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# DMX-Darling

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DMX-Darling is an OEM module that provide twelve Darlington drive outputs suitable for driving relays, with DMX512 control.

The DMX512 base address is set by means of three rotary switches. The module uses twelve consecutive DMX channels to switch the outputs. A DMX level greater than 50% switches the related output on.

The module is mains powered.

Indication for good power and data is provided.

The DMX512 base address switches can also be used as a local override by selecting the code '701'.

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Power J1	Function
Pin 1	Live
Pin 2	Neutral
Pin 3	Earth

JE1	Function
Pin 1	Earth

DMX512 J3	Function	DMX Con
Pin 1	Ground	XLR Pin 1
Pin 2	Data -	XLR Pin 2
Pin 3	Data +	XLR Pin 3
Pin 4	Term -	XLR Pin 2
Pin 5	Term +	XLR Pin 3
Pin 6	N/C	

Output J4-6	Function
Pin 1	+5V
Pin 2	Out 1/5/9
Pin 3	Out 2/6/10
Pin 4	Out 3/7/11
Pin 5	Out 4/8/12

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## Mechanical

- 252 x 47 x 40mm
- Weight 1050 gms
- Mounts: 6 x M3

## Power

- 240VAC 50Hz
- Fuse: 20mm 1A Slow Blow

## Control Input

- DMX512 input on 6 pin WM connector; J3
- Onboard optional termination
- Loop out option

## Drive output

- Darlington drive
- 5V DC Current Sink
- 250mA per output maximum
- 1000mA total current drive

## Operation

- The relay is energised when the level of the selected DMX512 channel exceeds 50%
  - Local control is achieved by selecting '701' on the address wheels
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