

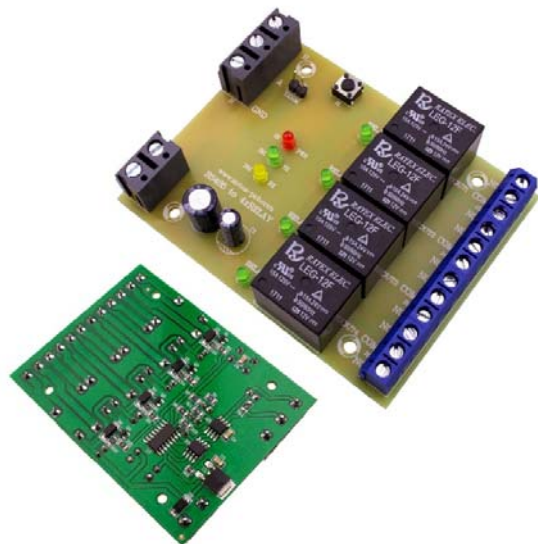


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RS485 to 4xRelay

№100860



Description

- device for primary load control at distance up to 1200m through an RS485 communication interface

- terminal J1

- VCC – power supply 12V DC
- GND – ground

- terminal J2

- GND – ground
- B – RS485 signal line B
- A – RS485 signal line A

- terminals J3, J4, J5, J6 – NO, NC, COM relay contacts

Signalling:

- red LED D4 (PWR) – power supply is on

- yellow LED D8 (RX) – receiving data

- green LED D7 (TX) – sending data

- green LEDs for relay states: D4 (RELAY1), D6 (RELAY2), D8 (RELAY3) and D10 (RELAY4)

The device is commonly used for relay control through RS485 communication interface, standard MODBUS RTU or simplified protocol.

The RS485 interface used allows connecting up to 32 controllers in a communication line up to 1200m.

It is applicable for control of industrial and domestic appliances such as: light fittings, electric lock control, garage doors control and etc.

RS485 to 4xRelay features

- 2-Wire connection by RS485
- Reverse-voltage protection
- 4 relay outputs: 10A 250V
- LED indication for:
 - Power supply
 - Receiving data
 - Sending data
 - Relay state
- Communication protocol:
 - MODBUS RTU
 - Simplified
- Programming via RS485 Relay Config free software for Windows XP, 7, 8, 8.1 and 10
- Device supply voltage: 12VDC 200mA
- Size: 83mm x 65mm
- Suitable for mounting in DIN rail box – Z-108

Communication parameters:

- 8 Data, 1 Stop, No Parity, Serial Speed: 9600kbps

Communication protocol:

- MODBUS RTU

- command for reading state – 0x01
- command for saving state – 0x05

- Simplified protocol

- enable output XX – 0xFF 0xFF 0x01 or 255 xx 1
- disable output XX – 0xFF 0xFF 0x00 or 255 xx 0

Note: XX is the particular output address

Programming:

1. Push button PROG while device is turned off
2. Connect the device to a power supply
3. Green LED starts flashing at 1-second interval
4. Set device's address and communication protocol with RS485 Relay Config application
5. Successful programming is indicated by 10 green LED flashings at 0.1-sec interval

Example of Device Wiring Diagram

