

LETTER of AGREEMENT

Basic communication parameters

Code	8-bit binary
Data bit	8-bit
Parity bit	no
Stop bit	1 person
Error checking	CRC (Redundant Cyclic Code)
Baud rate	1200bit/s 、 2400bit/s 、 4800bit/s 、 9600 bit/s 、 19200 bit/s 、 38400 bit/s 、 57600 bit/s 、 115200 bit/s 、 Default: 4800bit/s

Data frame format definition

Modbus-RTU communication protocol is adopted, the format is as follows:

Initial structure ≥ 4 bytes of time

Address code = 1 byte

Function code = 1 byte

Data area = N bytes

Error check = 16-bit CRC

Ending structure ≥ 4 bytes of time

Address code: It is the address of the transmitter, which is unique in the communication network (factory default 0x01).

Function code: The function instruction of the command issued by the host, this transmitter only uses the function code 0x03 (reading register data).

Data area: The data area is the specific communication data. Note that the high byte of the 16bits data comes first!

CRC code: two-byte check code.

Register Address

Register address	PLC address	Support function code	data type	explain
0000H	40001	0x03/0x04	16 bit unsigned integer	CL concentration value (100 times of actual value)
1010H, 1011H	44113, 44114	0x03/0x04/0x10	Floating point number	CL coefficient A (actual value)
1012H, 1013H	44115, 44116	0x03/0x04/0x10	Floating point number	CL deviation B (actual value)
07D0H	42001	0x03/0x04/0x06/0x10	16 bit unsigned integer	1~254 (factory default 1)
07D1H	42002	0x03/0x04/0x06/0x10	16 bit unsigned integer	0 representative 2400 1 representative 4800 2 representative 9600 3 representative 19200 4 representative 38400 5 representative 57600 6 representative 115200 7 representative 1200