Likang Front inserting coin selector
LK740METALL Manual

Product Features

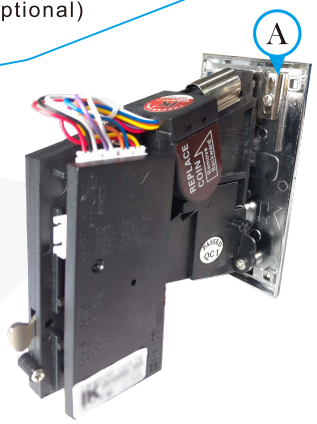
1. Suitable for a variety of metal coins;
2. CPU process control, accurate scoring;
3. Special precision/normal stall, coin smoother;
4. Optional output pulse width;
5. Prevent fishing and other means of cheating, cheat alarm;
6. Prevent diameter of the coin is 2mm less that the sample one;
7. Wire part of the whole SMT technology, quality and stability.

Steps for usage

1.Adjust the metal piece on the rear of panel to prevent too large coins. (This metal piece is optional);
2.Take out the plastic coin from the slot, put your coin in;
3.According to machine's motherboard,select the output mode NC(normally close)/NO(normally open).Usually use NC stall
4.According to machine's motherboard,select the output pulse switch (20ms/40ms/100ms,usually use 20ms) ; ;
5.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”;
6.Install coin acceptor,it can be used after connecting power and signal wiress.

A Step①:
Adjust the metal piece to prevent too large coins.
Adjustment method: Loosen the screws, slide metal sheet vertically to the appropriate location. Down through, the coin diameter is smaller; upward through, the coin diameter is larger. Transfer to the appropriate position, and then tighten the screws. (This metal part is optional)



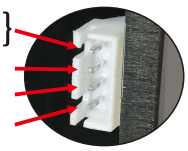


B Step②:Pull up, remove the red example coin, then put your reference coin.

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



D
Code table(gray)
Power 12V(red)
Signal output(white)
Power Ground(black)
Code table(gray)



E Step③:Set SW1 output mode, select NC/NO, the factory setting is NC.



F Step④:Set SW2, select the output pulse switch(20 ms/ 40ms/100 ms),the factory setting is 20ms.

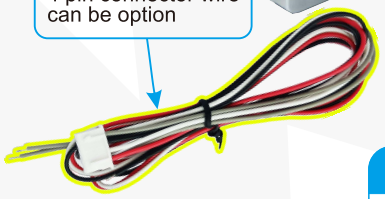


G Step⑤:Set SW3, sensitivity switch, select precise/ normal, the factory setting is normal.





4 pin connector wire can be option



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



I Coin slot: Please use the coins ϕ20mm~ϕ30mm,the thickness of the coins is 1.2mm~ 3.0mm.

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

K 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).

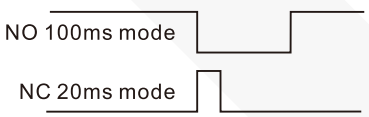


Figure 1

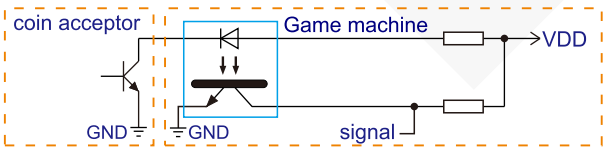
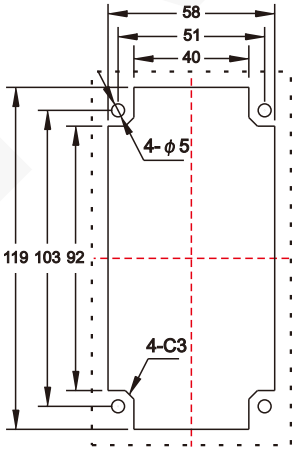
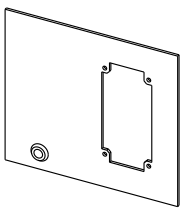
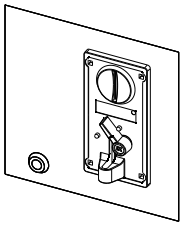


Figure 2

The size diagram and effect diagram Unit:mm



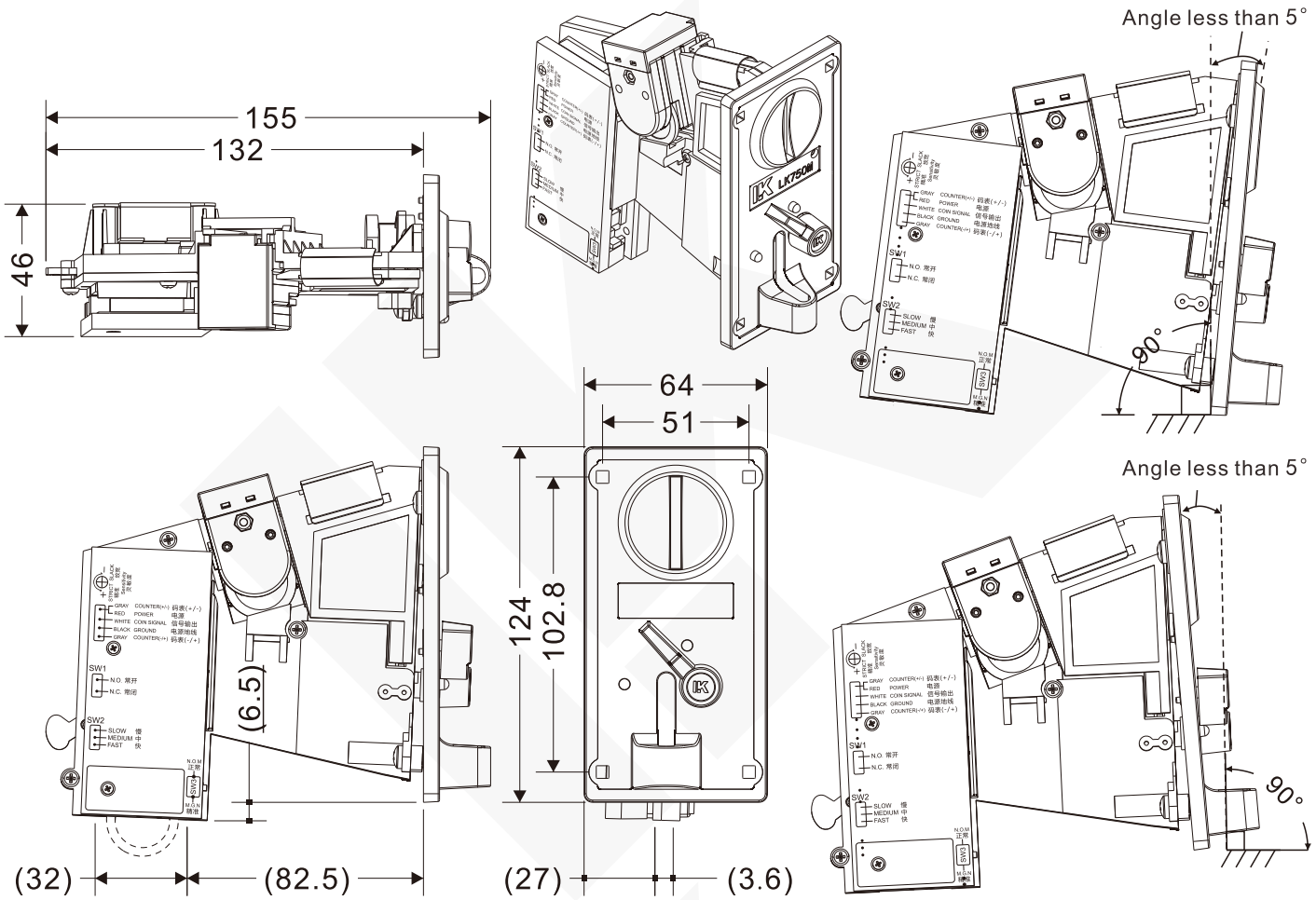




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Product size Unit: mm

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



Common abnormalities handling

A. Coin is not passed:
1.The existence of poor contact;
2.The wiring is not correct;
3.A foreign body is on the Channel;
4.Power supply 12V is not normal;
5.The out mouth of coin is not smooth;
6.Prototype is not fit correctly;
7.Coin coins if there are foreign bodies inside track , such as the electric eye position is blocked.

B. Coin is not scoring (eating coin):
1.SW2 pulse width is not match set;
2.SW1 NO/ NC is not match set;
3.The signal line is unconnected , connection method is not correct;
4.Coin signal and open collector output , the target board is not connected Pull-up resistor .

C. Coin is not smooth:
1.Adjust the switch accuracy , precision stall : more stringent selection,use normal stall;
2.The prototype is not good clip;
3.The coin mouth is not smooth;
4.Adjusted VR knob : clockwise screening more relaxed , counterclockwise strict.

D. Accept counterfeit coin:
1.Adjust the switch stall accuracy;
2.VR adiustment knob counter-clockwise : clockwise screening more relaxed.Counterclockwise strict.

E. Code table does not move :
1.Wiring is not correct ; (one end of the code table is not connected with the code table line , the other end of DC + 12V)
2.The code table is bad;
3.The cable resistance is too large , resulting in power mainly the code table;
4.Does the supply voltage and rated voltage requirements of the code table match.

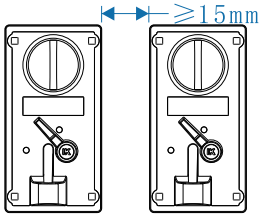
F.Multi alarm:
1.The outlet is bad connected;
2.If a foreign body on the coin channel;
3.Reflector is off.

Basic parameters

Operating voltage			DC12V±10%
Standby currency			<50mA
Operating currency (Maximum current)			<650mA
Operating temperature			-15℃~65℃
Output mode			OC.
Output signal			20ms/40ms/100ms
Coin diameter			20~30mm
Coin thickness			1.2~3.0mm
Angle assembly			-5°~5°
Individual packaging	Meas		161*69*131mm
	Gross weight	Without wire	423g
		With wire	431g
Carton packaging	Package		30PCS/SET
	Meas		51*37*28cm
	Gross weight	Without wire	13.44KG
		With wire	13.69KG

Assemble requirements

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



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

V3.31

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