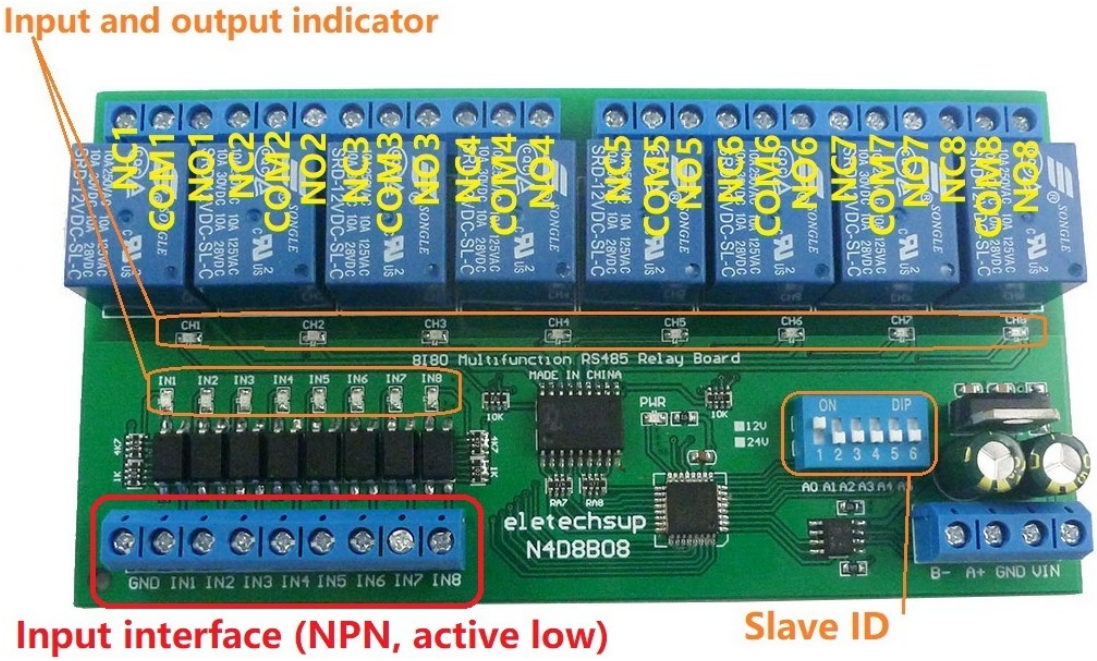
N4D8B08 8CH RS485 IO input and output controller Manual

- 2CH RS485 Relay Serial HyperTerminal Enter:

http://v.youku.com/v_show/id_XMTM0ODY4NzkxMg==.html

- 2CH RS485 Relay Modbus Poll Enter(Usage 2-channel and 8-channel is the same):

http://v.youku.com/v_show/id_XMTM0ODY4OTg5Mg==.html



Features:

1: DC 12V (12V Version), DC 24V (24V Version)
2: Standby current (all relays closed) 13MA, 1 relay open 41MA, 2 relays open 69MA, 3 relays open 95MA,4 relays open 122MA,5 relays open 149MA,6 relays open 174MA, 7 relays open 198MA,8 relays open 225MA
3 8 photoelectric isolation Input ports (NPN low level active), the input and output relationship can be set to associated (default) and non-associated through commands.
4: "open" "close" "Momentary" "Self-locking" "Interlock" "Delay" 6 Commands
5: MODBUS RTU command, Support 03 06 16 function code
6: Under the "Delay" command ,the maximum delay is 255 seconds;
7 MODBUS commands can be made serial HyperTerminal (serial assistant) OR "Modbus Poll" Enter;
8 Under the MODBUS command mode, it can support up to 64 devices in parallel
9 The default baud rate is 9600BPS. The baud rate can be selected through jumpers: 2400 4800 9600 19200BPS
10 Size: 136 * 72 * 20mm(Only PCB Board);140 * 88* 42mm(with Din Rail Box)
11 Weight: 134g(Only PCB Board);223g(with Din Rail Box)
12 Maximum load: 10A / 250VAC, 10A / 125VAC, 10A / 30VDC, 10A / 28VDC, 10A / 12VDC

DIN rail Box parameters:

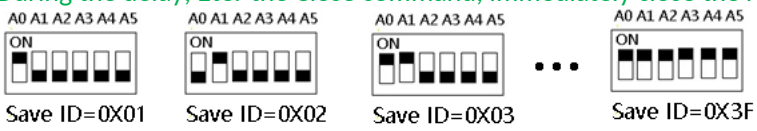
Product model: UM72
Color: green
Width: suitable for PCB board width UM72(72mm)
Insulation grade: flame-retardant VO grade
Backplane length: suitable for 136 mm PCB boards
Net weight: 99g
Installation: DIN35 and C45 rail

Glossary:

NO : Relay normally open contact
COM : Relay common contact
NC : Relay normally closed contact
Open : NO connection COM, NC disconnect COM
Close : NO disconnect COM, NC connection COM
Momentary : Enter the Momentary command, the Rreceiver Relay is Open, delay of 0.5 seconds after, Relay is Close;
Toggle : Enter the Toggle command, the Rreceiver Relay is Open, Enter the Toggle command again, Relay is Close;

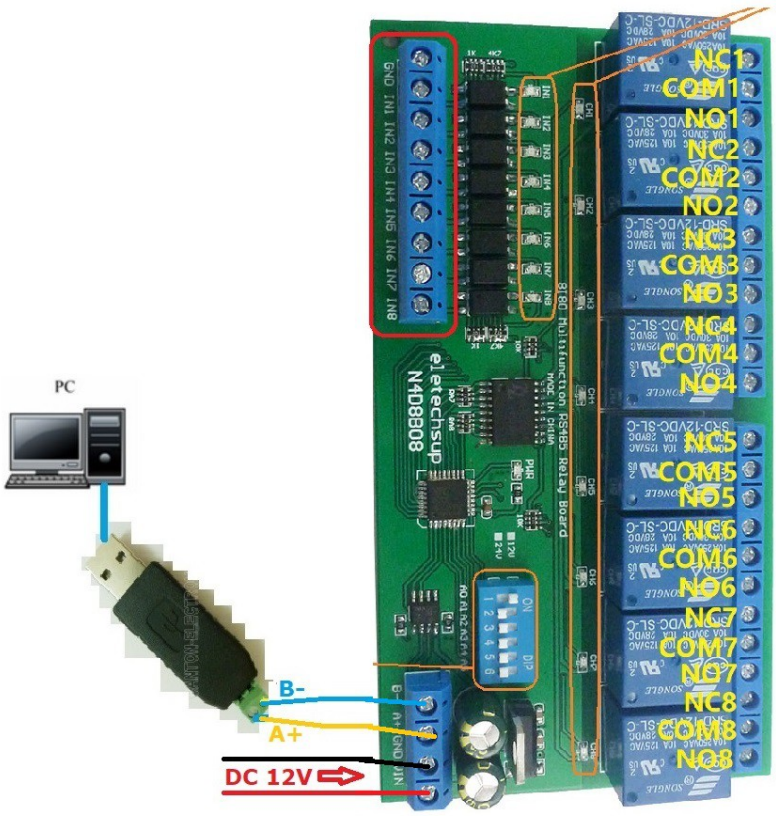
Latched : Enter the Channel 1 Latched command, the receiver Channel 1 is Open, the Channel 2 is Close.
Enter the Channel 2 Latched command the receiver Channel 2 is Open, the Channel 1 is Close.
Enter the Channel 3 Latched command the receiver Channel 1 is Close, the Channel 2 is Close.

Delay : Enter the Delay command, the Rreceiver Relay is Open, delay of 0-9999 seconds(MODBUS command is 0-255 seconds)after, Relay is Close;
During the delay, Eter the Close command, immediately close the relay

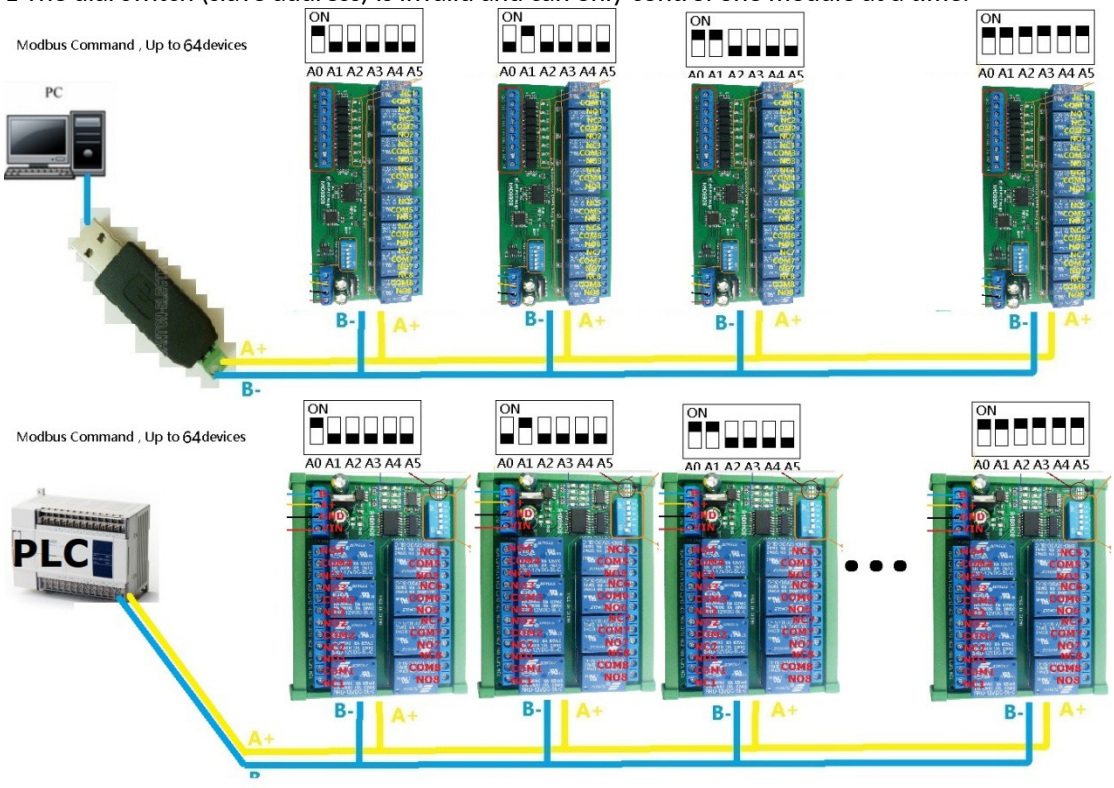


Slave ID: A0-A5 is the slave ID, you can choose 64 different slave ID.
Under the MODBUS command mode,the slave ID must be correct
command Description, Please refer to "N4D8B08 8-channel RS485 IO input and output controller commamd"

Typical applications:

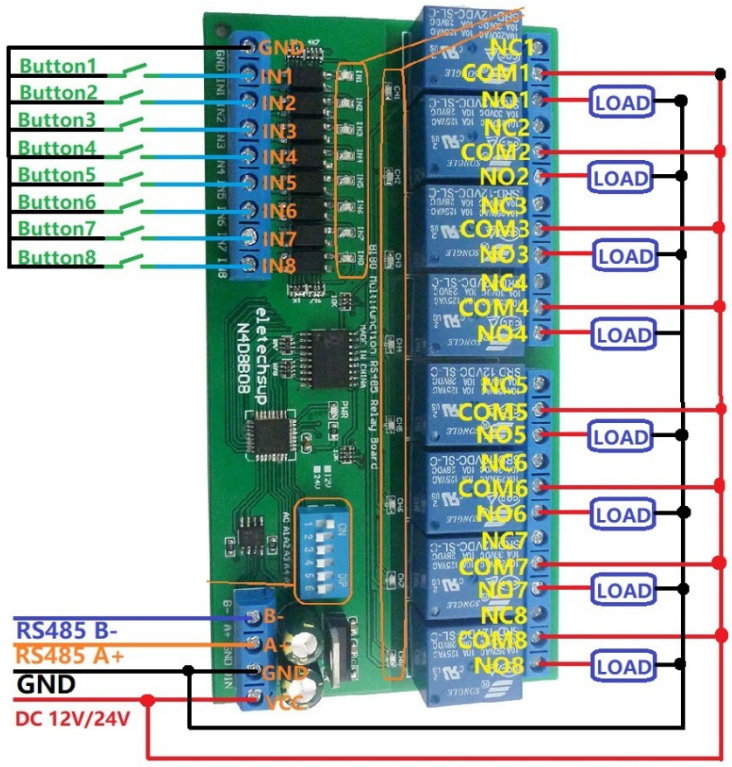


1 The dial switch (slave address) is invalid and can only control one module at a time.

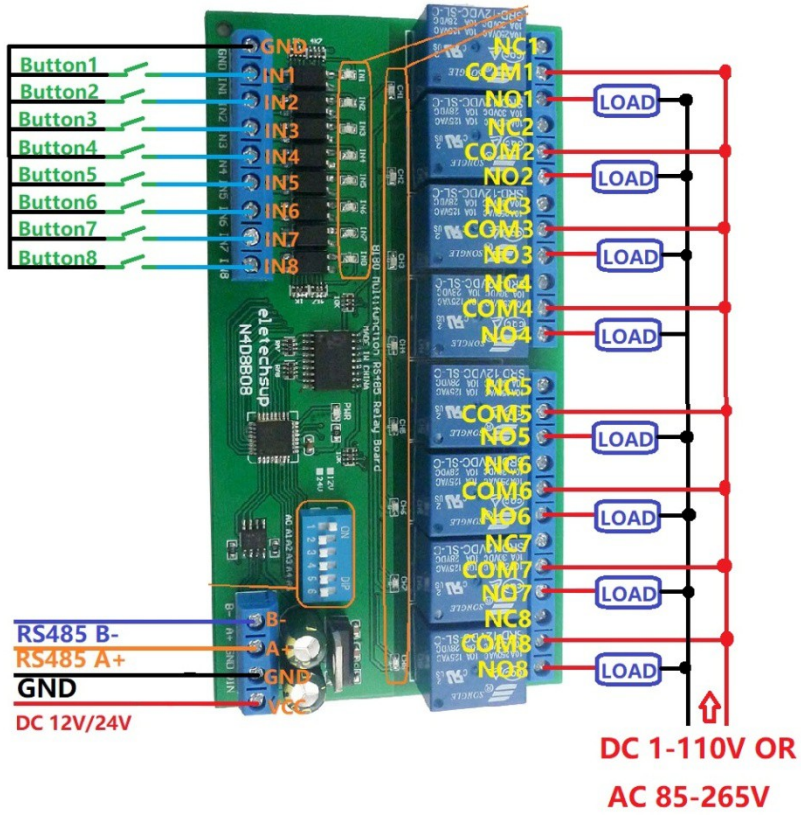


MODBUS command mode (HEX), you can control a variety of ways: Serial Hyper Terminal Control (need to manually add the CRC), Modbus Poll software control (software automatically add the CRC), PLC or MCU process control

Wiring Diagram:



1 DC 12V control circuit,Wiring diagram below. "LOAD" may be camera,LED lights, fans, motors and other DC 12V equipment



2 DC 1-110VAC 85-265V control circuit,Wiring diagram below(Note:If not DC 12V load, need another DC 12V power supply). "LOAD" may be LED lights, fans, motors Lights, fluorescent lights, solar water heaters and other DC AC equipment