



TDS13632

PWM LED Dimmer 2x6,25A (2x150W @ 24V)

The TDS13632 is a two channel PWM dimmer on AUTOBUS to control DC dimmable LED light systems (e.g. LED strips) via the high frequency PWM. The interface can dim any monochrome or colour LED system, from cold to warm light including RGB and RGBW for standard and high end residential and professional applications.

The TELETASK PWM dimmer has the advantage over other dimmers that it offers smooth dimming from 1% to 100%. Due to the TELETASK high frequency TPWM control, it results in a stable luminosity control over the full dimming range.

The TELETASK PWM dimmer unit is also available in a for-channel version ref. TDS13634.

APPLICATION

Two channel PWM dimmer for monochrome/colour LED light strips

CHARACTERISTICS

Protection

Internal 15A short circuit fuse and internal thermal overload protection. The AUTOBUS is internal galvanic isolated from the output circuits.

Spare fuses: order ref. TDS90169 – pack of 10 ultra mini fuses 15A

Configuration

The configuration via PROSOFT includes different ramp speed settings on both fade-in and fade-out. Individual ramp speed can be set on every individual AUTOBUS control button.

Several more settings are possible: Last dim level memory, go to specific level, moods, timers, etc...

SETTINGS

Configuration

Via PROSOFT Suite (3.6.14 or higher).

AUTOBUS address

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

Jumper

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

3 modules wide.

CONNECTIONS

AUTOBUS

AUTOBUS connector set + patch cable (supplied with the interface). 12V (supplied by the AUTOBUS - minimum 9V). Can be checked in PROSOFT diagnostics.

Power supply input (LED)

Only suitable for constant voltage LED drivers.

Power supply (+, 0V): 6-30 V DC max. Depending of the LED system.

Screw terminals; max. 4mm² (solid) (AWG 12) or 2,5mm² (stranded) (AWG 14).

LED outputs

2 x 6,25A (=2x150W @ 24VDC) (12,5A total).

Screw terminals; max. 4mm² (solid) (AWG 12) or 2,5mm² (stranded) (AWG 14).

POWER CONSUMPTION

AUTOBUS

30mA Max. (20mA Standby)

DIMENSIONS

54 W x 90 H x 60 D (mm)

NET | GROSS WEIGHT

0,090 kg | 0,210 kg

PACKAGING CONTENT

TDS13632 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

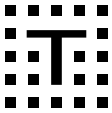
OPERATING RANGE

Temperature

0°C to +50°C max.

Relative humidity

5% to 85% at 25°C (non-condensing ambient)



SCHEMATIC DRAWING

