

**TDS13510**

**Relay interface 8x16A (with manual control)**



Relay interface with eight single pole power relay contacts of 16A/250V. Each relay has its own manual control. In case of power failure, or when the central system should fail, the user is able to decide the setting of the relay contact by the provided top notch. After power and/or control is active again, the system automatically takes control of the eventually changed relay settings.

**APPLICATION**

To be used when high power contacts are needed. The manual control of the output contacts makes this interface attractive to be used to control critical circuits (for example to control some basic light circuits in the house).

**CHARACTERISTICS**

**General**

8 single pole, normal open, bistable relays.  
Switching power per relay output:

- $I_N = 16A/250V$  (minimum load 5W)
- $I_{HI} = 100A$  (see appendix 1: Inrush Currents in the TELETASK data sheet book)

Full manual control available.

The contacts remain in their position when power (over AUTOBUS) fails.

**Relay**

Contact material	AgCdO-AgNi
Max. switching power	4000 VA
Max. switching current	16 A
Mechanical life	10 000 000
Test voltage	4000 V eff. (coil-contact)
Test voltage	1000 V eff. (open contact)

**LED feedback**

- Heartbeat

**SETTINGS**

**Configuration**

Via PROSOFT Suite (3.5.6 or higher).  
Compatible with older PROSOFT versions if configured as TDS13500.

**AUTOBUS address**

Via two rotary switches "Tens" & "units".

**Jumpers**

Terminating resistor (supplied with the interface). To be used when the interface is at the physical end of the AUTOBUS cable.

**INSTALLATION**

**DIN-rail mounting**

9 modules wide.

**Supply voltage**

12V supplied by the AUTOBUS (minimum 9V).

**Important installation remarks**

- ! Must be placed inside an electrical cabinet to avoid the risk of an electrical shock.
- ! Follow the safety standards from the local authorities to be compliant with all regulations.

**CONNECTIONS**

**AUTOBUS**

AUTOBUS connector set + patch cable (supplied with the interface).

**Contacts**

265 VAC max.  
Screw terminals; max. 4mm<sup>2</sup> (solid) (AWG12) or 2,5mm<sup>2</sup> (stranded) (AWG14).

! Must be protected with external 16A fuses.

**POWER CONSUMPTION**

**AUTOBUS**

Max. 36 mA (all relays OFF = all relays ON)

**DIMENSIONS**

162 W x 90H x 61D (mm)

**NET | GROSS WEIGHT**

0,450 kg | 0,570 kg

**PACKAGING CONTENT:**

TDS13510 interface  
AUTOBUS connector set + terminating resistor  
AUTOBUS Patch cable

**STORAGE**

**Temperature**

-20°C to +65°C

**Relative humidity**

15% to 85%

**IP PROTECTION RATE**

IP20

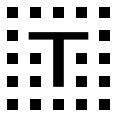
**OPERATING RANGE**

**Temperature**

0°C to +50°C max.

**Relative humidity**

5% to 80% at 25°C (non-condensing ambient)



**SCHEMATIC DRAWING**

