# LK-826 manual

## Product Features

1.Suitable for metal tokens;
2.CPU control for accurate count. Characteristics: precise，quick;
3.Full-new structure design can solve the problem of stuck coin completely;
4.Recognize different sized coin . With indicator light;
5.Selectable output pulse width and accuracy;
6.Anti-cheating and anti-fishing methods effectively;
7.Circuit board adopts SMT technology with anti-fishing function;
8.More function setting options to meet the various requirement of customers.
(Such as: setting the coin/ score proportion, higher resolution mode, etc.)

## Step for Usage

1.Adjust the sliding gear(with slightly press)to prevent misinjection of tokens with excessive diameter.
2.Take out the plastic coin from the slot, put your coin in;
3.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”;
4.According to machine's motherboard,select the output pulse switch (25ms/50ms/100ms,usually use 50ms) ;
5.Install coin acceptor.it can be used after connecting power and signal wiress.

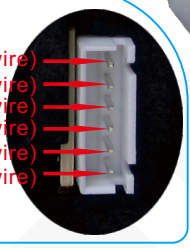
A Coin Return Bar: Press the bar when the stuck situation happened

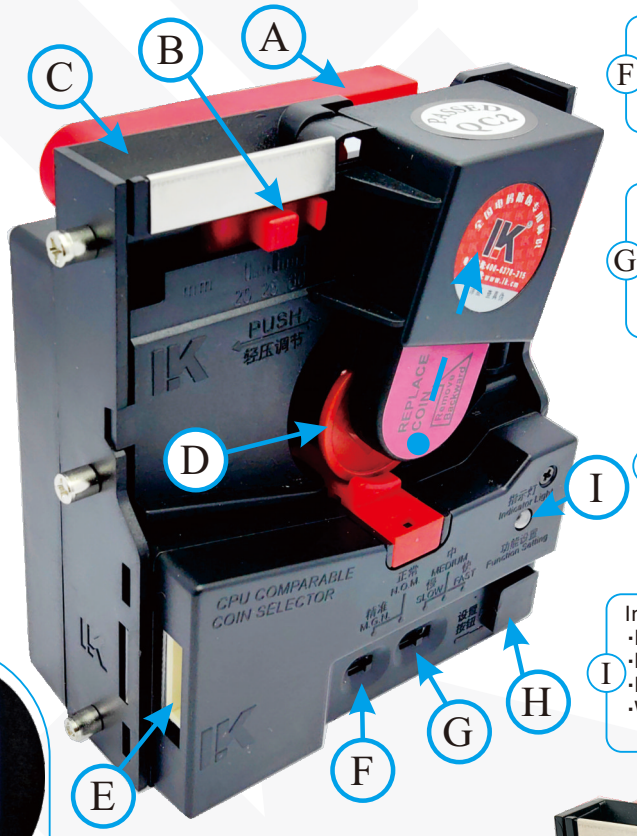
B Step 1: Move the red slip gear with slightly press . small diameter for left side, large diameter for right size. After moving to proper point, release hand the diameter will be aimed. (the scale is 21~32mm)

C Coin Slot: the token diameter is 20~29mm.

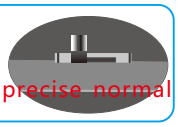
D Step 2: Change the red reference coin into token.

E Plug Instruction

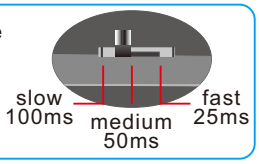


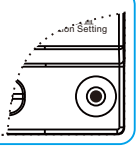

F Step3: sensitivity switch select precise / normal default normal



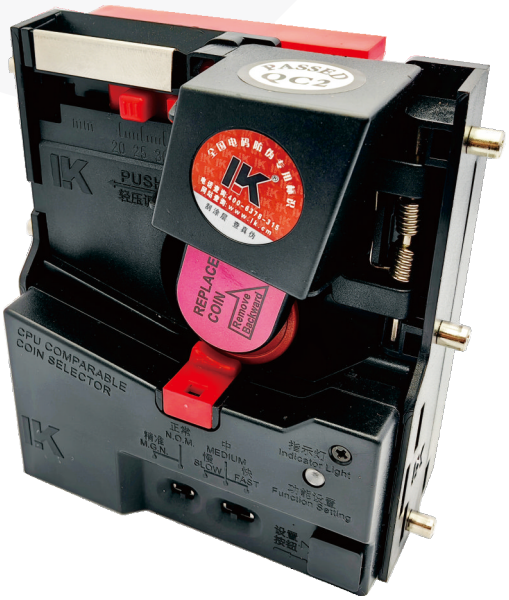

G Step 4 set pulse
slow: 100ms
medium: 50ms
fast:25ms
default 50ms




H Function Setting Button: read ‘Function Setting Operating Direction (H)’. Please reconnect the power if make mistake during the setting process.



I Indicator Light :
·Red light : Without reference token;
·Blue light : With reference token;
·Purple light for once time : Drop true coin;
·Without reference coin or working abnormal in red light.




## Communication circuit

When the coin acceptor detects "real coins". The circuit gives a normally closed pulse signal and a normally open pulse signal.
(The pulse signal width can be selected as 25ms/50ms/100ms)
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).

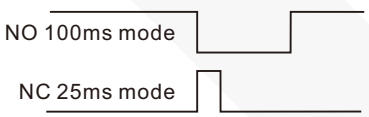



Figure 1

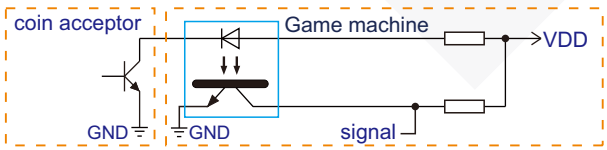



Figure 2

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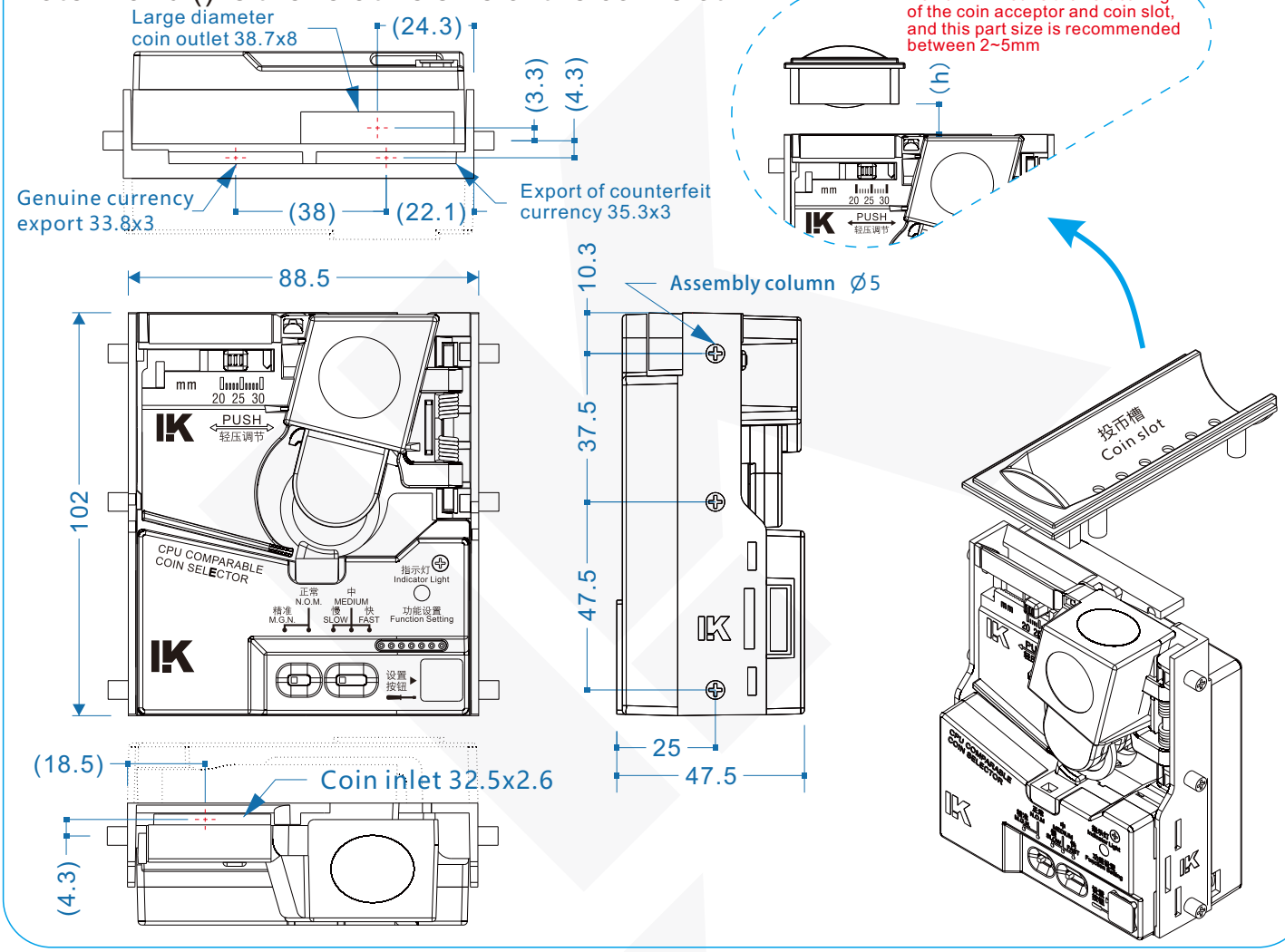
# Product Size Unit: mm

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




## Common abnormalities handling

A.Card currency
1.Check whether the coin slot of the machine is aligned with the coin slot of the coin dispenser;
2.Check if the coin slot of the machine and the coin slot of the coin dispenser are skewed.

B.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.

C. 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.

D. 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.

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

F. 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.

## Basic parameters

| | | | |
|---|---|---|---|
| Operating voltage | | | DC12V±10% |
| Standby currency | | | ≤60mA |
| Operating currency (Maximum current) | | | ≤800mA |
| Suggested Input | | | 12V ⎓ 1.5A |
| Operating temperature | | | -15℃~65℃ |
| Output mode | | | OC. |
| Output signal | | | 25ms/50ms/100ms |
| Coin diameter | | | 20~29mm |
| Coin thickness | | | 1.2~2.3mm |
| Individual packaging | Meas | | 106*60*115mm |
| | Gross weight | without wire | 233g |
| | | with wire | 255g |
| Carton packaging | Package | | 60PCS/SET |
| | Meas | | 440*320*370mm |
| | Gross weight | without wire | 14.8KG ±5% |
| | | with wire | 16.1KG ±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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# Function Setting Operating Direction (H)

| Function | High Resolution Mode ① | More High Resolution Mode ② | Coin/ Score Mode setting ③ | Restoring Factory Settings |
|---|---|---|---|---|
| Coin Status | YES | | | NO |
| Enter Menu | Pressing three seconds to enter the selection menu (the indicator light changes from flashing purple light to constant red light before proceeding to the next step) | | | |
| Enter Sequence | Short press 1 time | Short press 2 times | Short press 3 times | Short press 1 time |
| | After pressing it, wait for 3 seconds to enter the corresponding setting (the color of the indicator changes every time you press it) | | | |
| Operation description | More accurate coin selection . Automatically set and exit after entering. | Sensitivity switch must be set to precise position, dropping 10 real coins firstly, then dropping 10 fake coins . After the coin is inserted or there is no operation for 1 minute, Coin acceptor will automatically exit the setting . | After entering this mode, please drop coins. For example, when dropping five coins, the record will be 5 scores for 1 coin.Coin acceptor will exit this mode while long pressing any button for 3 seconds or without operation for 1 minutes. | Parameter restore to factory settings (the setting of Coin& Score Mode setting cannot be restored by restoring factory settings) After entering, it will automatically restore the settings and exit. |
| | Purple light flashes →blue light on (setting completed) | Purple light flashes→ Purple light off→ Drop 10 real coins → Purple light flashed then off→Drop 10 fake coins →Purple light flashed→Blue light on (setting completed) | Purple light flashes→ Purple light off→ color of each coin changes (blue and red alternate) →long press for 3 seconds or 1 minute without operation (the purple light flashes)→Blue light on (setting completed) | urple light flashes→ Red light flashes (setting completed) |

**Please plug in again if you make mistakes during the operation!!!**

Remark 1,2: Under the high recognize mode, if material of the token have big difference with the reference coin will cause poor operation. Therefore, the small difference material token or using default setting is recommended.
Remark 3:For example, coin-score set in 1:100, the time for showing score under slow/regular/quick is 20/10/5 seconds. Due to the Score will show up slow will easy make user confusing, LK team recommend the coin-score setting should not beyond 1:20.

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