# 8 Channel RS485 Relay Manual

- 2CH RS485 Relay Serial HyperTerminal Enter(8-channel do not have AT command mode):

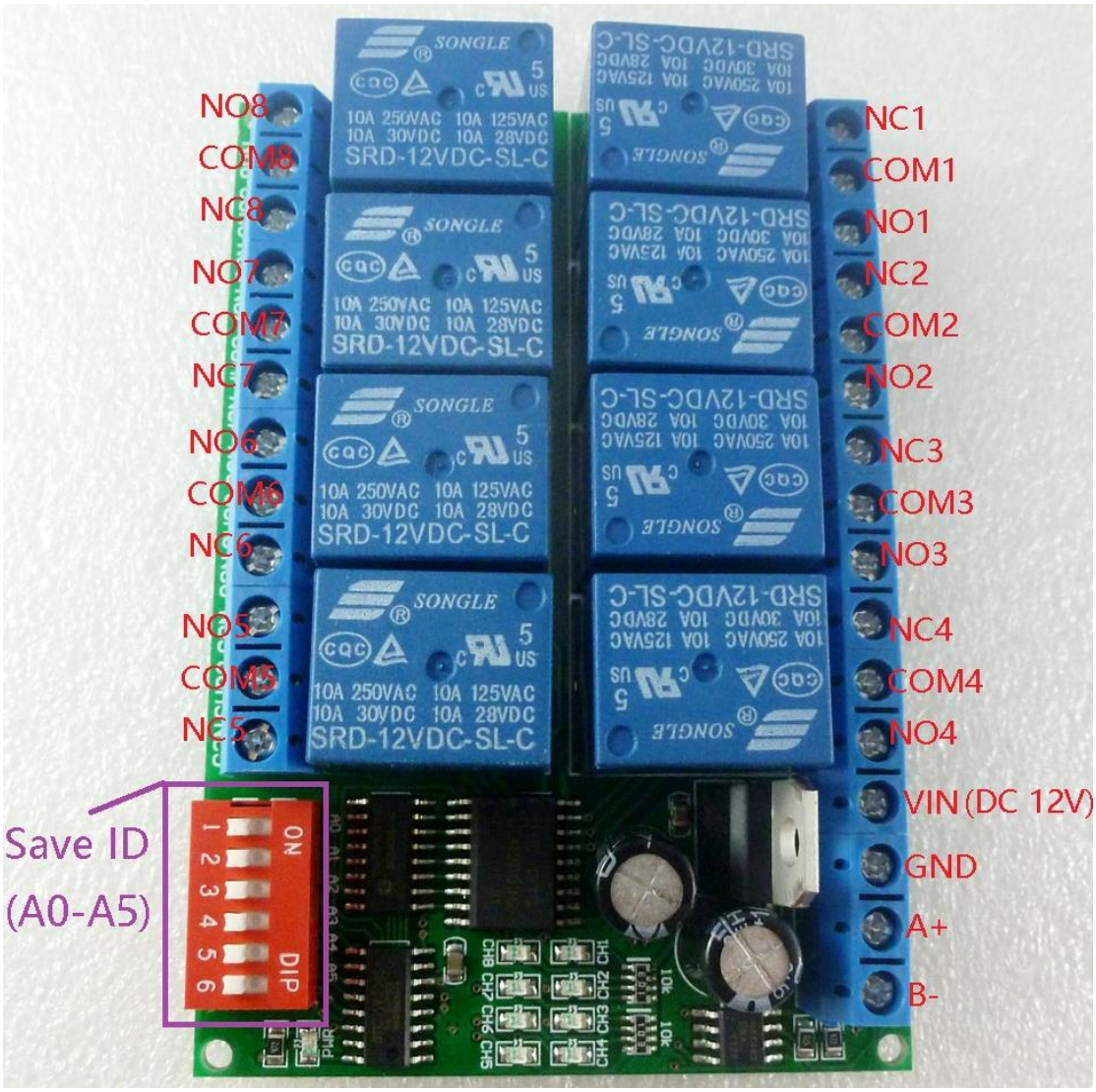
**http://v.youku.com/v_show/id_XMTM0ODY4NzkxMg==.html**

- 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 power supply (voltage range 9-13V )
2: Standby current (all relays closed) 12MA, 1 relay open 40MA, 2 relays open 67MA, 3 relays open 95MA,4 relays open 121MA,5 relays open 147MA,6 relays open 173MA, 7 relays open 198MA,8 relays open 223MA
3: "open" "close" "Momentary" "Self-locking" "Interlock" "Delay" 6 Commands
4: MODBUS RTU command
5: Under the "Delay" command ,the maximum delay is 255 seconds
6 MODBUS commands can be made serial HyperTerminal (serial assistant) OR "Modbus Poll" Enter;
7 Under the MODBUS command mode, it can support up to 64 devices in parallel
8 Size: 90 * 62 * 19.5mm
9 Weight: 115 g
10 Maximum load: 10A / 250VAC, 10A / 125VAC, 10A / 30VDC, 10A / 28VDC, 10A / 12VDC




## 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;

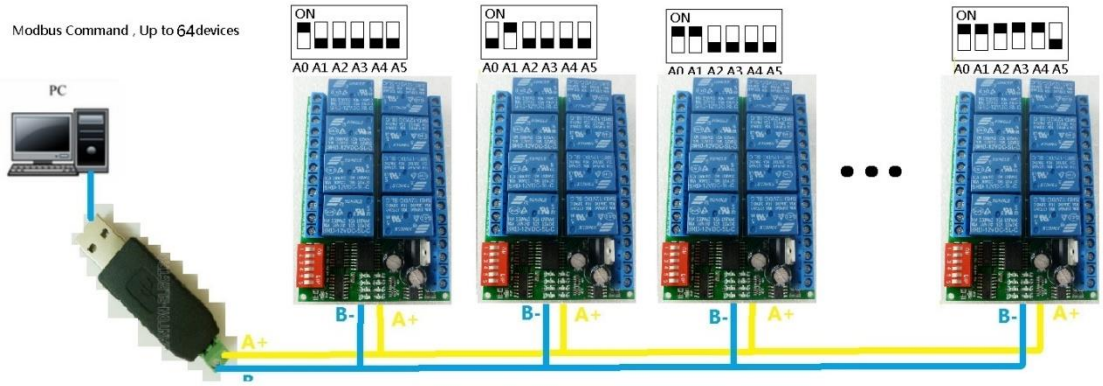
Latched : Enter the Channel 1 Latched command, the receiver Channel 1 is Open, the Channel 2 is Close.
Enter the Channel 2 Latched command the receiver Channel 2 is Open, the Channel 1 is Close.
Enter the Channel 3 Latched command the receiver Channel 1 is Close, the Channel 2 is Close.

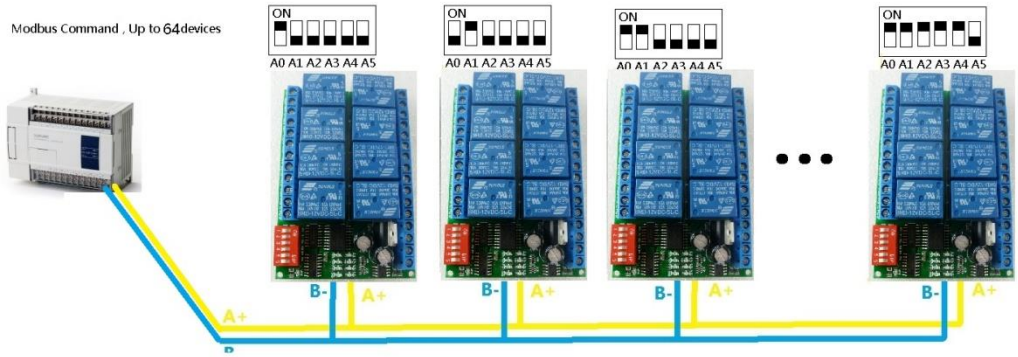
Delay : Enter the Delay command, the Rreceiver Relay is Open, delay of 0-9999 seconds(MODBUS command is 0-255 seconds )after, Relay is Close;
During the delay, Eter the Close command, immediately close the relay


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 "8 Channel RS485 Relay Command"

**Typical applications:**

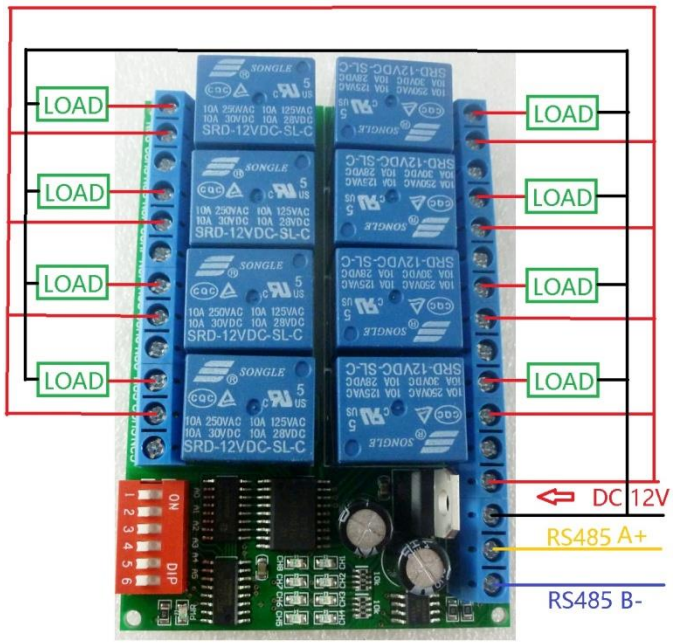



MODBUS command mode (HEX), you can control a variety of ways: Serial Hyper Terminal Control (need to manually add the CRC), Modbus Poll software control (software automatically add the CRC), PLC or MCU process control

## 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 1-100VAC 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