

# Likang Front inserting coin selector LK740METALL Manual v3.31

## 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 than the sample one;
7. Wire part of the whole SMT technology, quality and stability.

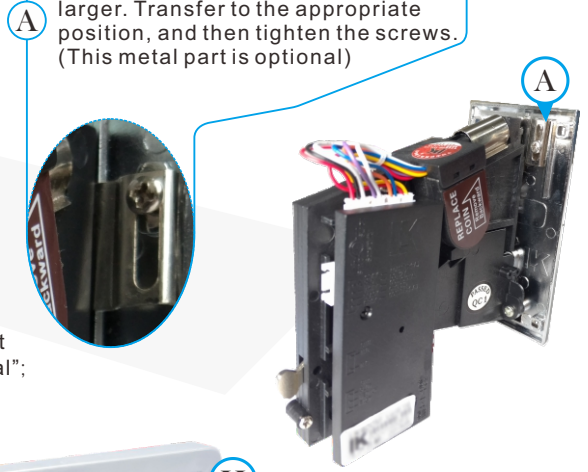
## Steps for usage

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 wires.

### 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)

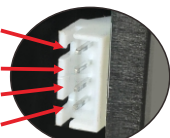


**B** Step②: Pull up, remove the red example coin, then put your reference coin.

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



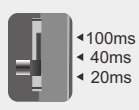
**D** Code table(gray)  
Power 12V(red)  
Signal output(white)  
Power Ground(black)  
Code table(gray)



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



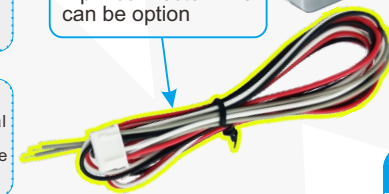
**F** Step④: Set SW2, select the output pulse switch (20 ms/40ms/100 ms), the factory setting is 20ms.



**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  $\phi 20\text{mm} \sim \phi 30\text{mm}$ , 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).

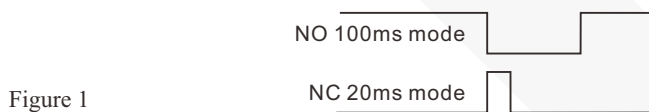


Figure 1

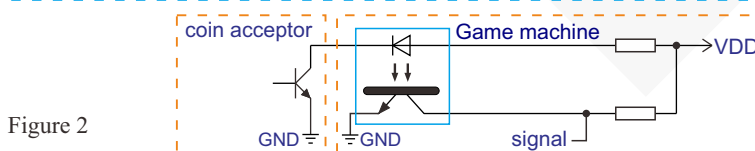
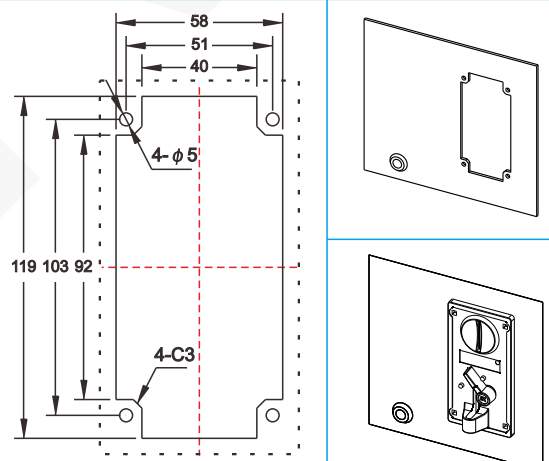
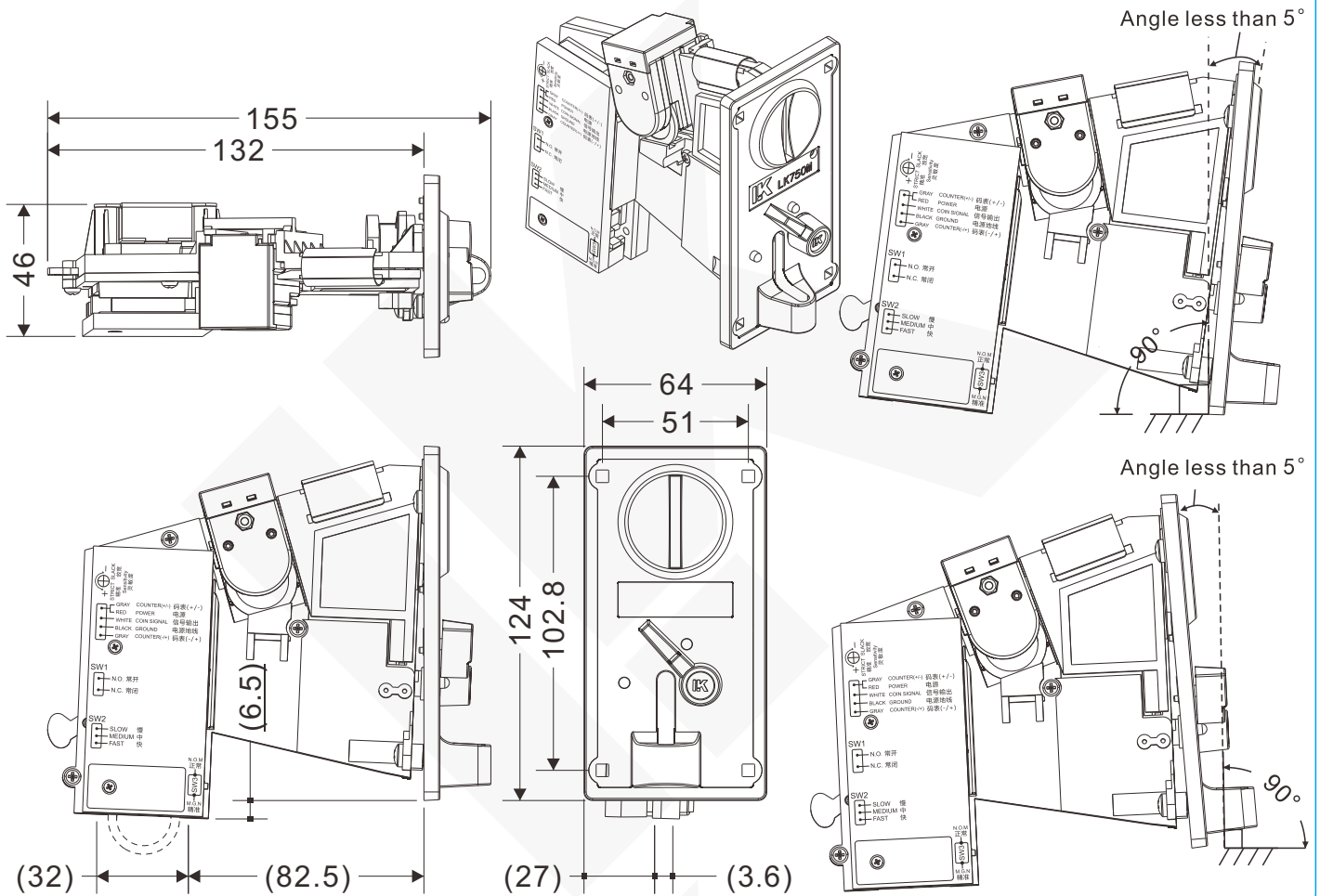


Figure 2

## The size diagram and effect diagram Unit:mm



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



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 adjustment 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 currencty	< 50mA		
Operating currencty (Maximum current)	< 650mA		
Operating temperature	-15°C~65°C		
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 adjacent mounting distance should be greater than 15mm.

