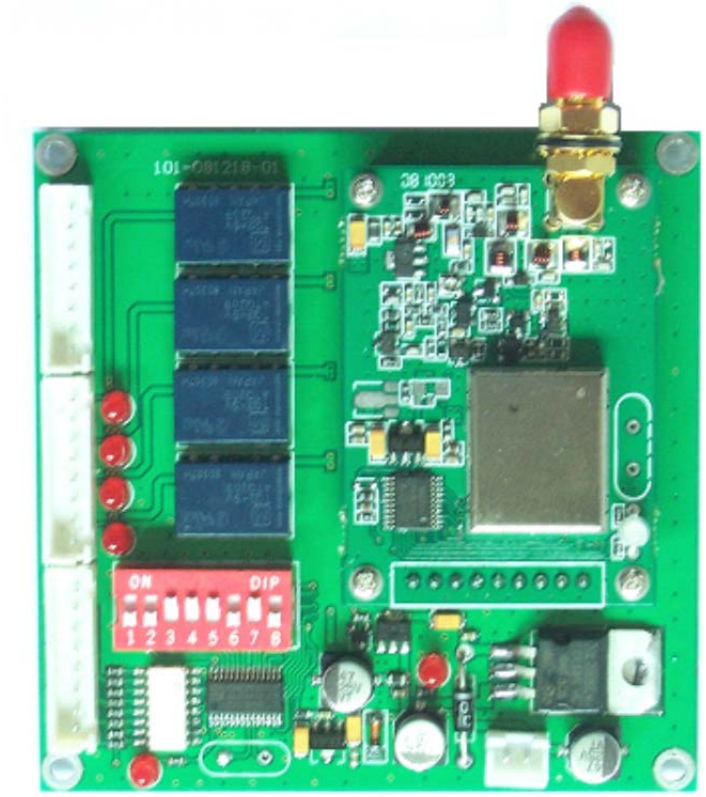
CCE-82520 wireless ON-OFF input and output module user manual



CCE-82520 wireless ON-OFF input and output module is a wireless

transmission equipment with four 4-channel DI and 4-channel relay DO.

I.Function

4 channel ON-OFF DI and DO transmitting timely. The 4 channel

ON-OFF condition for the transmitting equipment can be output timely

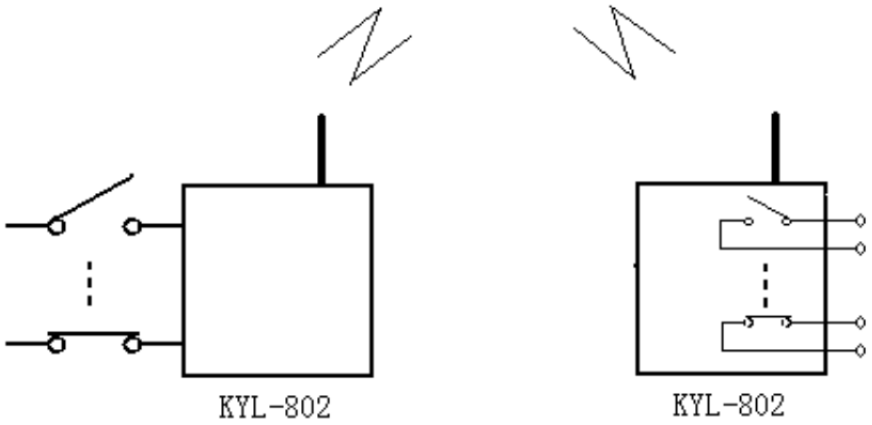
at the receiver equipment. That is the ON-OFF condition for the

transmitting equipment is shut down, while the ON-OFF condition will

be shut down at the receiver equipment; and the transmitting

equipment is disconnect, while the receiver equipment will disconnect.

The following is the schematic diagram of the ON-OFF transmission.



Schematic diagram

II、Feature:

1、4-channel coupler isolated inputs, high reliability and stability.

2、4-channel relay dry contact output, contact current is 30V 1A.

3、4-channel 5V voltage output。

4、collocate wireless data transmission module with 2-3km.

Working frequency 433MHz(400-470MHz);
RF power: 500mW;
Receive sensitivity: -120dBm

5、Receive current: 30mA; transmitting current: 300mA

6、Power supply: DC 9-15V

7、Size: 82mm*82mm

III. DIP switch definition

DIP8：Working mode choosing:

ON—send the inputting conditions. The module will send the inputting conditions of the 4-channel ON-OFF

OFF—send timely every 1s or 2s; principal equipment will send

the 4-channel input condition to the subordinate equipment (non-realtime transmission)

DIP7：Principal and subordinate mode choosing under the timing mode:

ON—subordinate equipment, OFF—principal equipment

DIP6：Sending interval choosing under the timing mode:

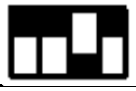
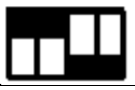
ON—slow(2s one time), OFF—fast(1s one time)

DIP5：No definition

DIP1-4：Channels choosing (max 16 channels)

The following is the channel correspondence table for DIP switch 1-16:

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

Note:

* Users generally use the inputting change sending mode, DIP7-ON;

* To avoid more than two remote control systems working at the same

time in one remote control range, the module for different system

should choose different channel (working frequency);

* Under the timing mode, it should be one subordinate equipment, and

one principal equipment;

* It should be effect by re-power on the module after changing the DIP

position.

VI. Connection Definition

Connection name	Pin No.	Definition	Remarks
COM1	1	GND	Grounding of power supply
	2	VCC	DC：9-15V
COM2	1	IN1	First group ON-OFF input
	2	GND	
	3	IN2	Second group ON-OFF input
	4	GND	
	5	IN3	Third group ON-OFF input
	6	GND	
	7	IN4	Fourth group ON-OFF input
	8	GND	

COM3	1	GND	First channel voltage controlling output (5V)
	2	IN1	
	3	GND	Second channel voltage controlling output (5V)
	4	LED2	
	5	GND	Third channel voltage controlling output (5V)
	6	LED3	
	7	GND	Fourth channel voltage controlling output (5V)
	8	LED4	

COM4	1	OUT1	First channel relay dry contact output
	2		
	3	OUT2	Second channel relay dry contact output
	4		
	5	OUT3	Third channel relay dry contact output
	6		
	7	OUT4	Fourth channel relay dry contact output
	8		

IV. Exterior sketch map