

SIX CHANNEL DMX512 RELAY PACK

model: DMX6REL1A

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, Black = Hot, White = 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. Three relays are connected to each male 6-pin XLR style connector. *Note: these connectors are the internationally accepted 6 pin. Switchcraft connectors will not mate with these connectors.* The outside connector carries the contacts for the first three relays. The inside connector carries the contacts for the second three relays.

The pin outs are:

	Outside Connector	Inside Connector
Pins 1/2	Relay 1 normally open	Relay 4 normally open
Pins 3/4	Relay 2 normally open	Relay 5 normally open
Pins 5/6	Relay 3 normally open	Relay 6 normally open

Only the normally open contacts are brought out to the connector. The normally closed contacts are available on terminal blocks inside the unit. A skilled technician can easily move the wires to bring out the normally closed contacts. To do this, unplug the unit, remove the rear panel, and slide off the cover.

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).

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

Specifications:

Power:	120 VAC 50/60 Hz 12 Watts (230 VAC optional)
Size:	6.5" wide, 1.7" high, 6.5" deep
Weight:	2.5 pounds
Contact ratings:	1 Amp
Isolation:	1000 volts DMX line to relay contacts 750 volts relay contact to relay contact
Color:	Black front, back, top, and sides. Clear iridite aluminum bottom chassis.

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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