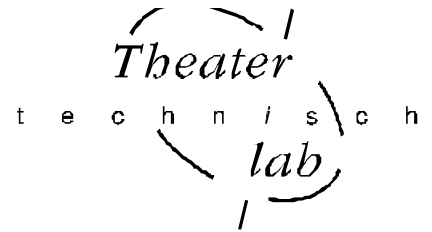


SwitchDAC6: directions for use

(from serial number SWD150 up and until SWD199)



First read these directions, completely, before you get started

DMX address

A 3-fold led display shows the DMX address. At the left and right side of the display you find a switch with which you can reduce or raise the DMX address. After about 3 seconds the changed DMX address is saved automatically in a permanent memory. During these few seconds the last decimal dot blinks.

The DMX address is the number of the DMX channel that corresponds with analogue outlet-1 and relay-1 (if jumper3 is open). Analogue outlet-2/relay-2 corresponds with the next DMX channel etc. If jumper3 is closed, the analogue outlets and the relays are controlled separately, in that case the sequence is: analogue outlet-1,....-6, relay-1,....,-3.

Analogue outlet

Analogue outlet 1 t/m 6 are connected to the clamp terminal *J1*: check the white overprint at the printed circuit board: 1, 2, 3, 4, 5, 6, *COM*. The connection *COM* is the common.

Default setting: voltage control: 0 tot +10[V]. Sil-8 4x220 [Ohm] is placed into the socket of resistor network R3 and R4. If you want current control: 0 tot 370[mA], than you have to replace resistor network R3 and R4 and you must put sil-8 4x27 [kOhm] in its place.

You can adjust the analogue output with the trim potentiometer R5. Default setting: 100% control = 10,1[V] (no load).

Relays

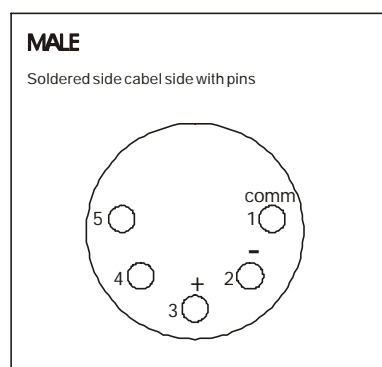
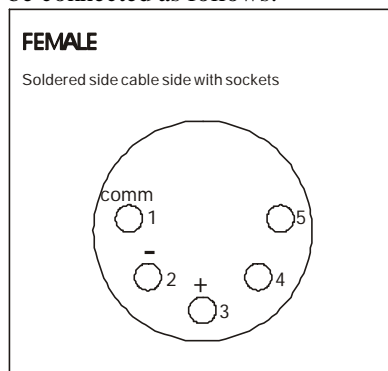
The relays are connected to the clamp terminal *J8*, check the white overprint at the printed circuit board: *Relay-1 Relay-2 Relay-3*. These contacts are potential free. By putting a jumper on *J13, 14 and 15* you connect a condenser over the relay-contacts (snubber), this reduces possible spark forming. We don't advice you to use these snubbers for loads lower than 200W; because of the current through the condenser, the contact seems to stay closed. The DMX value at which the relay-contact is closed is 5 (=2% drive). The DMX value at which the relay opens is 2

Specification relays: contact normally open

Max. continuous current / max. switching current	6 / 10 A
Nominal voltage / max. switching voltage	250 / 400 V~
Max. switching power AC1 (ohmic resistance load)	1.500 VA
Max. switching power AC15 (inductive load: p.e. solenoid)	300 VA
Max. switching current DC1: (ohmic resistance load) 30 / 110 / 220 V	6 / 0,2 / 0,12 A

DMX connection

The switchDAC6 has two XLR-connectors for the DMX connection. The female connector is DMX-in and the male connector is DMX through (goes through to another DMX-equipment). The DMX plug at your cable must be connected as follows:



Voltage supply

SwitchDAC6 is supplied by 230[V] alternating current voltage at clamp terminator *J4*, check white overprint at printed circuit board *E* (=earth) *N* (=null) *P* (=phase)

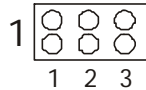
Blower connection

SwitchDAC6 has a connection possibility for a blower of 12[V]/1,4[W]. You find this on the clip terminator *J1* check white overprint at printed circuit board: *12V, COM*

Jumper setting

J1 open: linear (default)

J1 closed: S-curve



J2 open: on lost of signal: DMX is hold (default)

J2 closed: on lost of signal: DMX is not hold

J3 open: analogue out and each relay share a DMX channel (default)

J3 closed: no DMX channel sharing

Dimensions housing

The drawing below gives you the measurements of the housing

