

DOUG FLEENOR DESIGN

TWO CHANNEL DMX512 RELAY PACK

model: DMX2REL5A

Description:

This DMX512 Relay Pack receives DMX512 and uses the dimmer levels to open or close dry contact relays. The relay is closed when the level exceeds 60%. The relay is opened when the level falls below 40%.

Connections:

Line Cord. The line cord is fitted with a parallel blade with ground (PBG) plug. If a different plug is required, cut off the parallel blade connector and wire on the desired plug using the following color code: Green = Ground, Brown = Hot, Blue = Neutral.

DMX Input. The DMX signal is applied to the male five-pin XLR connector.

DMX Output. The DMX signal is looped through to the female XLR connector to continue the signal run to other devices. (All five pins are looped through).

Relay Outputs. One relay is connected to each male 3-pin XLR style connector. The outside connector carries the contacts for the first relay. The inside connector carries the contacts for the second relay.

The pin outs are:	Outside Connector	Inside Connector
Pins 1	Relay 1 common	Relay 2 common
Pins 2	Relay 1 normally open	Relay 2 normally open
Pins 3	Relay 1 normally closed	Relay 2 normally closed

Controls:

Starting Address. The starting address (the dimmer number that will control the first relay) is set using the three switches on the front panel. Set the number to the starting address. A test mode is provided that closes the relays regardless of the DMX input. Setting the address switch to 601 closes relay #1. Setting the address switch to 602 closes relay #2.

Indicators:

Power Indicator. The red power indicator should illuminate whenever power is applied. If it fails to light, first check that your outlet is good. If the unit is receiving power, the internal fuse may be blown. To check the fuse, unplug the unit, remove the top cover. The line fuse is a 1/2 Amp fast blow.

Signal Indicator. The green signal indicator will illuminate when a DMX512 signal is received. The indicator will flash when the unit is in test mode (address switch settings of 600- 696).

Relay 1 Indicator. The green relay 1 indicator will illuminate when the first relay is closed.

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Specifications:

Input signal:	250 Kilobaud, 0.2 volts minimum, 12 volts maximum.
Input circuit:	EIA-485 receiver with two 100 ohm PTC self resetting fuses, four low capacitance transient suppression diodes.
Input connector:	Gold plated 5 pin male XLR (Neutrik D-1 series) 3 pin optional.
Input pass through:	Gold plated 5 pin female (Neutrik D-1 series). All pins are wired through.
Power Input:	120 volts, 50/60 hertz, 2 watts. (240 Volt Optional)
Output Connection:	(2) Gold Plated 3 pin male XLR (Neutrik D-1 series). pin 1 common pin 2 normally open pin 3 normally closed
Output Rating:	5A 30VDC
Color:	Top, bottom and sides: Silver hammer tone. Front and back: Black.
Size and weight:	1.7"H x 6.5"D x 6.5"W, 2.7 pounds (19" rack adapter available).

Limited Manufacturer's Warranty

Products manufactured by Doug Fleenor Design (DFD) carry a five-year parts and labor warranty against manufacturing defects. It is the customer's responsibility to return the product to DFD at the customer's expense. If covered under warranty, DFD will repair the unit and pay for return ground shipping. If a trip is necessary to the customer's site to solve a problem, the expenses of the trip must be paid by the customer.

This warranty covers manufacturing defects. It does not cover damage due to abuse, misuse, negligence, accident, alteration, or repair by other than by Doug Fleenor Design.

Most non-warranty repairs are made for a fixed \$50.00 fee, plus shipping.

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