

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 φ 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): 33Ω

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. 4mm² (solid) or 2,5mm² (stranded)

0-10V | 1-10V output

Screw terminals; max. 1,5mm² (solid or stranded)

Relay output

Screw terminals; max. 4mm² (solid) or 2,5mm² (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

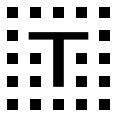
OPERATING RANGE

Temperature

0°C to +50°C max.

Relative humidity

5% to 80% at 25°C (no humidity/condense)



SCHEMATIC DRAWING

TDS13610

