

**TDS13610**

**Fluorescent Dimmer 8x1-10V (+ 8x10A contact)**



The TDS13610 fluorescent dimmer interface has 8 analog 1-10V outputs to control dimmable fluorescent lights. The interface also provides the necessary 8 output contacts to switch the main power supply to the 8 dimmed light units.

Otherwise, using PROSOFT Suite V3.0 or higher, you can set the analog outputs as 0-10V outputs. In addition, the contact outputs can be used as standard output contacts, totally independent of the 0-10V outputs. (this can be combined for every 4 channels)

To supply the galvanic isolated output electronics, use a separated/ isolated 12V power supply (optional available ref. TDS10130).

**APPLICATION**

Analog output interface to control dimmable fluorescent lights (or alternative use as described above).

**CHARACTERISTICS**

**Relays**

The 8 relays are plug-in type and can be replaced individually if necessary. (Cover need to be released with one screw.)

IN = 10A/250VAC cos  $\phi$  0,7

IHI = 80Amp (20ms) (see appendix 1: Inrush Currents in the TELETASK data sheet book)

There is one common by 4 relays

**Analog**

The analog outputs are galvanic isolated from the AUTOBUS

**1-10V**

Max. 5mA (= aprox. 25 HF-DIM)

**0-10V**

Load min. 50Kohm

Output impedance (0-10V/1-10V): 33 $\Omega$

**SETTINGS**

**AUTOBUS address**

Via 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.

**PROSOFT Suite**

Via PROSOFT Suite 3.0 or higher as:

8 x 1-10V

or

4 x 1-10V + 4 x 0-10V + 4 x indep. Relays

or

8 x 0-10V + 8 x independent relays

Via PROSOFT 2.80 to be programmed as TDS13608 (only for 8 x 1-10V output)

**INSTALLATION**

**DIN-rail mounting**

9 modules wide

**CONNECTION**

**AUTOBUS**

AUTOBUS connector set + patch cable supplied with this unit.

**External Power Supply (12 VDC/ 200mA)**

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

**0-10V | 1-10V output**

Screw terminals; max. 1,5mm<sup>2</sup> (solid or stranded)

**Relay output**

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

**POWER CONSUMPTION**

**AUTOBUS**

350 mA maximum (all relays on)

**Power Supply Input**

200 mA maximum

**DIMENSIONS**

162 W x 90 H x 60 D (mm)

**NET | PACKED WEIGHT**

0,450 kg | 0,600 kg

**PACKAGING CONTENT**

TDS13610 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 (no humidity/condense)

**SCHEMATIC DRAWING**

**TDS13610**

