

TDS13611

Dimmer Interface 8x1-10V (+ 8x10A contact)



The TDS13611 dimmer interface has 8 analog 1-10V outputs to control dimmable lights. The interface also provides the necessary 8 output contacts to switch the main power supply to the 8 dimmed light units.

Alternatively, you can set the analog outputs as 0-10V outputs. In this case, 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 necessary galvanic isolation between the AUTOBUS and the outputs, the use of a separated 12V power supply input is available (ref. TDS10132 or TDS10134).

APPLICATION

Analog output interface to control dimmable lights/gears with 1-10V input (or alternative use as described above).

CHARACTERISTICS

Relays

$I_N = 10A/250VAC \cos \varphi 0,7$

$I_{HI} = 80Amp (20ms)$

Analog

The analog outputs are to be galvanic isolated from the AUTOBUS (external 12V power supply)

1-10V

Max. 40mA

Max. 25m

0-10V

Load min. 10K Ω

Output impedance: 1K Ω

Max. 25m

SETTINGS

Configuration

Via PROSOFT Suite (V3.6.22 or higher).

AUTOBUS address

Via rotary switches 'Tens' + 'Units' (defined in PROSOFT)

Jumpers

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

INSTALLATION

DIN-rail mounting

9 modules wide

Important installation remarks

Due to the risk of electrical shocks (230V), this product must be installed by a certified electrical contractor.

Must be placed inside a locked electrical cabinet to avoid the risk of an electrical shock.

Follow the safety standards from the local authorities to be compliant with all regulations.

CONNECTION

AUTOBUS

AUTOBUS connector set + patch cable supplied with this unit.

External power supply input

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

0-10V / 1-10V outputs

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

Relay outputs

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

POWER CONSUMPTION

AUTOBUS

150 mA maximum (all relays on)

External power supply

12V DC 350 mA maximum

DIMENSIONS

162 W x 90 H x 60 D (mm)

NET | PACKED WEIGHT

0,375 kg | 0,495 kg

PACKAGING CONTENT

TDS13611 interface + datasheet
AUTOBUS connector set + terminating resistor
AUTOBUS Patch cable

ENVIRONMENTAL CONDITIONS

Storage (with no condensation or icing)

Temperature: -20°C to +65°C max.

Relative humidity: 5% to 85% max.

Operation (with no condensation or icing)

Temperature: 0°C to +50°C max.

Relative humidity: 5% to 80% max.

IP PROTECTION RATE

IP20

SCHEMATIC DRAWING

AUTOBUS

