



8-WAY OPTO-ISOLATED DMX-512 SPLITTER

Technical Specification Sheet

DESCRIPTION

The Jands DD8-II is an opto isolated DMX-512 splitter designed to provide distribution of one (1) DMX input to eight (8) opto isolated DMX outputs. It includes a DMX "Thru" socket for connection to essential equipment that must maintain DMX signal should the power to the DD8 be lost., and a "Terminate" switch to provide DMX termination facilities for the DMX input.

FEATURES

- Uses industry standard ANSI E1.11 DMX512-A
- Eight (8) opto isolated DMX outputs
- DMX "Thru" connector
- Termination switch
- High quality DMX connectors
- Red LED power indication
- Green LED DMX signal input indication
- Protection of DMX control from faults on DMX inputs and outputs (Active / Neutral across DMX +/-)
- IEC mains input with integral fuse
- Universal 100-240VAC operation
- 500V AC isolation
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OVERALL SPECIFICATIONS

Power supply: 100-240VAC / 50-60Hz
 Consumption: 10VA max
 Connector: IEC 3-pin with integral fuse
 Protocol: ANSI E1.11 DMX512-A

DMX connectors

Male: Alcatel AXR-5MDZ
 Female: Alcatel AXR-5FDZ

DMX connections

Pin-1 DMX Gnd
 Pin-2 DMX -
 Pin-3 DMX +
 Pin-4 Not connected
 Pin-5 Not connected

Indicators

Power: 3mm red LED
 Signal: 3mm green LED

Dimensions: 483mm (W) x 132mm (D) x 44mm (H)
 Net/shipping weight: 2.7/3.5 kg

ORDERING INFORMATION

MODEL/PART	PART NUMBER
• DD8-MKII	JND-DD8

SUPPLIED ACCESSORIES

- 2m IEC to Clipsal 463 power cable (export models may vary)
- Operating manual



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ARCHITECT & ENGINEER'S SPECIFICATIONS

Electronics

The opto isolated DMX-512 splitter shall use a standard ANSI E1.11 DMX512-A input signal to drive eight identical outputs via opto-isolators. The outputs shall be isolated from the input, the chassis, and from each other to 500V AC minimum.

The opto isolated DMX-512 splitter shall include one (1) DMX input and eight (8) DMX output connections. The splitter shall also include a DMX "Thru" socket for connection to essential equipment that must maintain DMX signal should the power to the DD8 be lost. A "Terminate" switch shall provide DMX termination facilities - when Terminate switch is On the DMX Thru connector shall become inactive.

The opto isolated DMX-512 splitter outputs shall be protected against damage from short circuit faults and continuous over-voltages.

The opto isolated DMX-512 splitter shall include Power and DMX Signal LED indicators on the front panel.

The opto isolated DMX-512 splitter shall be factory tested and cyclically burned-in for a minimum of 24 hours.

Operation

Once connected the opto-isolated DMX-512 splitter shall require no operator action.

Electrical

The opto isolated DMX-512 splitter shall be powered by a 'universal' switch mode supply. It shall operate from a single-phase supply between 100 and 240VAC at frequencies of between 50 and 60Hz.

The opto isolated DMX-512 splitter shall not draw more than 10VA from a socket outlet. The power inlet shall be an IEC mains socket with integral fuse, and shall be located on the back panel of the unit. Splitters with external power supplies shall not be accepted.

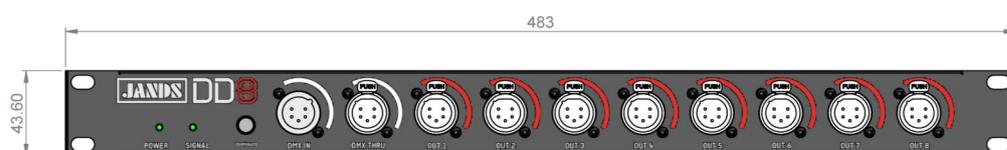
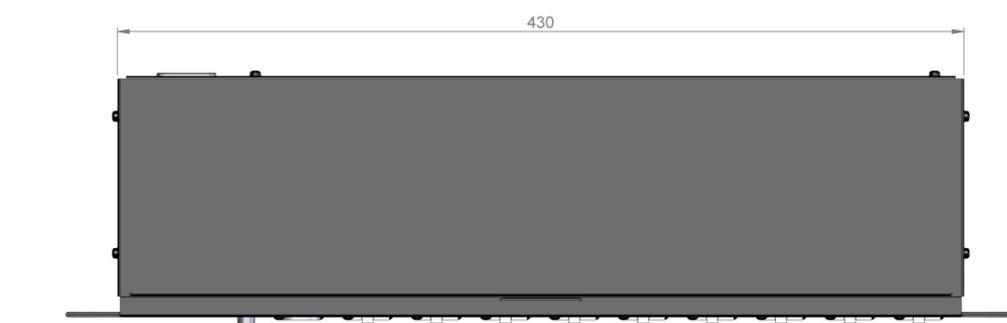
Mechanical

The opto isolated DMX-512 splitter shall be designed to mount in a standard 19 inch equipment rack, and occupy one rack space. The DMX-512 splitter shall be 483 mm wide x 132 mm deep x 44 mm high overall.

The opto isolated DMX-512 splitter shall be constructed from 1.2mm steel, and be provided with a removable lid for access to internal electronics. All metal surfaces shall be properly treated and finished in powdercoat. All DMX inputs/outputs and indicator LEDs shall be positioned on the front panel of the unit. The front and rear surfaces shall include silk-screened legends.

The chassis shall operate where the ambient temperature does not exceed 45°C.

The opto isolated DMX-512 splitter shall be JANDS DD8-II.



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