

Single Channel DMX512 Controlled Relay Pack

model: DMX1REL20A-JBOX, DMX1REL20A-2POLE-JBOX

technical data sheet

Doug Fleenor Design makes a series of Relay Packs that are controlled by DMX512. This single channel unit is designed to switch up to a 20 amp line voltage load. It is built with a 30 amp relay for robust performance.

Doug Fleenor Design Relay Packs use dry contact air-gap relays. These relays have advantages and disadvantages over the solid state relays found in dimmer packs. Solid state relays can be switched on and off rapidly with no wear, but tend to leak current even when in the *off* position. Air-gap relays do not leak current, but due to their mechanical design have a finite life span. Doug Fleenor Design Relay Packs should be used where a true *off* condition is required (no voltage, no current). They should not be used in applications where they will be turned on and off rapidly (for example in chase lights). Ideal applications include fog machines, power to moving light fixtures, motorized disco effects, strobe lights, fans, etc.

SPECIFICATIONS: Input specifications meet or exceed DMX512 requirements.

Certification:	ETL Listed to the UL 508 standard.
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.
Power input:	100 to 240 Volts, 50/60 hertz, 4 watts (plus load).
Power output:	Input power is switched to output.
Output rating:	15 amps.
Output device:	Omron G8P. Mechanical life: 10,000,000 operations minimum. Electrical life: 250,000 operations minimum at 5 Amps. 125,000 operations minimum at 20 Amps.
Environmental:	0-40° C (32-104° F), 10-90% humidity, non-condensing. Indoor use only.
Color:	Gray.
Size and weight:	12"H x 4"D x 12"W, 8 pounds.

Doug Fleenor Design, Inc.

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DOUG FLEENOR DESIGN

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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