

SPA1□□□-MC DC Voltage Acquisition Module

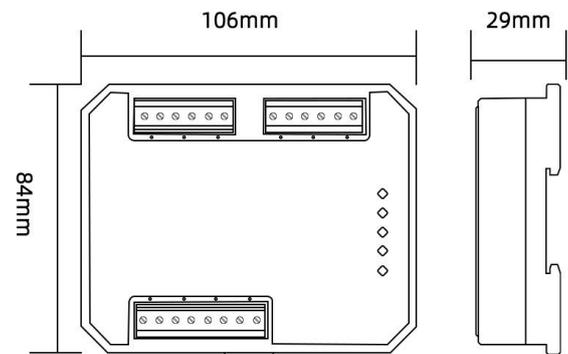
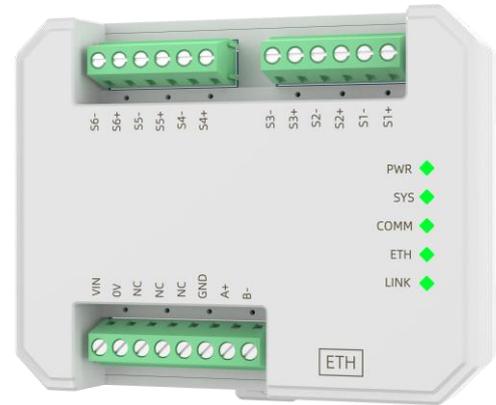


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User Manual

I. Precautions

- Do not operate this product beyond its design limits under any circumstances.
- The power supply for this product is 24V DC. Strictly prohibit the use of 220V AC power.
- This product should be installed in a safe location. The shell's maximum withstand temperature is +85°C.
- When used in environments with strong magnetic interference, Shielded cable is recommended for signal lines.
- Strictly prohibit unauthorized disassembly, modification, or repair of this product.
- Pay attention to the wiring method of this product to ensure correct Wiring and avoid damaging the product.
- Read this manual carefully before installation and use. If you have Any questions, please contact our technical support personnel or refer to relevant technical guidance videos.
- Our company is not responsible for damage to components other than this product during use.
- Please download the latest electronic version of the documentation. The content of this manual is for reference only. We continuously improve the user experience, and technical parameters are subject to change without notice.



II. Product Dimensions

- Product dimensions: **106mm (L) X 84mm (W) X 29mm (H)**
- Industrial-grade flame-retardant plastic shell, standard DIN35 rail mounting.

III. Operating Environment

- Do not expose this product to excessively high or low temperatures.
- The surrounding environment must be free from strong vibration, impact, and electromagnetic interference such as large currents and sparks.
- The operating environment must not contain harmful substances that cause severe corrosion to metal or plastic components. Do not use or store the product in harsh environments, otherwise it will affect the electrical performance of the product.
- Operating Temperature: -40°C ~ +80°C Relative Humidity: 10% ~ 90%RH (non-condensing)

IV. After-Sales Service

We are committed to providing you with comprehensive after-sales service and warranty policy. The product warranty period is three years. During the warranty period, if the product fails due to non-human factors, we will provide free repair or replacement service. Damage caused by violation of operating regulations and requirements will require payment of parts cost and repair fee. After the warranty period expires, we continue to provide technical support and assistance. During this period, replacement parts are provided at cost price.

V. Application Fields



Automation Equipment



Medical Electronics



Remote Monitoring



Process Control

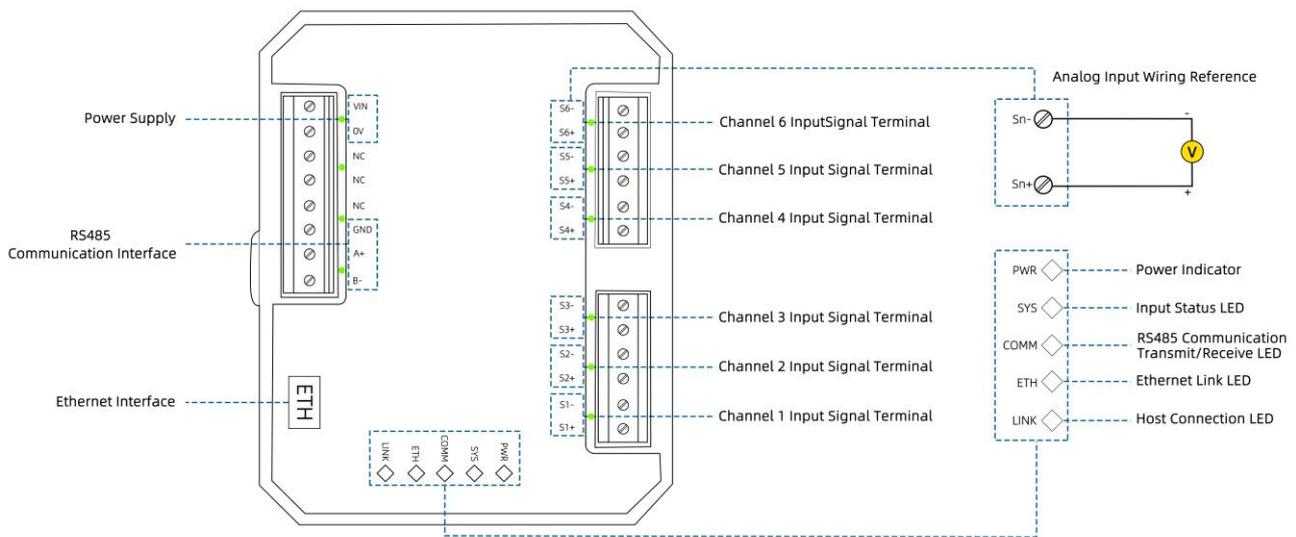
· Product Introduction

The SPA analog data acquisition module is meticulously designed based on a new generation embedded system. The module is equipped with an isolated communication interface, which can communicate separately with a PC or PLC, or be networked with multiple communication modules. Simultaneously, the module is equipped with a transient suppression circuit, which can effectively suppress various surge pulses and protect the module for reliable operation in harsh environments.

The SPA1□□□-MC series DC voltage acquisition module acquires 4/6 channels of voltage signals and is equipped with an RS485 communication interface. The module uses an advanced $\Delta - \Sigma$ high-precision analog-to-digital converter with a resolution of up to 24 bits and a measurement accuracy better than 0.05%. Power supply, input, and communication output are isolated from each other. It is suitable for acquiring various analog signals in industrial sites and can meet the requirements of industrial sites with high measurement demands, medical electronics, security monitoring, smart buildings, smart homes, power monitoring, process control, and other occasions.

This product requires independent power supply and uses a DIN35mm standard rail mounting method. Field installation is simple, usage is flexible, and it can handle various field applications.

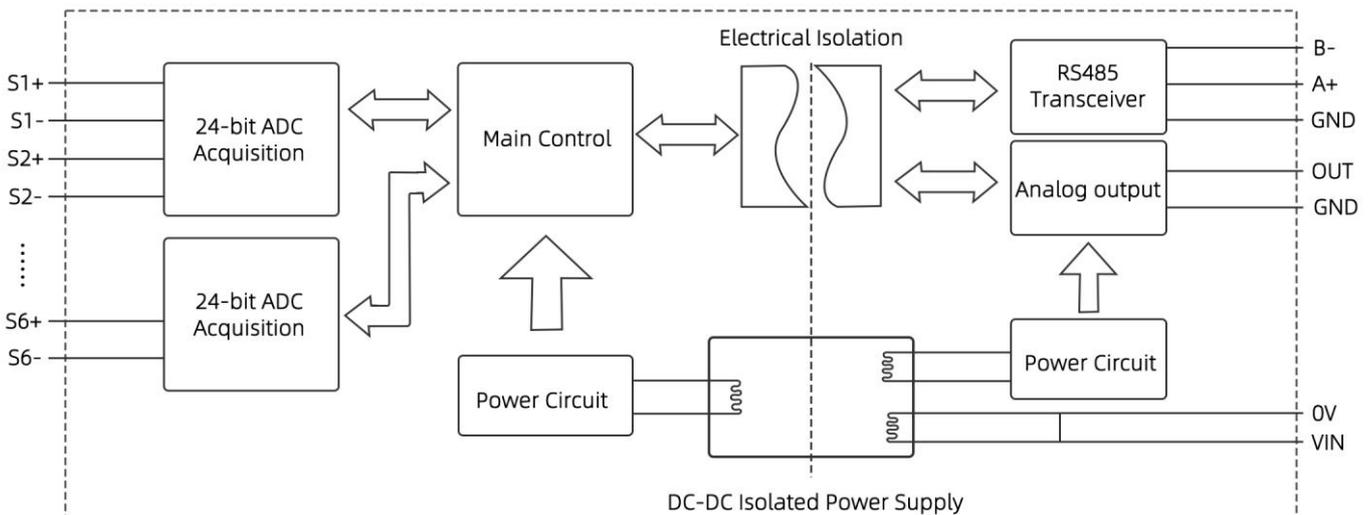
· Wiring and indication



Note:

1. This module is available in three communication versions: RS485/Ethernet (ETH)/ RS485 + Ethernet.
2. The Ethernet port is active only in versions equipped with Ethernet functionality.
3. For specific Ethernet features and operation, please refer to the Serial Server Manual.

· Module working principle



· Technical Parameters

| Basic Parameters | |
|--------------------------|--|
| Power Supply | DC12~36V(DC24V recommended) |
| Power Consumption | <1.5W |
| Measurement Accuracy | ±0.05%FS (+25°C) |
| Temperature Drift | ≤200ppm/°C |
| Sampling Frequency | ≤8Hz |
| ESD Protection | ±15KV |
| Isolation Voltage | 3000VDC |
| Power Protection | Reverse connection voltage< -40V |
| Dielectric Strength | 1500 VAC / 1 minute (Power, Input, Output) |
| Insulation Resistance | ≥100MΩ (Power, Input, Output) |
| EMC Compatibility | Complies with GB/T18268.1 (IEC61326-1) |
| Applicable Field Devices | Devices supporting MODBUS-RTU protocol: Configuration software, PLC, HMI, PC, etc. |
| Input Terminal | |
| Number of Channels | 4/6 channels |
| Input Range | The input range is referred to in the product name |
| Input Impedance | ≥10MΩ |
| Sampling Resolution | 24-bit ADC |
| Input Overload Capacity | 1.2 times the nominal value of the measured voltage |
| Output Terminal | |
| Output Signal | RS-485/ Ethernet |
| Communication Protocol | Standard MODBUS-RTU protocol |
| Communication Distance | 1200m (RS485 typical) |
| Environmental Conditions | |
| Operating Temperature | -40°C~+80°C |
| Storage Temperature | -40°C~+85°C |
| Relative Humidity | 10%~90%RH (non-condensing) |
| Atmospheric Pressure | 80kPa~106kPa |

· Terminal Description

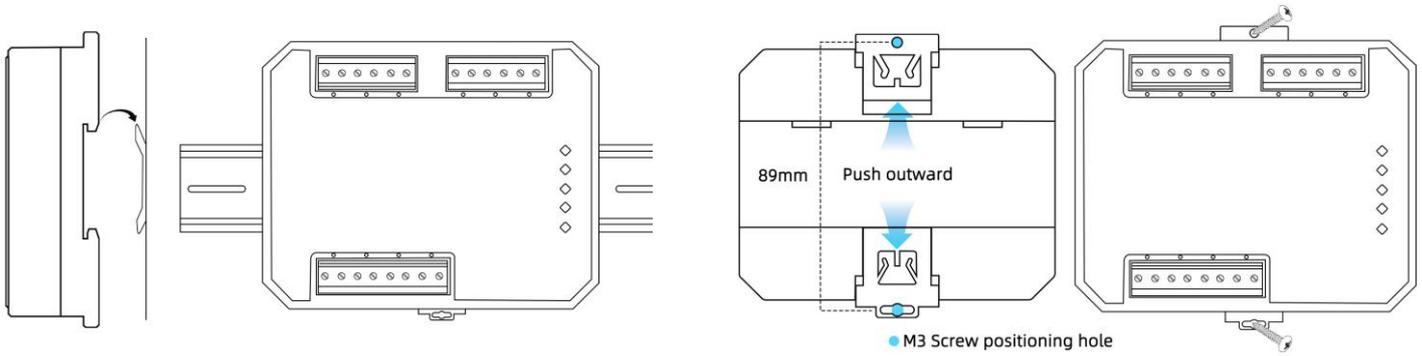
| Terminal Mark | Function Description |
|---------------|---|
| VIN | Power supply positive terminal, DC12-36V input |
| OV | Power supply negative terminal |
| NC | No Connection (Empty pin) |
| NC | No Connection (Empty pin) |
| NC | No Connection (Empty pin) |
| GND | RS-485 communication signal ground |
| A+ | RS-485 communication signal positive |
| B- | RS-485 communication signal negative |
| S1+ | Channel 1 input signal positive terminal |
| S1- | Channel 1 input signal negative terminal |
| S2+ | Channel 2 input signal positive terminal |
| S2- | Channel 2 input signal negative terminal |
| S3+ | Channel 3 input signal positive terminal |
| S3- | Channel 3 input signal negative terminal |
| S4+ | Channel 4 input signal positive terminal |
| S4- | Channel 4 input signal negative terminal |
| S5+ | Channel 5 input signal positive terminal |
| S5- | Channel 5 input signal negative terminal |
| S6+ | Channel 6 input signal positive terminal |
| S6- | Channel 6 input signal negative terminal |
| ETH | Ethernet port (optional) |

· Indicator Description

| Indicator Mark | Function Description |
|----------------|---|
| PWR | Power indicator |
| SYS | Input Signal Status Indicator, flashes when no signal is present |
| COMM | RS485 Communication Indicator, flashes when transmitting/receiving signals |
| ETH | Ethernet Port Connection Indicator |
| LINK | Terminal Connection Indicator |

• Installation Instructions

This module uses the DIN35mm rail mounting method. The rail should comply with the installation dimension specifications for the TH35-7.5 type rail according to the national standard GB/T19334-2003. Users can easily install or remove the module on the rail. Installation must be stable and secure. This module also supports screw mounting without a rail.



– Installation method of guide rail –

– Screw installation method –

• Product Naming Rules

Taking SPA1040-MC01L as an example: Four-channel DC voltage acquisition module, 24-bit ADC acquisition accuracy, no analog output, RS485 communication function, module DC12-36V power supply, likely refers to form factor M

| SPA | 1 | 04 | 0 | M | C | 0 | 1 | L |
|---------------------------|--------------|--------------------|-----------------|---------------------|--|--|---|--------------|
| Product Type | Sensor Type | Number of Channels | Input Range | Product Form Factor | Acquisition Resolution | Analog Output | Communication Method | Power Supply |
| Analog Acquisition Module | 1 DC Voltage | 1-32 | 0 0-5V | N Form Factor | A 12-bit ADC B 16-bit ADC C 24-bit ADC D 32-bit ADC | 0 No Output 1 0-5V 2 0-10V 3 4-20mA 4 0-20mA | 0 No Comm 1 RS485 2 ETH 3 RS485+ETH 4 CAN 9 Other Comm | L DC12-36V |
| | 2 DC Current | | 1 0-10V | K Form Factor | | | | H AC220V |
| | 3 AC Voltage | | 2 0-50V | M Form Factor | | | | C +12V |
| | 4 AC Current | | 3 0-100V | W Form Factor | | | | D +24V |
| | 5 Resistance | | 4 0-250V | F Form Factor | | | | |
| | 9 Custom | | 5 0-500V | R Form Factor | | | | |
| | | | 6 0-750V | Y Form Factor | | | | |
| | | | 7 0-1000V | Q Form Factor | | | | |
| | | | 9 Other Voltage | | | | | |

• Product Model Selection Guide

SPA1040-MC01L-BLE: Module with built-in Bluetooth function for terminal connection (default version)

SPA1040-MC01L-4G: Module with 4G function for terminal connection

SPA1040-MC01L-WIFI: Module with Wi-Fi function for terminal connection

SPA1040-MC01L: Basic version, without terminal connection function

• MODBUS-RTU Communication Protocol

The MODBUS-RTU protocol defines multiple function codes to achieve different functions. This manual explains the message format for commonly used function codes. This module only supports some of these function codes: 0X03, 0X04, 0X06, 0X10.

| Function Code | Register add | Function Description |
|---------------|--------------|---|
| 0X01 | 0XXXX | Read Coil Status (bit operation), e.g., read relay or digital output current state (ON/OFF) |
| 0X02 | 0XXXX | Read Input Status (bit operation), e.g., read one or more groups of digital input states (ON/OFF) |
| 0X05 | 0XXXX | Write Single Coil (bit operation), e.g., force a relay or digital output ON/OFF |
| 0X03 | 4XXXX | Read Holding Registers |
| 0X04 | 4XXXX | Read Input Registers (can be replaced by 0X03) |
| 0X06 | 4XXXX | Write Single Holding Register |
| 0X10 | 4XXXX | Write Multiple Holding Registers |

• Communication Parameter Settings

| Parameter | Setting Range | Default Value |
|-----------|--|---------------|
| Address | 1~247 | 1 |
| Baud Rate | 1200、2400、4800、9600、14400、19200、38400、56000、57600、115200 | 9600 |
| Parity | None, Even, Odd | None |
| Stop Bits | 1, 2, 0.5, 1.5 | 1 |

• Communication Protocol Description

This communication board complies with the MODBUS RTU bus protocol, RS485 interface. The communication format is 11 bits:

1 start bit

8 data bits

1 parity bit (if used)

1 stop bit (with parity), 2 stop bits (without parity)

Data type: Unsigned int

With Parity

| | | | | | | | | | | |
|-----------|---|---|---|---|---|---|---|---|------------|----------|
| Start Bit | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Parity Bit | Stop Bit |
|-----------|---|---|---|---|---|---|---|---|------------|----------|

Without Parity

| | | | | | | | | | | |
|-----------|---|---|---|---|---|---|---|---|----------|----------|
| Start Bit | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Stop Bit | Stop Bit |
|-----------|---|---|---|---|---|---|---|---|----------|----------|

The message frame starts with a silence interval of more than 3.5 character times. The first field transmitted is the module add, followed by the function code, then the register add then the data, followed by the CRC16 check. It ends with a silence interval of more than 3.5 character times. The frame format is as follows:

| Start Bit | Module add | Function Code | Register add High Byte | Register add Low Byte | Register Data High Byte | Register Data Low Byte | CRC16 calibration | End |
|------------|------------|---------------|------------------------|-----------------------|-------------------------|------------------------|-------------------|------------|
| >3.5 Chars | 1 Byte | 1 Byte | 1 Byte | 1 Byte | 1 Byte | 1 Byte | 2 Byte | >3.5 Chars |
| | 1-247 | 0X03 0X06 | 0X00 | 0X01 | 0X00 | 0X01 | CRC | |

Function Code: 0X01

1.Host Request Frame:

| 1 Byte | 2 Byte | 3 Byte | 4 Byte | 5 Byte | 6 Byte | 7 Byte | 8 Byte |
|------------------------|---------------|-------------------------------|------------------|----------------------------|--------|---------------------------------|--------|
| ADR | 0X01 | Start address Hi | Start address Lo | Qty Hi | Qty Lo | CRC Lo | CRC Hi |
| Module address (1~247) | Function code | coil start address to be read | | number of coils to be read | | CRC16 checksum from bytes1 to 6 | |

2.Slave Response Frame (Correct) : Coil status 0 = OFF and 1 = ON

| 1 | 2 | 3 | 4、5 | 6、7 | | N-1、N | N+1 | N+2 |
|------------------------|---------------|--|---|--------------------|-------|--------------------|----------------------------------|----------|
| ADR | 0X01 | Coil status Byte Count | Coil Status 1 Data | Coil Status 1 Data | | Coil Status N Data | CRC16 Lo | CRC16 Hi |
| Module address (1~247) | Function code | Returns the number of bytes in coil status | Returns the wire net status data (one coil status is two bytes) | | | | CRC16 checksum from bytes 1 to N | |

Function Code: 0X02

1.Host Request Frame:

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------------------|---------------|---|------------------|----------------------------|--------|---------------------------------|--------|
| ADR | 0X02 | Start address Hi | Start address Lo | Qty Hi | Qty Lo | CRC Lo | CRC Hi |
| Module address (1~247) | Function code | The coil input start address to be read | | number of coils to be read | | CRC16 checksum from bytes1 to 6 | |

2.Slave Response Frame (Correct) : Coil status 0 = OFF and 1 = ON

| 1 | 2 | 3 | 4、5 | 6、7 | | N-1、N | N+1 | N+2 |
|------------------------|---------------|--|---|--------------------|-------|--------------------|---------------------------------|----------|
| ADR | 0X02 | Coil status Byte Count | Coil Status 1 Data | Coil Status 1 Data | | Coil Status N Data | CRC16 Lo | CRC16 Hi |
| Module address (1~247) | Function code | Returns the number of bytes in coil status | Returns multiple coil input status data | | | | CRC16 checksum from bytes1 to N | |

Function Code: 0X05

1.Host Request Frame: Coil status 0 = OFF and 1 = ON

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------------------|---------------|----------------------|-----------------|-------------------------|---------------|---------------------------------|--------|
| ADR | 0X05 | Coil address Hi | Coil address Lo | Force Data Hi | Force Data Lo | CRC Lo | CRC Hi |
| Module address (1~247) | Function code | Written coil address | | Number of coils written | | CRC16 checksum from bytes1 to 6 | |

2.Slave Response Frame (Correct) :

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------------------|---------------|----------------------|-----------------|--------------------------|---------------|---------------------------------|--------|
| ADR | 0X05 | Coil address Hi | Coil address Lo | Force Data Hi | Force Data Lo | CRC Lo | CRC Hi |
| Module address (1~247) | Function code | Written coil address | | Returns coil status data | | CRC16 checksum from bytes1 to 6 | |

Function Code: 0X03

1.Host Request Frame:

| | | | | | | | |
|------------------------|---------------|--|------------------|--------------------------|------------|--------------------------------|--------|
| 1 Byte | 2 Byte | 3 Byte | 4 Byte | 5 Byte | 6 Byte | 7 Byte | 8 Byte |
| ADR | 0X03 | Start address Hi | Start address Lo | Reg Qty Hi | Reg Qty Lo | CRC Lo | CRC Hi |
| Module address (1~247) | Function code | The register starting address to read is | | Number of registers read | | CRC16 checksum of bytes 1 to 6 | |

2.Slave Response Frame (Correct) :

| | | | | | | | | |
|------------------------|---------------|--|---|---------------|-------|------------------------------|--------------------------------|--------|
| 1 | 2 | 3 | 4, 5 | 6, 7 | | N-1, N | N+1 | N+2 |
| ADR | 0X03 | Byte Count | Reg 1 Data Hi | Reg 1 Data Lo | | Reg N Data Hi, Reg N Data Lo | CRC Lo | CRC Hi |
| Module address (1~247) | Function code | Returns the effect of reading register bytes | Returns multiple register data (one register data is two bytes) | | | | CRC16 checksum of bytes 1 to N | |

Function Code: 0X06

1.Host Request Frame:

| | | | | | | | |
|------------------------|---------------|--------------------------------|----------------|-----------------------------|-------------|--------------------------------|--------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| ADR | 0X06 | Reg address Hi | Reg address Lo | Reg Data Hi | Reg Data Lo | CRC Lo | CRC Hi |
| Module address (1~247) | Function code | Register address to be written | | Register data to be written | | CRC16 checksum of bytes 1 to 6 | |

2.Slave Response Frame (Correct) :

| | | | | | | | |
|------------------------|---------------|--------------------------------------|----------------|-----------------------------------|-------------|--------------------------------|--------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| ADR | 0X06 | Reg address Hi | Reg address Lo | Reg Data Hi | Reg Data Lo | CRC Lo | CRC Hi |
| Module address (1~247) | Function code | Returns the register address written | | Returns the written register data | | CRC16 checksum of bytes 1 to 6 | |

Function Code: 0X10

1.Host Request Frame:

| | | | | | | | | | | |
|------------------------|---------------|--|------------------------------|---------------------------------------|---|------------|-------|------------|--------------------------------|-----------|
| 1 | 2 | 3, 4 | 5, 6 | 7 | 8, 9 | 10, 11 | | N-1, N | N+1 | N+2 |
| ADR | 0X10 | Start Add | Reg Qty | Byte Count | Reg 1 Data | Reg 2 Data | | Reg N Data | CRC Check | CRC Check |
| Module address (1~247) | Function code | The starting address of the register to be written | Validity of register written | Number of register data bytes written | Multiple register data written (One register data is two bytes) | | | | CRC16 checksum of bytes 1 to N | |

2.Slave Response Frame (Correct) :

| | | | | | | | |
|------------------------|---------------|--|--------------|---|------------|--------------------------------|--------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| ADR | 0X10 | Start Add Hi | Start Add Lo | Reg Qty Hi | Reg Qty Lo | CRC Lo | CRC Hi |
| Module address (1~247) | Function code | Returns the starting address of the register written | | Returns the number of registers written | | CRC16 checksum of bytes 1 to 6 | |

Register Definition Table

| PLC add | Register add (HEX) | Function Definition | R/W Attribute | Value Range and Description |
|---------|--------------------|--------------------------------------|---------------|--|
| 40002 | 1 | Channel 1 Output Signal Value | Read Only | 1-65536, corresponding to the actual output signal value. For a 0-5V output signal, a reading of 2500 corresponds to 2.500V |
| 40003 | 2 | Channel 2 Output Signal Value | Read Only | Same value range and interpretation as Channel 1 |
| 40004 | 3 | Channel 3 Output Signal Value | Read Only | Same value range and interpretation as Channel 1 |
| 40005 | 4 | Channel 4 Output Signal Value | Read Only | Same value range and interpretation as Channel 1 |
| 40006 | 5 | Channel 5 Output Signal Value | Read Only | Same value range and interpretation as Channel 1 |
| 40007 | 6 | Channel 6 Output Signal Value | Read Only | Same value range and interpretation as Channel 1 |
| 40008 | 7 | Channel 7 Output Signal Value | Read Only | Same value range and interpretation as Channel 1 |
| 40009 | 8 | Channel 8 Output Signal Value | Read Only | Same value range and interpretation as Channel 1 |
| 40010 | 9 | Channel 1 Measured Engineering Value | Read Only | 1-65536, corresponding to the actual range value. For example, if the engineering range is 0-5000V, a reading of 110 corresponds to an actual value of 110V |
| 40011 | A | Channel 2 Measured Engineering Value | Read Only | Same value range and interpretation as Channel 1 |
| 40012 | B | Channel 3 Measured Engineering Value | Read Only | Same value range and interpretation as Channel 1 |
| 40013 | C | Channel 4 Measured Engineering Value | Read Only | Same value range and interpretation as Channel 1 |
| 40014 | D | Channel 5 Measured Engineering Value | Read Only | Same value range and interpretation as Channel 1 |
| 40015 | E | Channel 6 Measured Engineering Value | Read Only | Same value range and interpretation as Channel 1 |
| 40016 | F | Channel 7 Measured Engineering Value | Read Only | Same value range and interpretation as Channel 1 |
| 40017 | 10 | Channel 8 Measured Engineering Value | Read Only | Same value range and interpretation as Channel 1 |
| 40018 | 11 | Channel 1 Measured AD Value | Read Only | 0-65535, corresponding to the acquired AD value. For example, with an engineering range of 0-5000V, 0 corresponds to 0V and 65535 corresponds to an input of 5000V |
| 40019 | 12 | Channel 2 Measured AD Value | Read Only | Same value range and interpretation as Channel 1 |
| 40020 | 13 | Channel 3 Measured AD Value | Read Only | Same value range and interpretation as Channel 1 |
| 40021 | 14 | Channel 4 Measured AD Value | Read Only | Same value range and interpretation as Channel 1 |
| 40022 | 15 | Channel 5 Measured AD Value | Read Only | Same value range and interpretation as Channel 1 |
| 40023 | 16 | Channel 6 Measured AD Value | Read Only | Same value range and interpretation as Channel 1 |
| 40024 | 17 | Channel 7 Measured AD Value | Read Only | Same value range and interpretation as Channel 1 |
| 40025 | 18 | Channel 8 Measured AD Value | Read Only | Same value range and interpretation as Channel 1 |
| 40051 | 32 | Channel 1 Engineering Upper Limit | Read/Write | 0-65535. For example, if the actual voltage full scale is 5000V, set the upper limit to 5000 |
| 40052 | 33 | Channel 1 Engineering Lower Limit | Read/Write | 0-65535. The default lower voltage limit is set to 0 |
| 40053 | 34 | Channel 2 Engineering Upper Limit | Read/Write | 0-65535 |
| 40054 | 35 | Channel 2 Engineering Lower Limit | Read/Write | 0-65535 |
| 40055 | 36 | Channel 3 Engineering Upper Limit | Read/Write | 0-65535 |
| 40056 | 37 | Channel 3 Engineering Lower Limit | Read/Write | 0-65535 |
| 40057 | 38 | Channel 4 Engineering Upper Limit | Read/Write | 0-65535 |
| 40058 | 39 | Channel 4 Engineering Lower Limit | Read/Write | 0-65535 |

| | | | | |
|-------|----|-----------------------------------|------------|---|
| 40059 | 3A | Channel 5 Engineering Upper Limit | Read/Write | 0~65535 |
| 40060 | 3B | Channel 5 Engineering Lower Limit | Read/Write | 0~65535 |
| 40061 | 3C | Channel 6 Engineering Upper Limit | Read/Write | 0~65535 |
| 40062 | 3D | Channel 6 Engineering Lower Limit | Read/Write | 0~65535 |
| 40063 | 3E | Channel 7 Engineering Upper Limit | Read/Write | 0~65535 |
| 40064 | 3F | Channel 7 Engineering Lower Limit | Read/Write | 0~65535 |
| 40065 | 40 | Channel 8 Engineering Upper Limit | Read/Write | 0~65535 |
| 40066 | 41 | Channel 8 Engineering Lower Limit | Read/Write | 0~65535 |
| 40067 | 42 | Channel 1 Input Signal Type | Read/Write | 0: 0-5V 1: 0-10V 2: 0-20mA 3: 4-20mA |
| 40068 | 43 | Channel 2 Input Signal Type | Read/Write | Same value options and interpretation as Channel 1 |
| 40069 | 44 | Channel 3 Input Signal Type | Read/Write | Same value options and interpretation as Channel 1 |
| 40070 | 45 | Channel 4 Input Signal Type | Read/Write | Same value options and interpretation as Channel 1 |
| 40071 | 46 | Channel 5 Input Signal Type | Read/Write | Same value options and interpretation as Channel 1 |
| 40072 | 47 | Channel 6 Input Signal Type | Read/Write | Same value options and interpretation as Channel 1 |
| 40073 | 48 | Channel 7 Input Signal Type | Read/Write | Same value options and interpretation as Channel 1 |
| 40074 | 49 | Channel 8 Input Signal Type | Read/Write | Same value options and interpretation as Channel 1 |
| 40083 | 52 | Communication add | Read/Write | 1~247 |
| 40084 | 53 | Baud Rate | Read/Write | 0: 1200bps 1: 2400bps 2: 4800bps 3: 9600bps 4: 14400bps 5: 19200bps 6: 38400bps 7: 56000bps 8: 57600bps 9: 115200bps |
| 40085 | 54 | Parity Bits | Read/Write | 0: None 1: Even 2: Odd |
| 40086 | 55 | Stop Bits | Read/Write | 0: 1 Stop Bit 1: 0.5 Stop Bits 2: 2 Stop Bits |
| 40087 | 56 | Device Number 1 | Read Only | 0~65536 |
| 40088 | 57 | Device Number 2 | Read Only | 0~65536 |
| 40089 | 58 | Firmware Version | Read Only | 0~65536 |
| 40090 | 59 | Device Category | Read Only | 0~65536 |