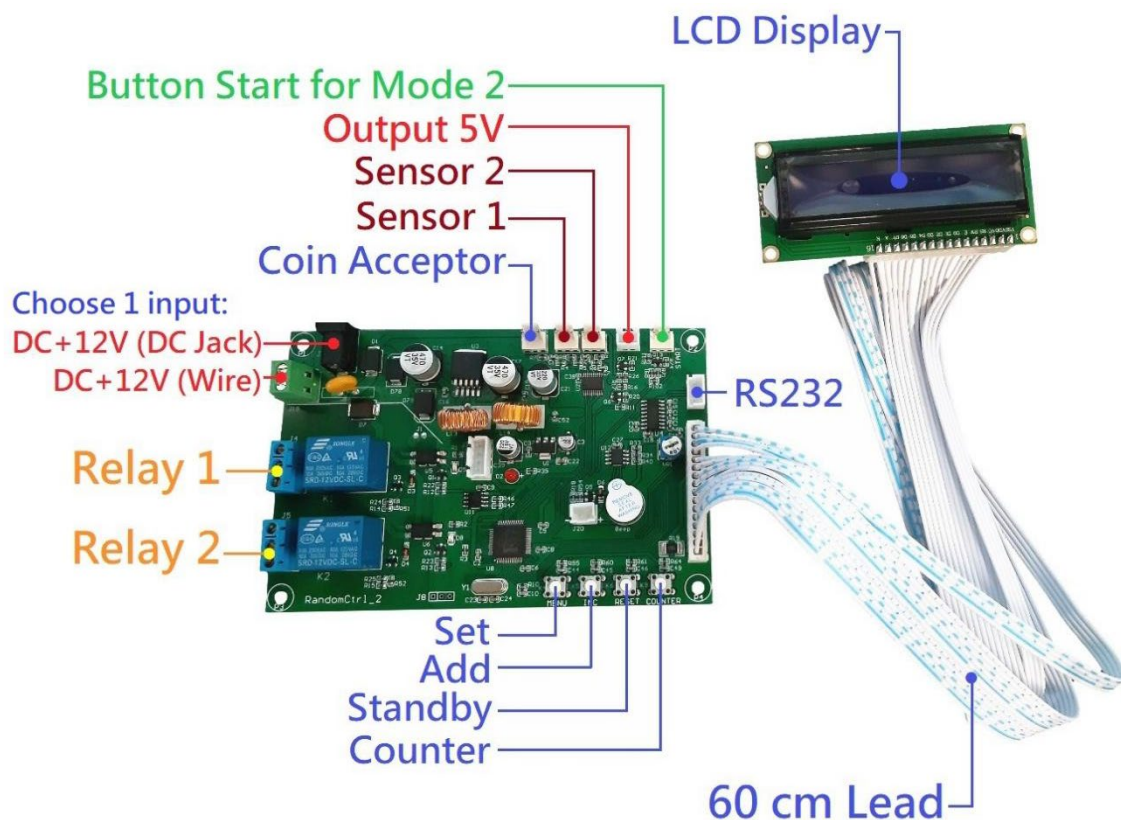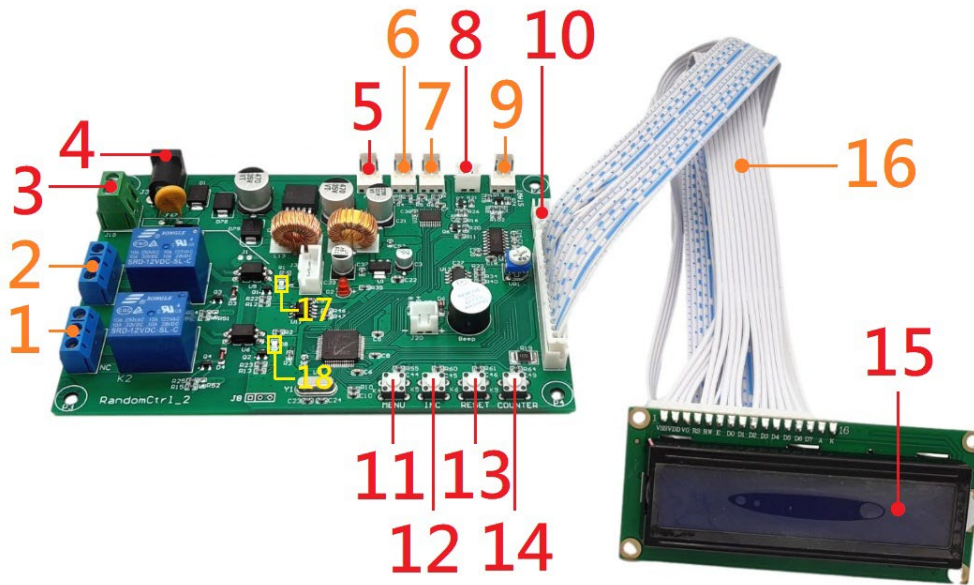# JY-146 Random Control Board

- Function: 2 operate Modes

  ◎ **Mode 1:** Start after pay

  Pay→Random operate 1 relay→Receive sensor signal→Stop the relay

  ◎ **Mode 2:** Start after push button

  Pay→Push button START→Random operate 1 relay→Receive sensor signal→

  Stop the relay

- Specification:

  ◎ Input Voltage: DC+12V

  ◎ Control Way: Relay control

  ◎ Max load: 5A

  ◎ Display Language: English, Spanish, Chinese

  ◎ Inbuilt Reset counter: Record income, sensor signal 1 and sensor signal 2

  ◎ Warning Sign: Output 5V indicate short of stock.

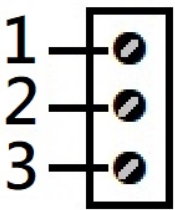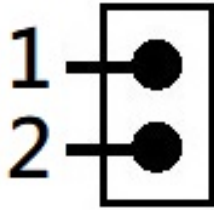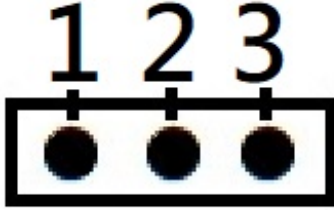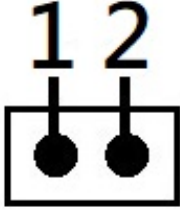 ◎ Operation Signals: Pulse or RS232

- Summary:

JY-146 Random Control Board

Interface Description

1: Relay 2
2: Relay 1
3: DC+12V input: wire type
4: DC+12V input: 5x2.5mm DC Jack
5: Coin Acceptor/Bill accpetor
6: Sensor 1 input
7: Sensor 2 input
8: Stock warning: Output 5V
9: Button start for mode 2

10: RS232
11: Button Set
12: Button Add
13: Button Standby
14: Button Counter
15: LCD Display
17: Relay 1 working indicate
18: Relay 2 working indicate

Connection

1/2	3	5	6/7	9	8
Relay	Input-Wire	Coin Acceptor	Sensor	Button	Output 5V
1: NO	1: GND	1: DC+12V	1: DC+5V	1: DC+5V	1: DC+5V
2: COM	2: Input: DC+12V	2: Signal	2: Signal	2: GND	2: GND
3: NC		3: GND	3: GND	3: NO	

JY-146 Random Control Board

Setting

Get in to Setting Mode: Press "Set" when standby.

Switch to next option: Press" Set" when setting

Adjust value or change setting: Press Add

Switch to next digit: Press Counter when setting

Check counter: Press counter when standby

Reset counter: Hold on counter for 2 seconds when checking counter

Option	Range	Description	Example
Language	English, Spanish, Chinese		
Mode	1/2	1: Pay → Start relay after pay 2: Pay→Push button START→Start relay after	1
Price	1-200	Collect input pulse to active	001
Stock	1-3000	Output 5V if total sensor signals reach setting	0005
Collect Sensor Signal	1-10	Collect sensor signal to stop relay	01

Example:

Pay＄1 → Random work 1 relay → Receive 1 sensor signal → Stop the relay
Total receive 5 sensor signals → Output 5V