

DOUG FLEENOR DESIGN

Six Channel DMX512 Controlled Relay Pack

model: DMX6REL15A, DMX6REL30A

Description: The Six Channel DMX512 Controlled Relay Pack receives DMX512 and uses the levels to open or close dry contact relays. A relay is closed when its level exceeds 60%. The relay is opened when the level falls below 40%. The unit is wired such that when the relay is closed, the line voltage on the AC input is switched onto the AC output (only the *hot* side is switched). The DMX6REL15A, designed to switch line voltage loads up to 15 amps, uses 30 amp relays. Line voltage input is on an 18" 12/3 SJ pigtail fitted with a 15 amp parallel blade plug. Switched line outputs are on chassis mounted 15 amp parallel blade receptacles. The DMX6REL30A is the same as the DMX6REL15A, but uses two 18" 12/3 SJ line in pigtails, one for relays 1 through 3, one for relays 4 through 6. Custom options with different trip points, inverted action, momentary action, and DMX loss behavior can be configured in the field. Contact DFD for details. There are no user-serviceable parts inside the DMX6REL15A or DMX6REL30A. Refer servicing to qualified personnel.

Line Input: The line cord is fitted with a parallel blade grounded (PBG) plug. The unit is powered by 120 VAC, 50 or 60 Hz.

Line Output: The unit's outputs are on six parallel blade grounded receptacles; one per relay.

Certification: ETL Listed to the UL 508 standard.

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

DMX Thru: 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).

DMX Termination: No internal termination is provided. The last device on a DMX run should be terminated with a 120 ohm termination plug.

Starting Address: The starting address (the address that will control the first relay) is set using the three switches on the front panel. Set the number to the starting address. The second relay will be controlled by the address setting plus one, the third relay by the address setting plus two, etc.

Test Mode: Setting the address switch to 601 will close the first relay to allow testing the output without a DMX512 signal. Setting the address switch to 602 will close the second relay, etc. When in test mode the signal indicator will flash. 697 closes all relays if any DMX slot is above zero, 698 closes all relays when DMX is present, and 699 closes all relays.

Power Indicator: The red power indicator should illuminate whenever power is applied. If it fails to light, first check that the outlet is good.

Relay One Indicator: The green relay one indicator will illuminate when the first relay is closed, supplying power to the first output receptacle.

Signal Indicator: The green signal indicator will illuminate when a valid DMX signal is received. The indicator will flash when the unit is in test mode (Address switch set to 6XX).

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Specifications:

Certification: ETL Listed to the UL 508 standard

Power input: 120 VAC, 50/60 Hz, 2 Watts
(plus the connected load)

Output rating: DMX6REL15A: up to 15 amps per channel, 15 amps total connected load
DMX6REL30A: up to 15 amps per channel, 15 amps total connected load on relays 1-3, and up to 15 amps per channel, 15 amps total connected load on relays 4-6

Environmental: 0-40° C (32-104° F), 10-90% humidity, non-condensing

Size and weight: 1.7"H × 6.5"D × 16.5"W, 5 pounds (optional 19" rack adapter # RK16-1)

Color: Top, bottom and sides: Silver hammer tone
Front and back: Black

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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