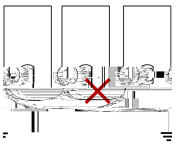
Expansion interface



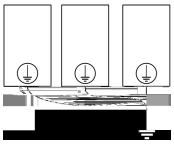


Figure 2-4 shows the wiring requirements for terminals. indicates the notice when wiring:

It is recommended to use a shielded twisted-pair cable, keeping far away from the power line;

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Table 5-1 Panel indicator and function

Item	Function
PWR indicator	Connection status between expansion module and main module ON connection succeed OFF connection fail
RUN indicator	Mainly for fault of expansion module Fast flash(10Hz): operation in normal Slow flash(1Hz): module fault and operation error
ERR alarm indicator	Mainly for the application layer Normal: OFF Faulty ON (parameter configuration error, out of limit) Flash (communication error with main module)

This module supports voltage (non-differential) and current output modes, of which the default digital quantity ranges -10000 to 10000 respectively. Users can set the digital quantity range to other numbers by using this function. For the calculation method, see Formula 5-1.

$$D = \frac{S_U - S_L}{U_U - U_L} \times (U_O - U_L) + S_L \qquad (5-1)$$

Among that D = Output digital value corresponding to voltage or current

U_O = Actual output voltage or current value

U_U = Upper range

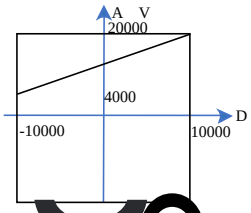
U_L = Lower range

S_U = Upper calibration

S_L = Lower calibration

Table 5-2 Upper/lower limit of range in different mode

Mode	±10	0-10V	0-20mA	4-20mA
U_U	10V	10V	20mA	20mA
U_L	-10V	0	0mA	4mA



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[illegible] the [illegible] sh[illegible]

information.

Table 6-2 Version information

Register name	Description
[illegible]	BIT0~3: MCU software version BIT4~7: FPGA software version [illegible] BIT12~13: Reserved [illegible]
16Bit	0 : Common module 1 : Custom module
[illegible]	[illegible]

2. Set the error status mapping register. Table 6-3 shows the error [illegible]

Register name	Description
[illegible]	[illegible]
Module error status	Error when each bit is 1, normal when it is 0: BIT0: Module error and RUN [illegible]
[illegible]	BIT11: Output over-limit

3. Set the configuration error mapping register, which stores the ID of the wrong parameter when the parameter is incorrectly configured. D [illegible]

Notice

1. The warranty range is confined to the PLC only.

2. Warranty period is 18 months, within which period Megmeet conducts free maintenance and repairing to the PLC that has any fault or damage under the normal operation conditions.

3. The start time of warranty period is the delivery date of the product, of which the product SN is the sole basis of judgment. PLC without a product SN shall be regarded as out of warranty.

4. Even within 18 months, maintenance will also be charged in the following situations:

Damages incurred to the PLC due to mis-operations, which are not in compliance with the User Manual;

Damages incurred to the PLC due to fire, flood, abnormal voltage, etc;

Damages incurred to the PLC due to the improper use of PLC functions.

Remove the PLC personally.

5. The service fee will be charged according to the actual costs. If there is any contract, the contract prevails.

6. If you have any question, please contact the distributor or our company directly.

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