

# LiKang Front inserting coin acceptor

## LK781 manual

### 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. Excellent technology in circuit part, stable and reliable quality;
6. Open cover design, completely solve the coins jamming and blocking;
7. The panel adopts patent design, anti-phishing and anti-cheating.

### Steps for usage

1. Take out the plastic coin from the slot, put your coin in;
2. According to machine's motherboard, select the output mode NC (normally close)/NO (normally open). Usually use NC stall
3. According to machine's motherboard, select the output pulse switch (25ms/50ms/100ms, usually use 25ms);
4. 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";
5. Install coin acceptor, it can be used after connecting power and signal wires.

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

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

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

**D** Step②: Set SW1 output mode, select NC/NO, the factory setting is NC.

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

**F** Step④: Set SW3, sensitivity switch, select precise/normal, the factory setting is Normal.



4 pin connector wire can be option

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

**H** Coin slot: Please use the coins  $\phi 20\text{mm} \sim \phi 29\text{mm}$ , the thickness of the coins is 1.2mm~2.2mm.

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

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

### Communication circuit

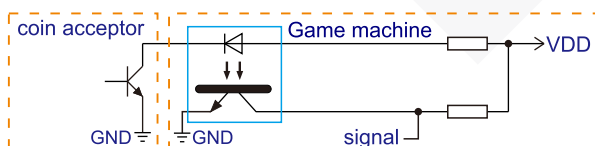
Coin detected "real coin", when the circuit gives a pulse signal (the pulse signal can be selected by the switch SW1, normally closed or normally open output; SW2 switch to select pulse width, see Figure 1)

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).

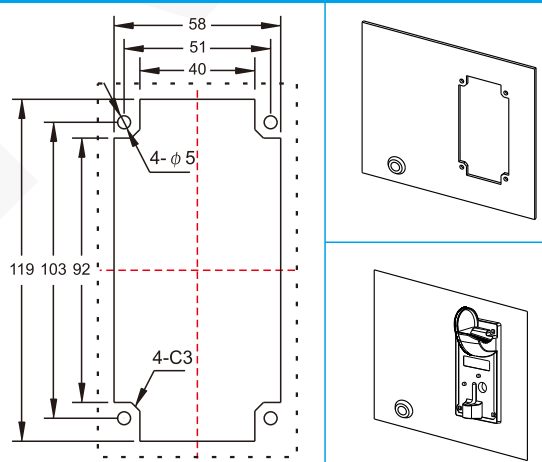


Figure 1

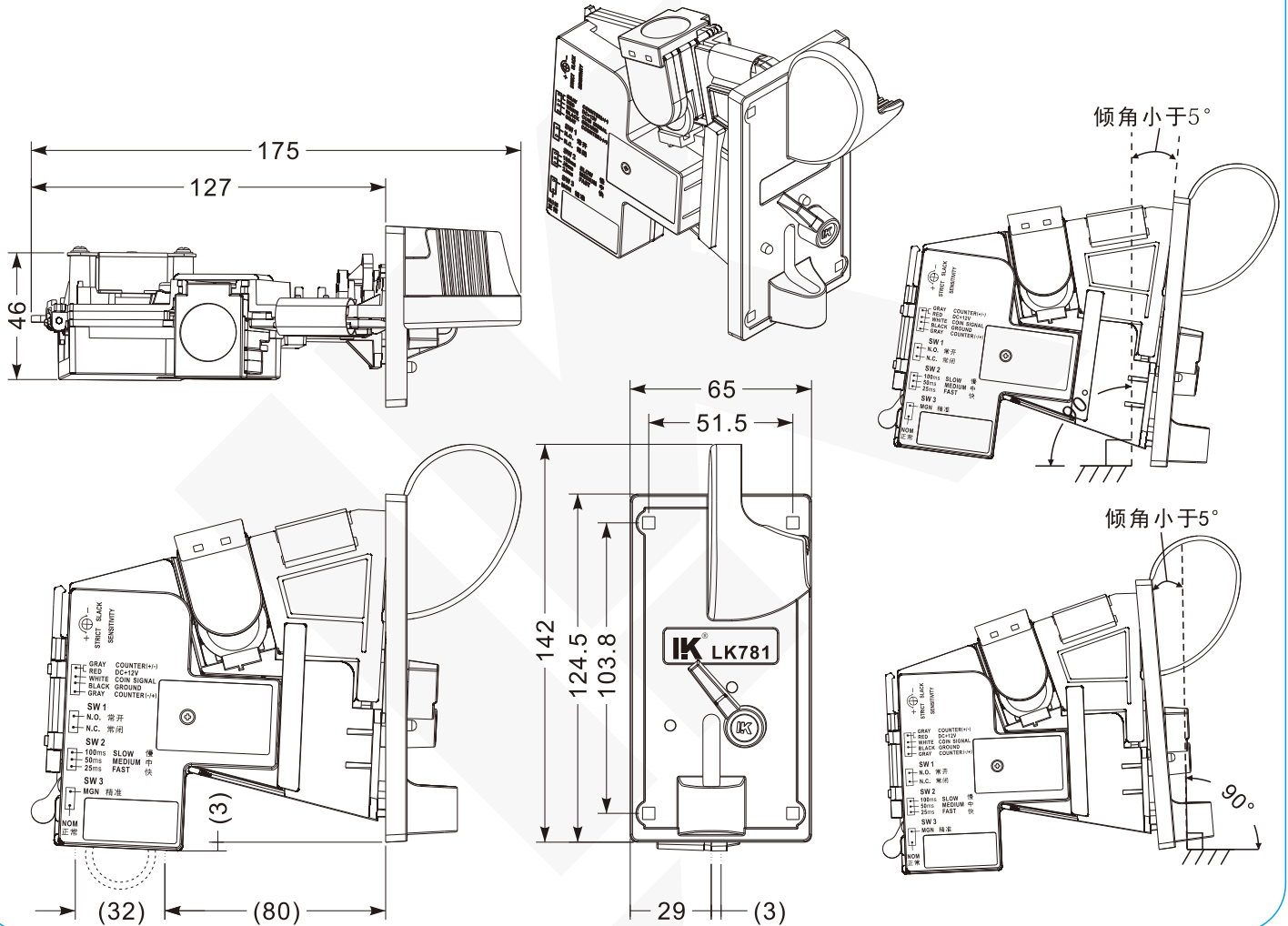
Figure 2



### The size diagram and effect diagram Unit:mm



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



### Common abnormalities handling

#### A. Coin 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.

### Basic parameters

Operating voltage		DC12V±10%
Standby currency		< 50mA
Operating currency (Maximum current)		< 650mA
Operating temperature		-15°C~65°C
Output mode		OC.
Output signal		25ms/50ms/100ms
Coin diameter		20~29mm
Coin thickness		1.2~2.2mm
Angle assembly		-5°~5°
Individual packaging	Meas	198*166*86mm
	Gross weight	Without wire 401g
		With wire 410g
Carton packaging	Package	30PCS/SET
	Meas	53*42*45cm
	Gross weight	Without wire 13.1KG
		With wire 13.4KG

### Assemble requirements

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

