# **Dual DMX-Switch**



#### Overview

A dual channel DMX switch with digital address display for switching loads up to 10A at 240V AC.

The Dual DMX-switch operates on a standard DMX512 network and requires 2 channels for operation. The address may be set between 1 and 511, with programmable DMX signal failure setting.

Standard board fitted with two 10A/240V AC mechanical relays.

The dual DMX switch can also be supplied for 24Vdc operation with mechanical or solid-state relays P.O.A.

# **Connections**

DMX: 3-pin screw terminal connection for input/output, 120R termination resistor

Loads: Twin 3-way terminal blocks

Power Supply: 12V at 500mA via 2.1mm socket (centre positive) or 2 way terminal block.

## Power supply connected

the display will be lit

Base address setting (When connected to valid DMX signal)

Set the required base address using the display +/- buttons

#### Relay status

Indicator Leds show the state of each relay DMX value <87% 224 Off / > 87% 223 On

#### **DMX**

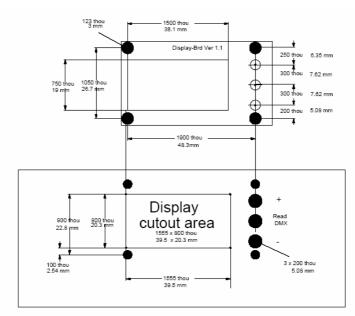
The display will show the current base address when a valid DMX signal is connected. The display will show **ERR/---** when no valid DMX signal is being received. Pressing the 'Read DMX' button will display the current value on the base address.

## **DMX Default setting (Relay 1)**

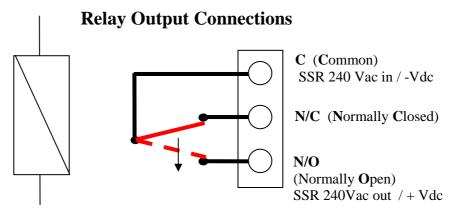
Press and hold the 'Read DMX' button whilst applying the power to the board, release the button after 1 second. The display will now show the DMX signal failure setting for relay 1 (000 = Off) (255 = On) press the +(255) or -(000) address buttons to change the status. Press the 'DMX Read' button again to exit and save the changes.

#### **PCB Size**

109 x 77 x 30mm high and 4mm mounting holes @ 101mm x 63.5mm



DMX Digital Display Dimensional drawing



**N.B.** when using **Solid State DC** relays the load N/O terminal must be positive with respect to the Com terminal.