

9.1 Read command (function code 03)

Send frame

Meter ID	Function code	Register address	Data number	Check code (CRC)
1byte	1byte	2byte	2byte	2byte

Receive frame

Meter ID	Function code	Data length n	Data area	Check code (CRC)
1byte	1byte	1byte	n byte	2byte

9.2 Write command (function code 10)

Send frame

Meter ID	Function code	Register address	Data number	Data length n	Data area	Check code (CRC)
1byte	1byte	2byte	2byte	1byte	n byte	2byte

Receive frame

Meter ID	Function code	Register address	Data number	Check code (CRC)
1byte	1byte	2byte	2byte	2byte

9.3 Energy meter register address

Register address	Data number	Data item	Data format	Data unit
0x0000	2	Total kWh	XXXXXX. XX	kWh
0x0001				
0x0008	2	Export kWh	XXXXXX. XX	kWh
0x0009				
0x000A	2	Import kWh	XXXXXX. XX	kWh
0x000B				
0x000C	1	Voltage	XXX. X	V
0x000D	1	Current	XX. XX	A
0x000E	1	Active power	XXX. XXX	kW
0x0010	1	Power factor	X. XXX	
0x0011	1	frequency	XX. XX	Hz
0x0015	1	ID + baud rate	First byte is ID 号, the second byte is baud rate, 01~04 is means Respectively 9600、4800、2400、1200	

Note 1: one register address is store 2 byte data ,so the data length read as 4 byte when data number is 2 .

Note 2: you can use ID ID(0x00) to broadcast and got data when you do not know the meter ID.

But this way is only for 1 pcs meter to connection on RS485 wire

WIFI control on /off command

0010001A0001020000A9FA relay off

0010001A0001020001683A relay on

Register address is 001A

0000 means relay off, 0001 means relay on