

Link do produktu: <https://www.gotronik.pl/modul-4-przekaznikow-sterowanych-rs485-p-3942.html>

Moduł 4 przekaźników sterowanych RS485

Cena brutto	120,00 zł
Cena netto	97,56 zł
Czas wysyłki	24 godziny
Numer katalogowy	BTE-099
Producent	mini moduły

Opis produktu

Moduł 4 przekaźników sterowanych RS485

Moduł 4 przekaźników sterowanych szeregową magistralą RS-485 MODBUS RTU. Moduł HHC-R4I4D posiada zabezpieczenie w postaci optoizolacji przy sterowaniu przekaźnikami. Możliwe jest niezależne sterowanie 4 przekaźnikami. Można odczytywać bieżący stan przekaźnika. Przykładowe zastosowania: sterowanie ogrzewaniem i klimatyzacją, sterowanie urządzeniami i oświetleniem, steroniki PLC itd.

parametry - dane techniczne:

- moduł sterowany szeregowym interfejsem RS485 MODBUS RTU
- optoizolacja do sterowania przekaźnikami
- obudowa ABS
- napięcie zasilania: 12V DC
- zaciski typu ARK terminal block do przykręcania przewodów
- karta katalogowa przekaźnika SONIC 2 SRD-05VDC36V-DC

4 opto-isolated inputs for dry contact input switch, not with voltage. 4 10A high current relay outputs. Adoption RS485 interface, A popular protocol used industry MODBUS RTU protocol. You can easily embed the RS485 bus. An RS485 bus 32 modules can be attached. Software set address and other parameters. Address and other parameters are stored in EEPROM. Providing control sample source code. Standard industrial rail mounting. Anti aspiration design. The power is not aspiration. MODBUS standard provides test software. Wide power supply 9-24V supply.

First, the wiring instructions

GND ----- ground NO1 ----- The first group normally open relay
 + 12V ----- 12V COM1 ----- first group of relay common
 NC1 ----- 485A ----- RS485 are the first group of relay normally closed
 485B ----- RS486 negative NO2 ----- The second group normally open relay
 IN1 ----- first group of digital input COM2 ----- second set relay common
 IN2 ----- second group of digital input NC2 ----- second set of relay normally closed
 IN3 ----- third group switch input NO3 ----- The third group normally open relay
 IN4 ----- Group 4 digital input COM3 ----- The third group relay common
 NC ----- empty, do not use a third group NC3 ----- relay normally closed
 NO4 ----- fourth group of normally open relay
 COM4 ----- fourth group relay common
 NC4 ----- fourth group relay normally closed

One, Software Agreement

9600 baud, A start bit, 8 data bits, one stop bit, invalid check digit. Default Address 0x01. In line with MODBUS RTU protocol specification.

Detailed instructions (0x10 to address, for example)

A reading digital input.

Send Command format: address (1 byte) + commands (one byte) + register address (two bytes) + data field (two bytes) + CRC check code (two bytes).

Data Returned Format: Address (1 byte) + commands (one byte) + returns the number (1 byte) + returned data (one byte) + CRC check code (two bytes) byte

Send: 0x01, 0x02, 0x00, 0x20, 0x00, 0x04, 0x78, 0x03

Returns: 0x01, 0x02, 0x01, 0x0F, 0xE1, 0x8c

Return: 0x0F, This module only low four, only interested in the low four. From the first to the second 4, respectively, the digital input INPUT1 to INPUT4 state, when there is the digital input

When the signal, the corresponding bit is 0 if the first way switch input, there is no other way switch input, the value 0x0E.

2, Control relay outputs.

2.1 a control individual relay (assuming module 0x01)

Opened the first road 0x01, 0x05, 0x00, 0x10, 0xFF, 0x00, 0x8D, 0xFF

To open the second road 0x01,0x05,0x00,0x11,0xFF, 0x00,0xDC, 0x3F

Open the third road 0x01,0x05,0x00,0x12,0xFF, 0x00,0x2C, 0x3F

Open fourth road 0x01,0x05,0x00,0x13,0xFF, 0x00,0x7D, 0xFF,

Off the first road 0x01,0x05,0x00,0x10,0x00,0xCC, 0x0F

Second off road 0x01,0x05,0x00,0x11,0x00,0x00,0x9D, 0xCF

Off Third Road 0x01,0x05,0x00,0x12,0x00,0x00,0x6D, 0xCF

Off fourth road 0x01,0x05,0x00,0x13,0x00,0x00,0x3C, 0x0F

2.2 all in one operation relay

Open all0x01,0x0F, 0x00,0x10,0x00,0x04,0x01,0x0F, 0x8F, 0x51

All off0x01,0x0F, 0x00,0x10,0x00,0x04,0x01,0x00,0xFF, 0x55

Is set to open a two-way, set off the road thirty-four0x01,0x0F, 0x00,0x10,0x00,0x04,0x01,0x03,0xBF, 0x54

Set off a Road, the road home thirty-four open 0x01,0x0F, 0x00,0x10,0x00,0x04,0x01,0x0C, 0xFF, 0x50

3,Read relay output status

SendInstruction formatFormula: address (1 byte) + commands (one byte) + register address (two bytes) + data field (two bytes) + CRC check code (two bytes).

Data Returned Format: Address (1 byte) + commands (one byte) + returns the number (1 byte) + returned data (one byte) + CRC check code (two bytes) byte

Send:0x01,0x01, x00,0x10,0x00,0x04,0x3C, 0x0c

Returns:0x01, 0x01, x01,0x00,0x51,0x88

ReturnBack 0x00, status output relay, 0 is off, 1 is energized. This module only low four, only interested in the low four.

4,Setting the module address

WillDevice address to01: 0x00,0x06,0x00,0x01,0x00,0x01,0x18,0x1b

This product is definitely connected PLC, we know PLC supports MODBUS RTU protocol, the following test software with MODBUS Modbus Poll test communications.

zdjęcia:

