Rev 1.1 28/07/2012

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 solidstate relays P.O.A.

Connections

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



