

KYL-818 8-way wireless ON-OFF Module



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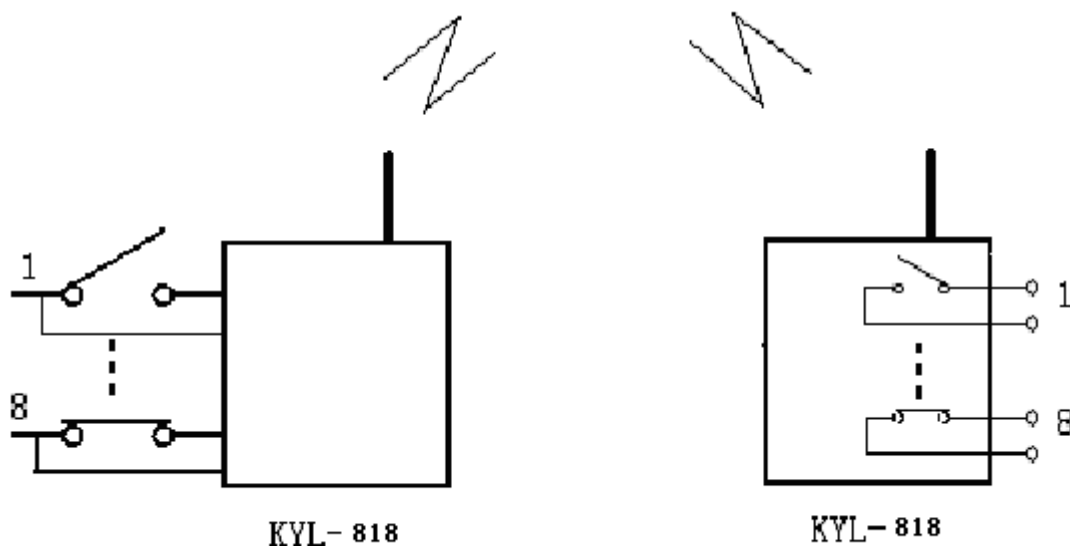
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I. Introduction

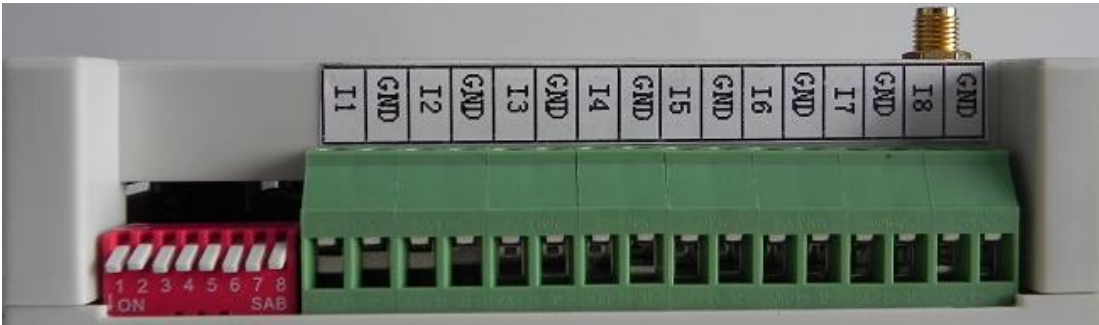
This 8-way ON-OFF module is to transmit the ON-OFF condition to a remote place wirelessly in time. When here the switch condition is ON, the output in the remote place is ON. When the local switch condition is OFF, the other terminal is OFF.



II. Features of KYL-818

- 1、 8-way isolated input, high reliability and stability.
- 2、 8-way relay dry contact output, contact current is 220V, 5A.
- 3、 Collocated with a wireless data module inside whose transmitting distance is about 2km-3km; the working frequency 433MHz (400-470MHz); RF power: 1000mW; Receiving sensitivity: -123dBm
- 4、 Receiving current: 60mA; transmitting current: 350mA
- 5、 Power supply: DC 12V-30V
- 6、 Dimension: 145mm*90mm*40mm

III. Dip switch instruction



Pic 1. DIP Switch

DIP8: working method

ON—touch off transmitting. Once you change any of the 8 channels condition, the module will send out this info .

OFF---fixed time transmitting. The master transmits 8 channels' condition to the slave every 1s or 2s (not real-time transmitting).

DIP7: master and slave choosing under the fixed time transmitting mode

ON—slave, OFF—host

DIP6: data collecting mode

The master collects input condition or controls output condition via sending data. In data collecting mode, the module can't send out data actively. That is to say touch off transmitting and timing transmitting are both invalid in this mode.

DIP5: ON--no definition

DIP1-4: channel choosing

To avoid interference, please use different DIP switch mode and choose different channels when you use several pairs of modules in the same place. Maximal 16 channels.

The following is a channel correspondence table for DIP switch 1-4:

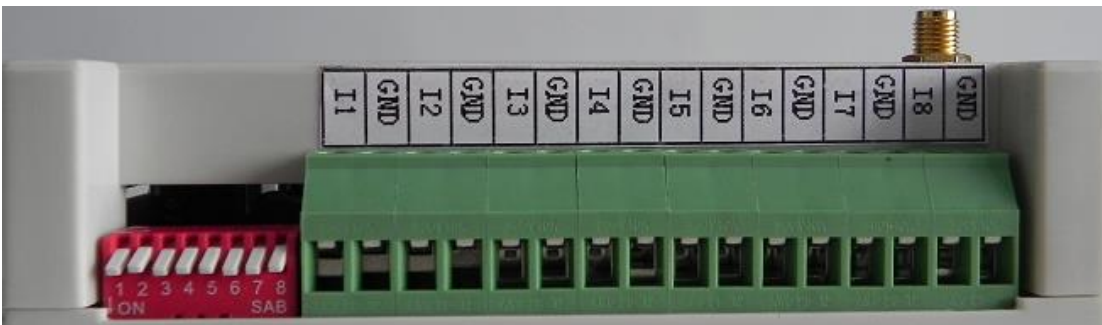
| DIP No. | Channel No. | DIP No. | Channel No. | DIP No. | Channel No. | DIP No. | Channel No. |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| | 1 | | 5 | | 9 | | 13 |
| | 2 | | 6 | | 10 | | 14 |

| | | | | | | | |
|--|---|--|---|--|----|--|----|
| | 3 | | 7 | | 11 | | 15 |
| | 4 | | 8 | | 12 | | 16 |

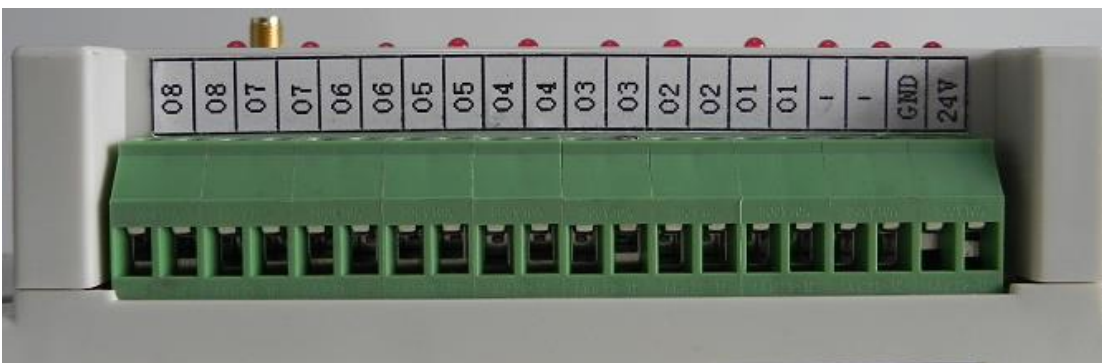
Notice:

- * For most users "touch off transmitting mode" is OK-----DIP7-ON
- * To avoid interference caused by more pairs of modules working in the same place, please choose different channels for different systems.
- * In timing mode, there should be a master and a slave.
- * changing the DIP switch just takes effect after the module is re-power on.

IV. Wiring Terminal Schematic



Pic 2: Switch input wiring terminal schematic



Pic 3: Switch output wiring terminal schematic

V. Pin Definition:

| Pin name | Pin No. | Definition | Remarks |
|----------|---------|------------|--|
| COM1 | 1 | GND | The ground of power supply |
| | 2 | VCC | DC: 12-30V |
| | 3 | - | Blank |
| | 4 | - | Blank |
| | 5 | OUT1 | The 1 st way dry contact output |
| | 6 | | |
| | 7 | OUT2 | The 2 nd way dry contact output |
| | 8 | | |
| | 9 | OUT3 | The 3 rd way dry contact output |
| | 10 | | |
| | 11 | OUT4 | The 4 th way dry contact output |
| | 12 | | |
| | 13 | OUT5 | The 5 th way dry contact output |
| | 14 | | |
| | 15 | OUT6 | The 6 th waydry contact output |
| | 16 | | |
| | 17 | OUT7 | The 7 th way dry contact output |
| | 18 | | |
| | 19 | OUT8 | The 8 th way dry contact output |
| | 20 | | |
| COM2 | 1 | IN1 | The 1 st ON-OFF condition input |
| | 2 | GND | |
| | 3 | IN2 | The 2 nd ON-OFF condition input |
| | 4 | GND | |
| | 5 | IN3 | The 3 rd ON-OFF condition input |
| | 6 | GND | |
| | 7 | IN4 | The 4 th ON-OFF condition input |
| | 8 | GND | |
| | 9 | IN5 | The 5 th ON-OFF condition input |
| | 10 | GND | |
| | 11 | IN6 | The 6 th ON-OFF condition input |
| | 12 | GND | |
| | 13 | IN7 | The 7 th ON-OFF condition input |
| | 14 | GND | |
| | 15 | IN8 | The 8 th ON-OFF condition input |
| | 16 | GND | |

VI. How to use KYL-818

1. Consider your specific application, set the DIP switch, connect VCC(12V-30V DC) and switch input and output cables as per the above instruction.
2. Power supply on for the module.
3. The factory setting is touch off transmitting mode and current channel is No.1.
4. Choose different frequency points to avoid interference caused by more pairs of modules working in the same area.