.If coin slot is smooth,such as hopper tank depositing port and slot machine outlet slot are aligned;
4.Adjust VR knob,clockwise screening more relaxed, counterclockwise more strict.

D. Accept false coin
1.Adjust precise switch to precision stall;
2.Counterclockwise adjust VR knob(counterclockwise more strict)

E. Code mode doesn't move
1.If the wiring is correct(An end of the code table is connected with code table line , the other end of DC+12V);
2.If the code mode is bad;
3.Cable resistance is too large, resulting in power is below standard;
4.The power supply voltage and rated voltage code table required are the consistent.

### Assemble requirements

To prevent interference from adjacent signals,the adjacent mounting distance should be greater than 15mm.




### Basic parameters

| | |
|---|---|
| Operating voltage | DC12V ±10% |
| Operating currency (Maximum current) | ＜650mA |
| Standby currency | ＜50mA |
| Operating temperature | -15℃～+75℃ |
| Output mode | OC. |
| Output signal | 25ms/50ms/100ms |
| Coin diameter | 20mm～29mm |
| Coin thickness | 1. 2mm～2. 4mm |
| Package | 30PCS/SET |
| Package Size | 51*37*28cm |
| Angle assembly | -3~5° |

### Product weight Unit:KG

| | |
|---|---|
| Product mode | LK-730 |
| Single weight | 0. 38 |
| Whole GW | 12. 5 |

If product technology improved, it will be edited in the new manual without notice. The ultimate interpretation of this manual is up to Guangzhou Likang Electronic Technology Co.,Ltd.

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