

## TELEM-DO5-T digital output RTU module



The TELEM family RTU module TELEM-DO5-T with fixed or changeable relay outputs for control operation of 5 objects (+ 5 objects with external relays module). Module bases on 32-bit ARM CPU. Interfaces to other equipment are RS-232 or RS-422. Data exchange protocol IEC 60870-5-1-101.

### Features

- Configuration/parameter setting with IEC 60870-5-101 protocol using Configuration Tool.
- Adjustable Control pulse length 20ms ... 1min.
- Daisy-chain master-slave connection for up to 15 modules using RS-422 interface
- Self diagnostics and supervision simultaneously with data acquisition
- Operation execution control
- Relay coil impedance check before control operation
- Control operation execution signal
- Onboard knife disconnectors for relay outputs

### Technical data

Number of controllable objects	5 (+5)
Number of outputs for every objects	1 output for ON operation, 2 for OFF/TRIP operation
Output relay max. capacity	10A at 250 VAC, 10A at 50VDC
Relay coil impedance	777 Ohm
Indication	2 for every output, 1 for running indication, 1 for alert indication

### Power requirements

Supply voltage for main board and relays	20...72 V DC, 2 W
Fuse protection	0,1A (resettable)

### Installation, terminals and environment

Weight	761 g
Mounting	DIN 35
Dimensions (WxHxD)	250 x 125 x 64
Terminals for signal	GMVSTBW 2,5/6-ST
Terminal for power	MVSTBWA 2,5/4-ST
Terminal for communication	RJ4/4 (RS232); RJ12 (RS422)
Over voltage protection	IEC-60255-4, 5 kV pulse protection IEC-60255-5, 2 kV DC on
Disturbance	IEC-61000-3-2, 61000-6-2, 6100-6-4
Ambient temperature in operation	-30...+70°C

### Communication ports configurable parameters and general settings

Communication speed	200 - 115200 bps
Link Address	1 - 255
ASDU address	1 - 255
Object's base address	0 - 65500
Communication mode	Online

### Configuration parameters for digital outputs

In use	Yes/No
Control mode	Select and execute / Execute
Short pulse duration	1 - 65535 ms
Number of short pulses	1 - 255
Long pulse duration	1 - 65535 ms
Number of long pulses	1 - 255

### Configuration

Configuration of TELEM-DO5-T is configured using **TELEM-GWS** software. All 5 digital outputs are configured independently.