

Code: 4R-D7

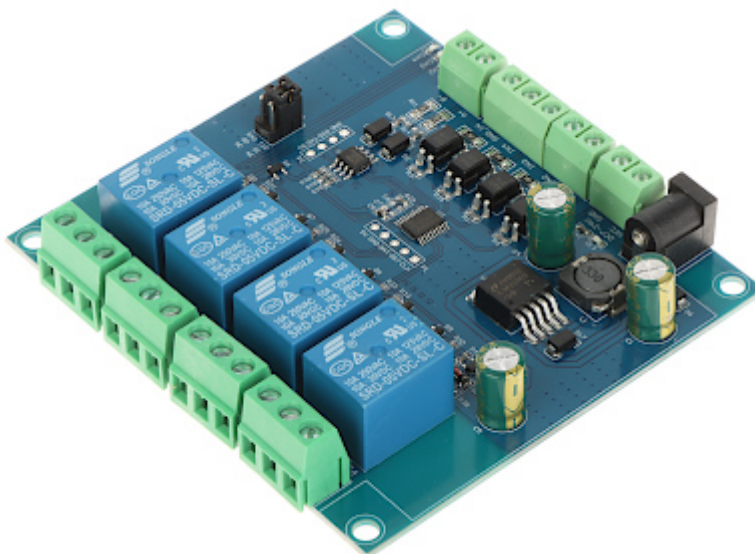
## RELAY MODULE **4R-D7** Modbus RTU

Net: **12.16 EUR** Gross: **12.16 EUR**

The 4R-D7 module allows you to control 4 relays using the Modbus RTU protocol. Communication with the device can take place via the RS-485 or UART TTL interface.

In addition, the device has 4 control inputs protected with optocouplers (input voltage range: 3.3 V ... 30 V). The voltage from the control inputs is not the voltage directly supplying the relay coil.

**Attention!** The selection of the control interface is made by means of jumpers placed on the board. It is not possible to control the outputs using both communication paths simultaneously.

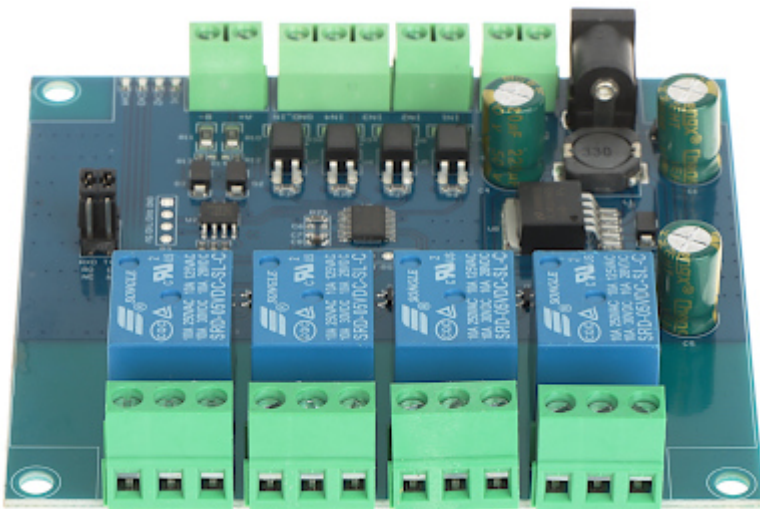
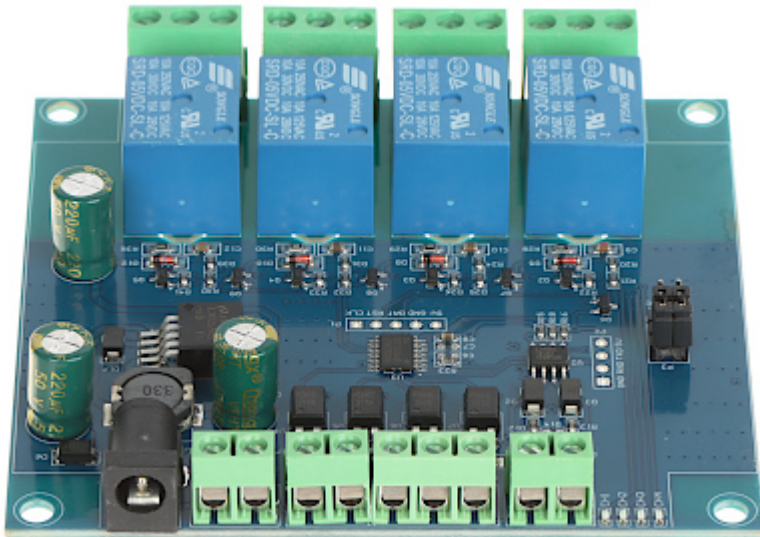


### SPECIFICATION

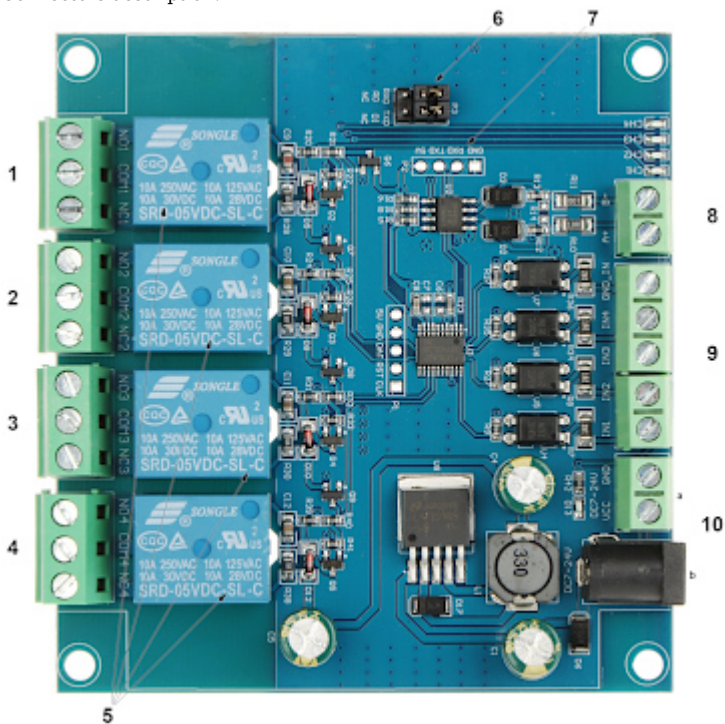
|                          |   |
|--------------------------|---|
| PTZ control:             | RS-485 / UART TTL   |
| Protocol:                | Modbus RTU  |
| Transmission speed:      | 4800 / 9600 / 19200 b/s (default: 9600 b/s)   |
| Number of inputs:        | 4 pcs   |
| Number of relay outputs: | 4 pcs   |
| Relay maximal load:      | 10 A / 250 V AC ,<br>10 A / 30 V DC   |
| Output:                  | 4 x NO/NC   |
| Main features:           | <ul style="list-style-type: none"><li>• LED indication</li><li>• The control inputs protected with optocouplers, which allows the use of control signals with voltages in the range of 3.3 V DC ... 30 V DC</li><li>• The UART interface input is adapted to the installation of gold-pins for signals with voltages adapted to the TTL level (3.3 V DC / 5 V DC)</li><li>• Possibility to configure the device address (with saving the settings after a power failure) in the range of 1 - 255 (default address 255)</li><li>• Possibility to set the delay of the relay operation (base unit: 0.1 s, value range: 0.1 s ... 6553.5 s)</li><li>• Protection against reverse polarity of the input voltage</li></ul> |
| Power supply:            | 7 V ... 24 V DC (power adapter not included)  |
| Weight:                  | 0.092 kg  |
| Dimensions:              | 93 x 91 x 20 mm   |
| Guarantee:               | 2 years   |

### PRESENTATION

DELTA-OPTI Monika Matysiak; <https://www.delta.poznan.pl>  
POL; 60-713 Poznań; Graniczna 10  
e-mail: [delta-opti@delta.poznan.pl](mailto:delta-opti@delta.poznan.pl); tel: +(48) 61 864 69 60



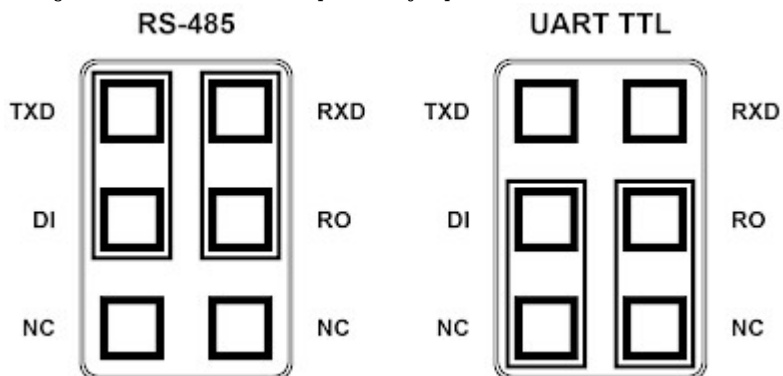
Connectors description:



- 1. 1 relay output
- 2. 2 relay output
- 3. 3 relay output

- 4. 4 relay output
- 5. RELAY
- 6. Channel selection jumpers
- 7. UART TTL
- 8. RS-485
- 9. Control inputs
- 10. a Power input (screw terminals)
- 10. b Power input (5.5 / 2.1 mm socket)

Configuration of the transmission path with jumpers:



**PACKAGE**

|                                  |                    |
|----------------------------------|--------------------|
| Dimensions (L x W x H): 0x0x0 mm | Gross Weight: 0 kg |
|----------------------------------|--------------------|

