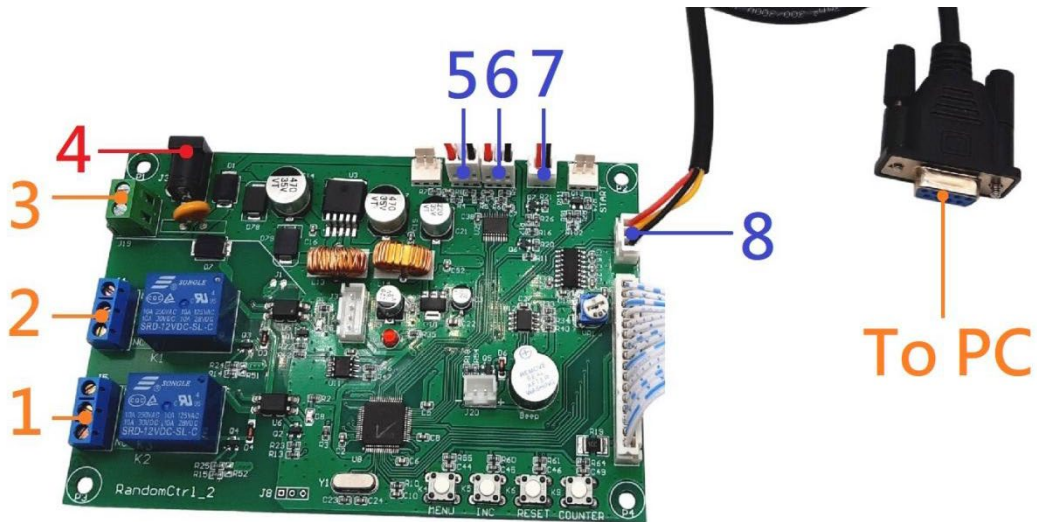
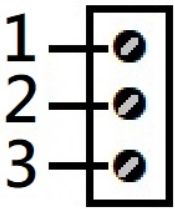
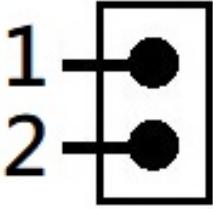
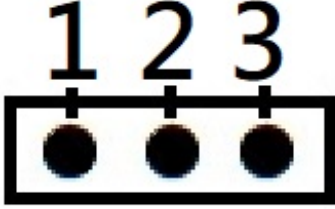
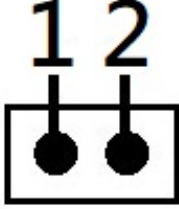


## JY-146 Random control-RS232

- Input Voltage: DC+12V
- If you use RS232, please skip setting on control board
- Connector Description:



- 1: Relay 2
- 2: Relay 1
- 3: Input DC+12V - Wire
- 4: Input DC+12V - 5\*2.5 DC Jack
- 5: Sensor input 1
- 6: Sensor input 2
- 7: Output 5V
- 8: RS232 connector

|   |   |  |   |
|---|---|--|---|
|  |  |  |  |
| <b>1/2</b>  | <b>3</b>  | <b>5/6</b>   | <b>7</b>  |
| Relay   | Input-Wire  | Sensor   | Output 5V   |
| 1: NO<br>2: COM<br>3: NC  | 1: GND<br>2: Input: DC+12V  | 1: DC+5V<br>2: Signal<br>3: GND  | 1: DC+5V<br>2: GND  |

## JY-146 Random control-RS232

- **Specification:**

(115200,N,8,1)

Baud rate: 115200

Data Bit: 8

Send Display: Char Format

Parity Bit: NONE

Stop Bit: 1

Receive Display: Hex Format

- **Construction:**

Head (1) + Len (1) + Data (LEN) + XOR (1) + TAIL (1)

Head (1): 0x55

Len (1): Data Length

Data (Len): Length is based on Len (1)

Xor (1): From Len (1) to Data (Len)

Tail (1): 0xAA

- **Receive Sensor Pulse Signals**

Len (1): 03

Data: Channel (1) +Pn\_LL(1) +Pn\_HH(1)

Note: Low position first then high position.

Data = CMD (1) + Result (1)

CMD (1): Respond “order byte”, 1 byte

Result (1): Respond order result. 0x00 indicates success.

If value is not 0x00, it indicates fail.

- **Order Detail**

| No. | Action                              | Receive           | Success Respond   | Fail Respond      |
|-----|-------------------------------------|-------------------|-------------------|-------------------|
| 1   | Relay random on                     | 55 01 50 51 AA    | 55 02 50 00 52 AA |                   |
| 2   | Relay 1 on                          | 55 02 51 01 52 AA | 55 02 51 00 53 AA | 55 02 51 EE BD AA |
| 3   | Relay 1 off                         | 55 02 51 00 53 AA |                   |                   |
| 4   | Relay 2 on                          | 55 02 52 01 51 AA | 55 02 52 00 50 AA | 55 02 52 EE BE AA |
| 5   | Relay 2 off                         | 55 02 52 00 50 AA |                   |                   |
| 6   | All relay off                       | 55 01 54 55 AA    | 55 02 54 00 56 AA |                   |
| 7   | Output 5V<br>(Connector 7)          | 55 02 53 01 50 AA | 55 02 53 00 51 AA | 55 02 53 EE BF AA |
| 8   | Stop outputting 5V<br>(Connector 7) | 55 02 53 00 51 AA |                   |                   |