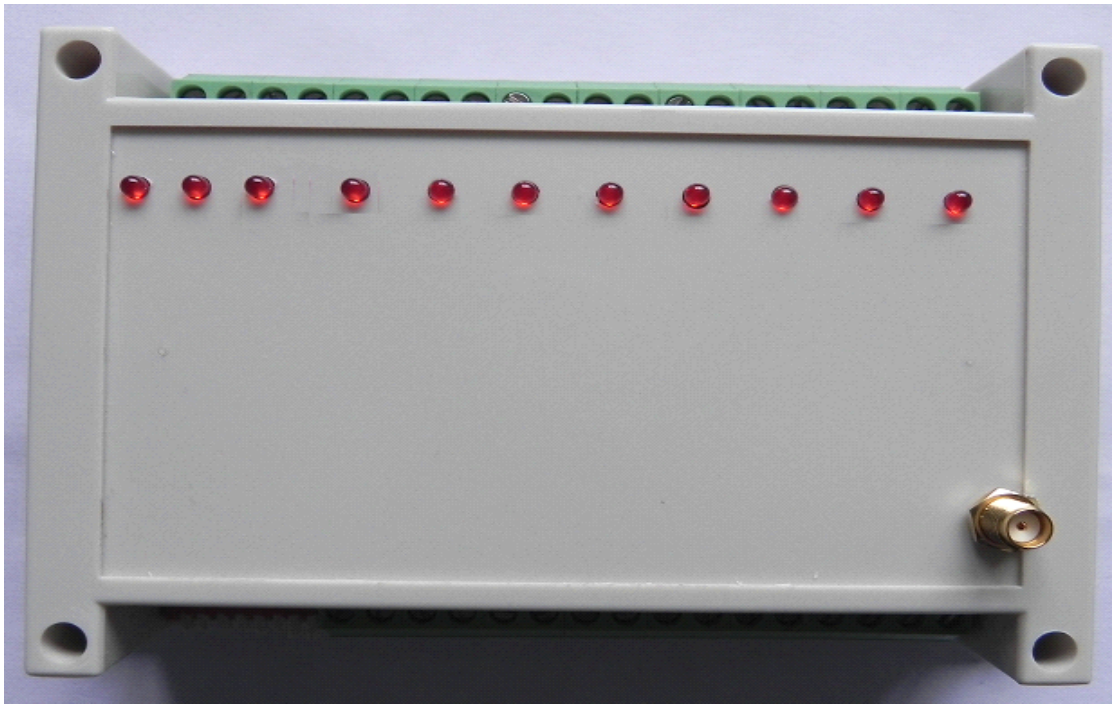
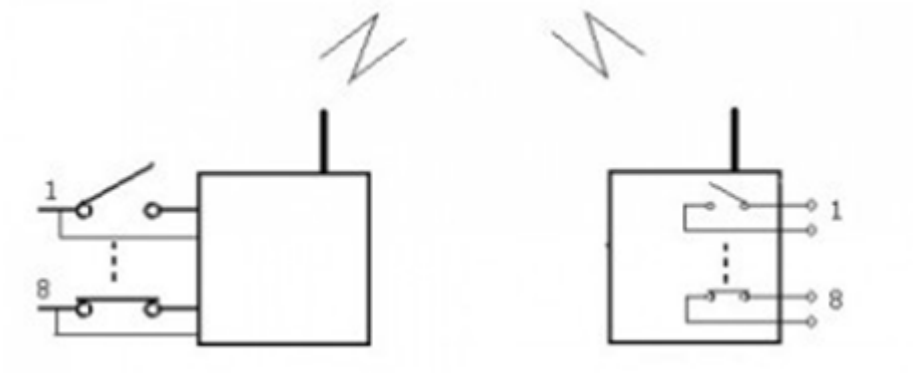
KYL-818 8-way wireless ON-OFF Module



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.



KYL-818 KYL-818

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.

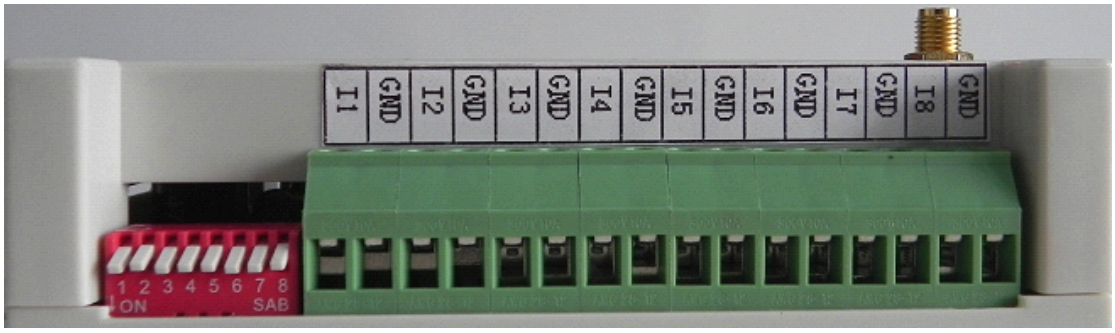
3、 Collocated with a wireless data module inside whose transmitting distance is about 2km-3km; the working frequency 433MHz (400-470MHz); RF power: 1000mW; Receiving sensitivity: -123dBm

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:

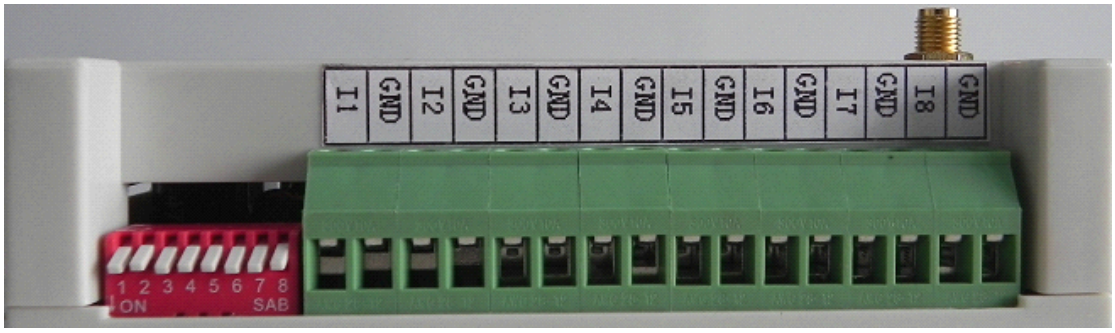
* For most users "touch off transmitting mode" is OK-----DIP7-ON

* To avoid interference caused by more pairs of modules working in the same place, please choose different channels for different systems.

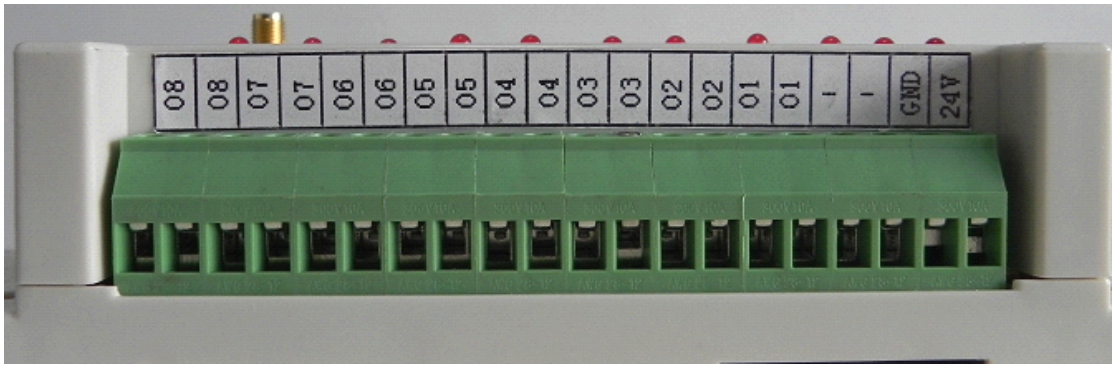
* In timing mode, there should be a master and a slave.

* changing the DIP switch just takes effect after the module is re-powered 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 1st way dry contact output
	6		
	7	OUT2	The 2nd way dry contact output
	8		
	9	OUT3	The 3rd way dry contact output
	10		
	11	OUT4	The 4th way dry contact output
	12		
	13	OUT5	The 5th way dry contact output
	14		
	15	OUT6	The 6th way dry contact output
	16		
	17	OUT7	The 7th way dry contact output
	18		
	19	OUT8	The 8th way dry contact output

	20		
COM2	1	IN1	The 1st ON-OFF condition input
	2	GND	
	3	IN2	The 2nd ON-OFF condition input
	4	GND	
	5	IN3	The 3rd ON-OFF condition input
	6	GND	
	7	IN4	The 4th ON-OFF condition input
	8	GND	
	9	IN5	The 5th ON-OFF condition input
	10	GND	
	11	IN6	The 6th ON-OFF condition input
	12	GND	
	13	IN7	The 7th ON-OFF condition input
	14	GND	
	15	IN8	The 8th 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 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.