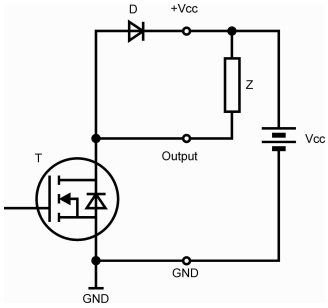
DTA8F8-DIN: 8x Analogue 0-10V + 8x OC Switch

DMX DTA8F8 device allows controlling of most electrical devices (such as LED, halogen lamp, common DC lamp, motors and solenoids) from the theatrical light desk via the DMX line. Device is equipped with eight analogue 0-10V outputs and eight digital outputs that are operated via the N-MOSFET transistor with open collector.

Features:

- **8x analogue output 0-10V */1-10V with a special SW/**
- **8x N-MOSFET Open collector output**
- **Optically isolated DMX input with parallel output**
- **USB upgradeable software via SRS tool**
- **Overvoltage protection of DMX line**
- **LED indication of DMX line**
- **DIP switch for DMX address setting**

DMX input
USITT DMX 512 (1990)
Input is protected by transil diodes and polyswitches
DMX connector wiring: 1: DMX CMN, 2: DMX DATA-, 3: DMX DATA+



Analogue output
8x 0-10V / 30mA per output

Switching output
8x open collector: **DC48V/6A**

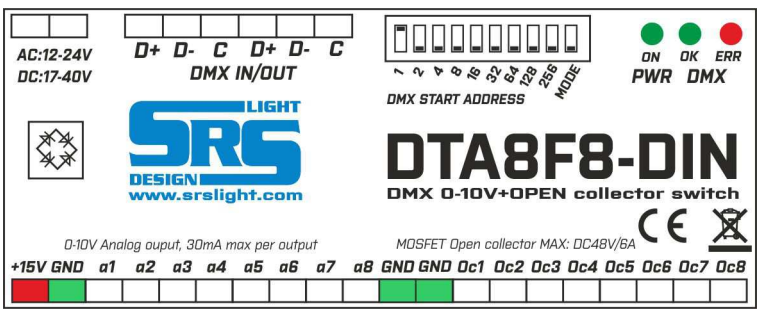
Power supply
DC 17-40V, 160mA
AC 12-24V, 160mA

Temperature of use
-20 ... +60°C

Weight
0.32kg

Housing
Plastic DIN box, 6-module

Control panel preview



DIP switch functions:

1-9: DMX start address setting (1-512)
10: USR used for DMX hold ON/OFF

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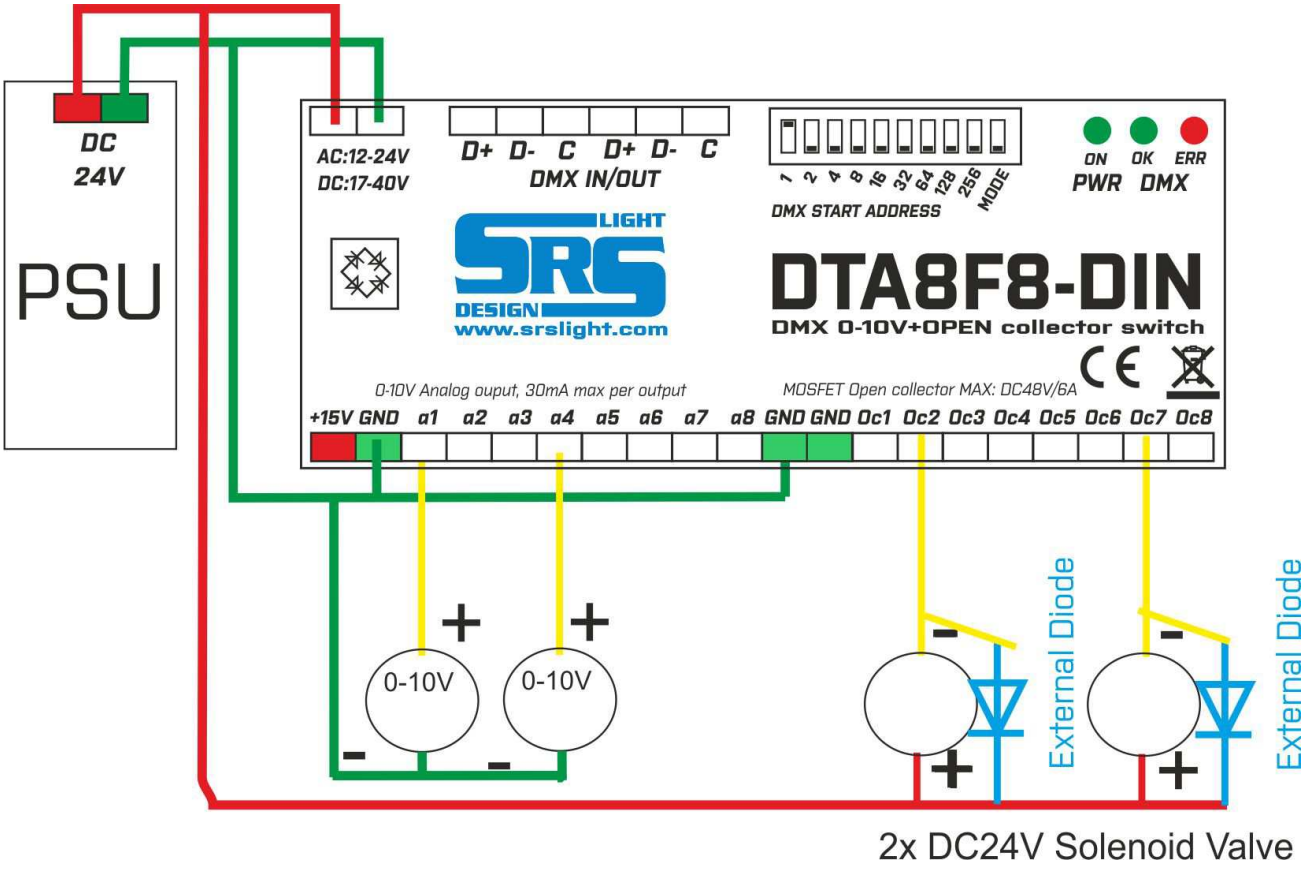
Wiring example: DTA8F8-DIN is feeding the DC24V solenoids + 4 0-10V outputs to EIB



By default, the first 8 DMX channels are analogue 0-10V outputs and channels 9-16 belong to the switching MOSFETS of OC1-OC8.

In the picture above, there is a power supply with the DC24V output used for powering up the DTA8F8-DIN and also as a power for the DC24V Solenoid valves. The 0-10V control channels are on DMX1 and DMX4 lines. The switching channels are on lines DMX10 and DMX15.

Switching from 0 to 100% is performed by the value of 25 on the DMX channel according to the DMX start address setting.

Unit is equipped with a boot loader. Special software functions are available on request at: sales@srslight.com

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