



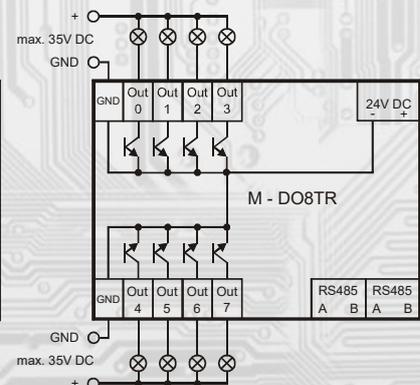
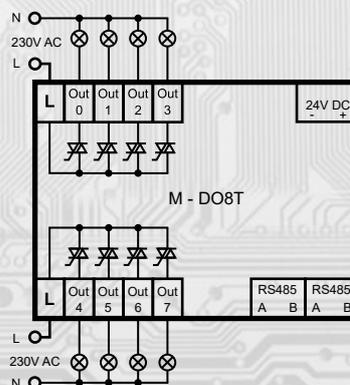
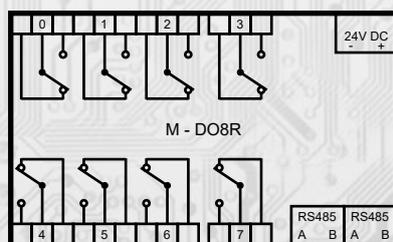
- Communication line RS485
- Protocol ModBus RTU
- 8 digital outputs
- Galvanic separated outputs – relay or triac
- Two software configured modes – two-state outputs, proportional outputs
- Configuration of output values when communication is interrupted
- Outputs - relay (M-DO8R)
triac (M-DO8TC), M-DO8TV)
transistor (M-DO8TR)

Description

The output unit M-DO8 is designed to communicate on the RS485 line, protocol ModBus RTU. The device is comprised of 8 galvanic separated outputs type relay or triac, eventually 8 transistor outputs without galvanic separation. The modules are suitable for proportional control of thermo-electric hubs of valves, control of revolution pumps etc. Modules with triac outputs are produced in two versions M-DO8TC is designed to switch current and inductive loads up to 1A power consumption and M-DO8T for switch high output impedance loads off state up to 0,5A (e.g. some types of drives for adjusting valves and dampers). Type M-DO8TV must not be used for switch inductive loads.

The device is built in the compact box designed for mounting on the 35 mm DIN rail. Indicators LED are located on the front panel (power supply, error, status of inputs). The firmware enable to set the two-state output mode or proportional output mode. Within proportional output it is possible to set number of steps and timing of steps.

Wiring



Technical parameters

Communication line	RS485	Power supply	24 V= ± 15%
Transmission rate	1200-115200 Bd	Power consumption	150 mA
Output	M-DO8R : 8 x relay M-DO8TC: 8 x triac M-DO8TV: 8 x triac for noninductive load M-DO8TR : 8 x transistor	Switched voltage/current	M-DO8R: max. 250 VAC/8A (28VDC/8A) M-DO8T: 20 ÷ 250 VAC/1A M-DO8TV: 20 ÷ 250 VAC/0,5A M-DO8TR: max. 25 VDC/1A
Signal connection	IP20, screw clamps (2,5mm ²)	Storage temperature	-25°C + 70°C
Switch on /off time	M-DO8R : 10 ms / 5 ms	Operating temperature	-25°C + 50°C
Configuration file	freeware	Relative humidity	< 80%
Switching frequency max. (M-DO8TR)	10 kHz	Dimensions (h x w x d)	90 x 71 x 58 mm (M-DO8T, M-DO8TR) 90 x 106 x 58 mm (M-DO8R)
Galvanic separation of outputs	Yes <500V	Galvanic separation of RS485	no