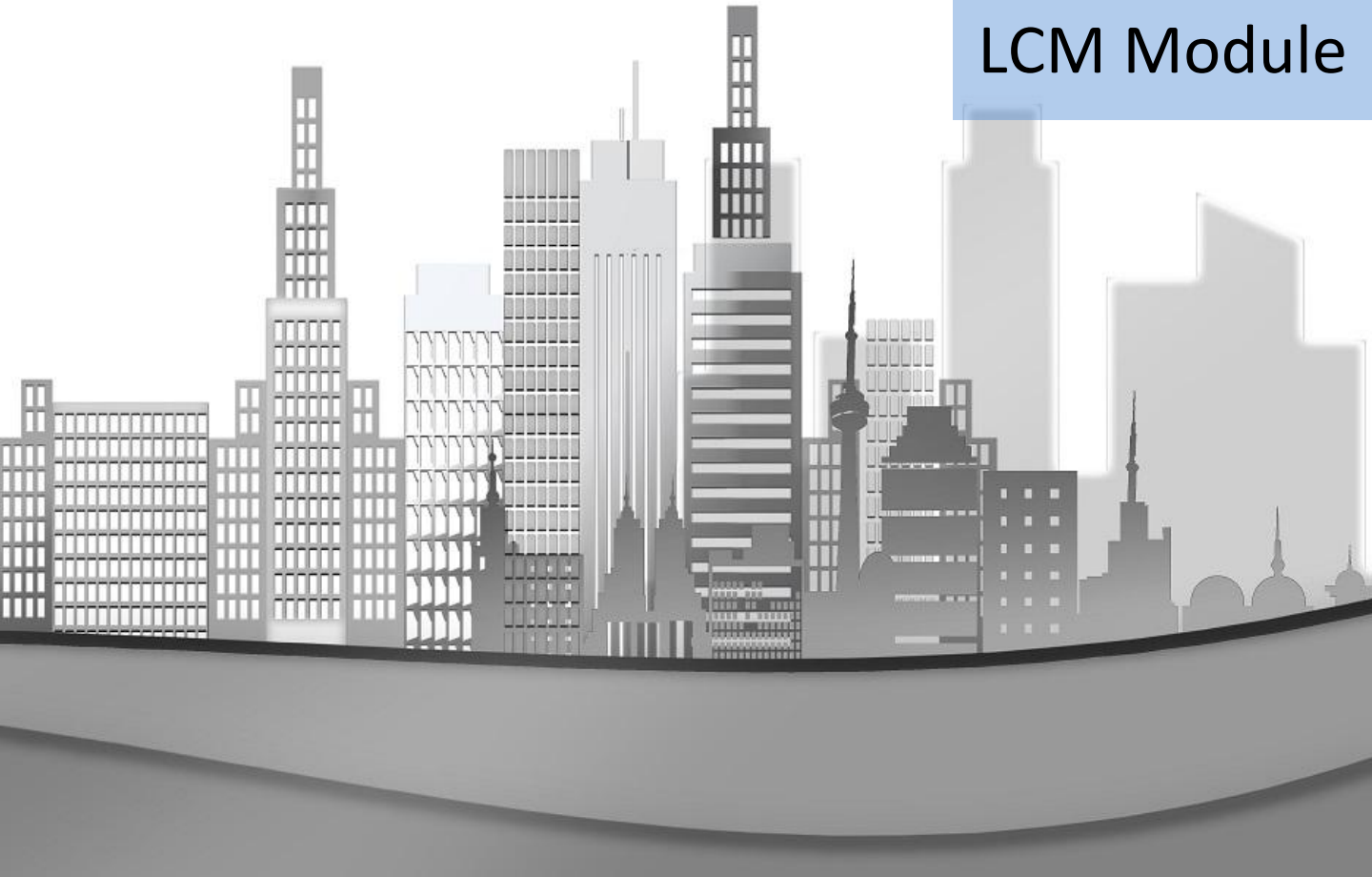


# LCM Module



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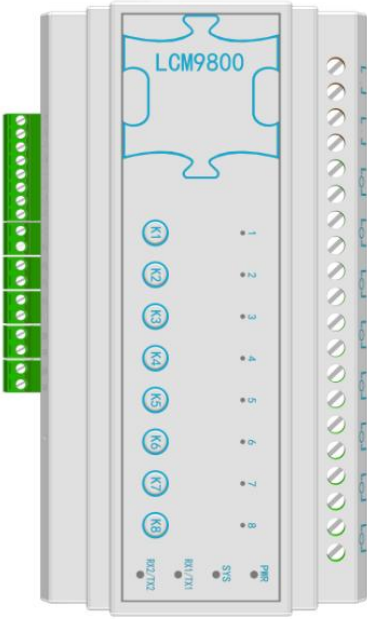
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**LCM Module**

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1	LCM9800 .....	3
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**Software Features:**

- Remote centralized control and on-site control;
- Fire linkage (only on or off);
- Manual forced start, dry contact control;
- Power off memory;
- Emergency manual control;
- Automatic control, time control, scene setting (Accomplished with other devices);
- DI linkage K port;
- Support 2 channel Modbus RTU communication;
- Non-human damage, warranty is 2 year.

Product Parameters	
Power Supply	AC 220V
Maximum power consumption	8W
standby power	0.5W
Lighting circuit	8
Communication	2x RS485
Installation method	DIN-RAIL
Size/mm	162x100x65 (LxWxH)
Weight/g	500
Texture of material	Plastic shell
Temperature	-20°C ~ +70°C (Working) -30°C ~ +75°C (Storage)
Humidity	20%~90% non condensing (working) 15%~95% non condensing (storage and transportation)

**LCM Module** Product Model:LCM9800

**Description:**

Support Modbus RTU protocol;

Communication Method: RS485

Communication Parameter: 9600,n,8,1 (The station ID is 1 by default, which can be modified through the address dial)

**Modbus RTU Protocol Corresponding Register**

1X---Input Status(0x02)

Register Address	DI Port	Description
10001	1	Digital Input Port
10002	2	Digital Input Port
10003	3	Digital Input Port
10004	4	Digital Input Port
10005	5	Digital Input Port
10006	6	Digital Input Port
10007	7	Digital Input Port
10008	8	Digital Input Port
10009	9	Digital Input Port

0X—Coil Status(0x01/0x05)

Resgister Address	K Port	Description
00001	1	Relay Output Port
00002	2	Relay Output Port
00003	3	Relay Output Port
00004	4	Relay Output Port
00005	5	Relay Output Port
00006	6	Relay Output Port
00007	7	Relay Output Port
00008	8	Relay Output Port

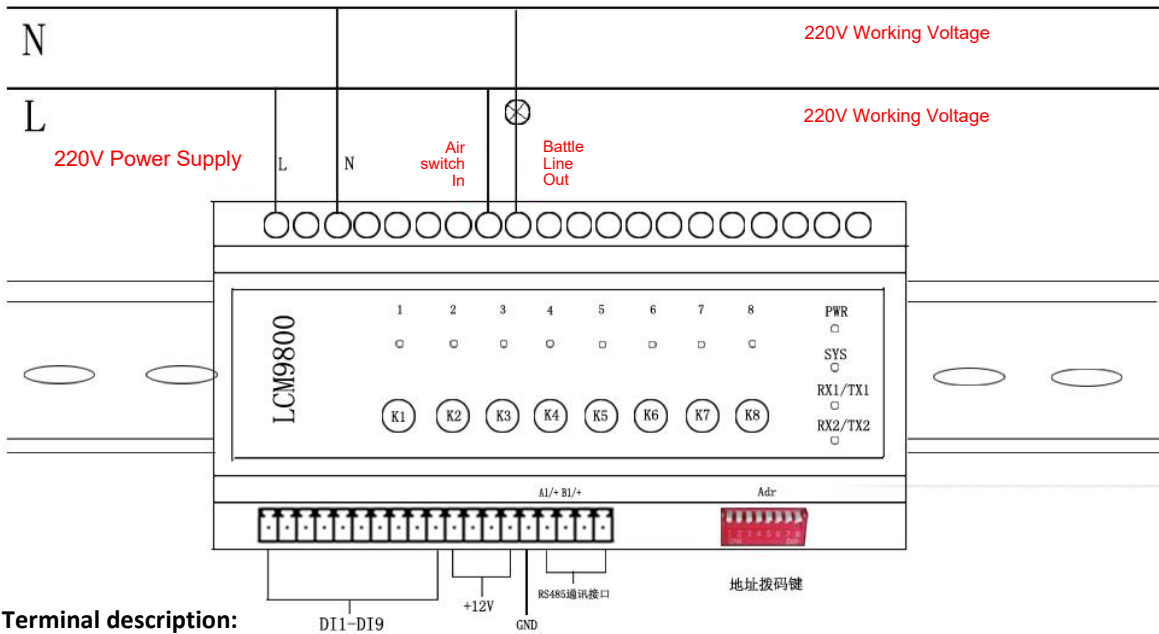
LCM Module Product Model:LCM9800

4X—Coil Status(0x03/0x06)

Register Address	K Port	Description
40001	1	Device Address 1 ( 1-120)
40002	2	Baud Rate 9600 ( 19200/9600/4800/2400)
40003	3	Parity is none (0-none/1-odd/2-even)
40011	4	DI linkage K, 1 valid
40012	5	DI9 fire linkage (only on but not off) k 1-8, 1 valid
40013	6	Power on K output: 0 Default output 0; 1. K state when output power is off; 2 Output 1; 3 Setting status of output 40015
40014	7	Store K status when 40013 is 1
40015	8	K status setting, valid when 40013 is 3

## Wiring installation instructions

**Note:** The controlled equipment on the same module should use the same phase wire.



**Terminal description:**

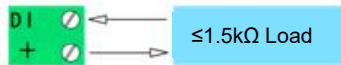
**Upper row of terminals**

the two terminals are a switching point, and one terminal is connected to the AC 220V live wire input and the other is connected to the output.

**Lower row terminals :**

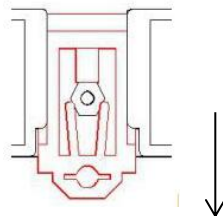
1, DI1-DI8

Two Channels+12V dry contact signals are connected, and the rated current is 20A, DI9 is the fire linkage port



2, A and B represent communication RS485 bus signals respectively ( 2 RS485 ) .  
3. Address dial key (binary).

when installing pull the clip downward (as shown in the figure)



Clamp the groove at the bottom of the module on the 35mm rail, and push up the buckle to make the module tightly clamped on the rail.

**Common Problem :**

**1. ModbusRTU common question:**

Q 1 : What are the default communication parameter of the module?

A 1 : The default communication parameters of ModbusRTU module are baud rate 9600, data bit 8, stop bit 1, no calibration, and the default ID number of the device is 1.

Q 2 : How to modify the communication parameters of the module?

A 2 : ModbusPoll software( a third-party tool)was used to read the data of registers 40001, 40002 and 40003 to in turn represent the device address, communication baud rate and calibration. The communication parameters of the module were modified according to the " Register definition specification", You can also use the address dial key to modify. After power off and restart, the parameters set will take effect.

**Toggle the internal paddle of hardware to refer to the following table (binary)**

Dial Code	Device ID	Dial COde	Device ID
1	1	12	3
2	2	123	7
3	4	1234	15
4	8	12345	31
5	16	123456	63

When the dial code is 0, 40001 can be written as the communication address,  
 When the dial value is 1-63, 40001 displays the dial value and the write register is invalid.