# DSP2TRA Switchpack
DMX512 switches 2 x 250V~/16A? 2 analogue 0-10V outputs

Switchpack: DSP2TR2A

- The special of the DSP2TR2A is to switch and control LED supplies and other electronic ballasts with high momentary inrush currents.
- The problem to be solved is the summary of high inrush currents of several ballasts which should work at one AC Line.
- The DSP2TR2A is able to do that by switching at zero cross state and using a precision timing between electronic and mechanical relays.
- Because of this feature of the two potential free switches the DSP2TR2A is able to bring more ballasts / supplies online at a 16A circuit breaker as it would be possible without reducing of momentary inrush currents.
- In case of ON signal to both switches at the same time there is a fix delay of approx. 30 ms between K1 and K2, so they never can switched into the on state at the same time. The two additional 0-10V outputs for a direct control of dimmable ballasts are able to source and sink currents up to 50mA.
- A further special is to store a complete DMX512 Frame (scene) into the DSP2TR2A. In case of a DMX failure or without DMX this scene is able to control the switches and the 0-10V outputs.
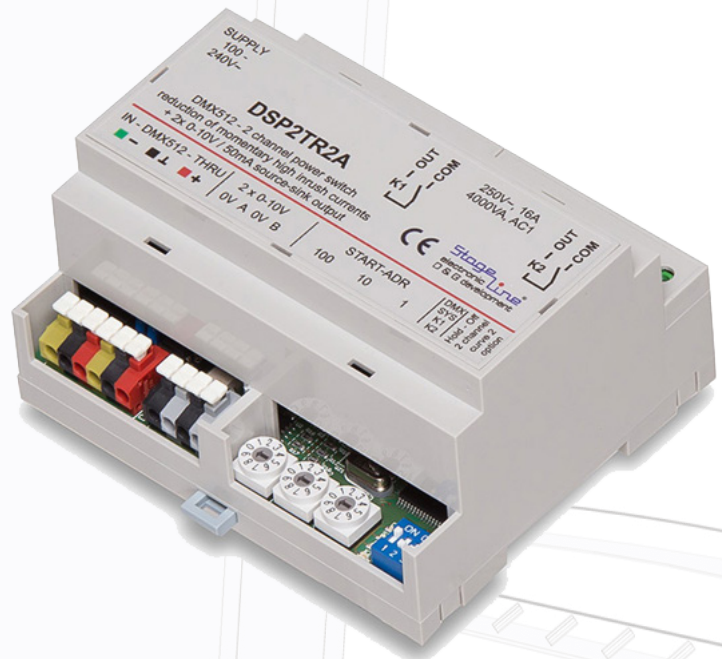
Specifications:
- Relay- and Triac- circuit design
- Switch capacity 250V~/16A
- 2 analogous 0-10V/50mA outputs (source/sink)
- Linear or logarithmic curve for 0-10V outputs
- 4 DMX addresses (2x switch, 2x 0..10V) or in combination with hysteresis
- Elevator clamps for line voltage and colored cage clamps for all types of wires (DMX512 and 0-10V.)
- Terminals for DMX512 input and through
- Testmodes
- Dimensions (LxWxH): 106,25 x 90,2 (without locking knob) x 57,5 mm
- Weight: 270g