

MD8

8 channel DI module: DI to RS485 output

The intelligent DI module is a remote switch value acquisition module, which can collect dry contact switch value. The module interface adopts RS485 communication and standard MODBUS-RTU general protocol, which is convenient for integration into third-party application systems.



Features

- Collect dry contact signal;
- Status indicator: The indicator is always on when the input signal is detected as a short circuit;
- Baud rate: 2400~9600 can be set
- Built-in dual watchdog to ensure that the module can automatically recover under any disturbance;
- The external port has EMC design, strong anti-interference ability and high long-term stability;
- Wiring interface: The external 10-position terminal is used, which can be easily disassembled;
- Standard 35mm DIN rail installation, convenient construction and installation.

Specification

Model Number	MD8
Power supply	12V DC

Power consumption	<1W
Working environment	-10°C ~ 50°C, 10% ~ 90%RH, no condensation
EMC	ESD protection
Communication	RS485
Data format	N,8,1
Data baud rate	2400 ~ 9600bps, Default is 4800bps
Input channel	8, non-isolated digital signal inputs
Input impedance	1K (integrated inside)
Input level	Logic level 0: Input (D*)+ (D*)- connected Logic level 1: Input (D*)+ (D*)- disconnected

Wiring

(1) Power input range

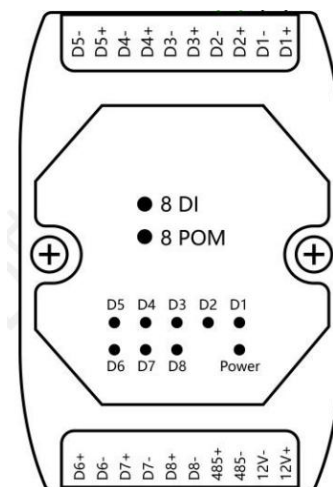
11-13 V DC, rated at 12V DC, "+12V" is connected to the positive pole of the power supply, and "GND" is connected to the negative pole of the power supply.

(2) RS485 bus

"485+" is the positive pole of RS485, and "485-" is the negative pole of RS485. The communication parameters are: 4800, N, 8, 1, the baud rate is: 4800, and the factory setting of the communication address is 1.

(3) Digital signal input

The input terminals are D1+, D1-, D2+, D2-...D8+, D8-. D1+ and D1- are a group, D2+ and D2- are a group, and so on, total 8 groups of switch signals can be collected.



Installation

It adopts standard 35MM DIN rail installation.