

DOUG FLEENOR DESIGN

SINGLE CHANNEL DMX512 CONTROLLED RELAY

model: DMX1REL20A

Description: The Single Channel DMX512 Controlled Relay receives DMX512 and uses the dimmer level to open or close a dry contact relay. The relay is closed when the 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).

Line Input: The line cord is normally fitted with a 15A parallel blade with ground (PBG) plug. The unit may be powered by 120 volts, 50 or 60 Hz. If a different plug is required, remove the parallel blade connector and wire on the desired plug using the following color code: Green = Ground, Black = Hot, White = Neutral.

Line Output: The unit's output is normally fitted with a 15A parallel blade with ground (PBG) receptacle. If a different receptacle is required, remove the parallel blade connector and wire on the desired receptacle 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).

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 dimmer number that will control the relay) is set using the three switches on the front panel. Set the number to the starting address.

Test Mode: Setting the address switch to 601 will close the relay to allow testing the output device without a DMX512 signal. It is also a good way to verify that the DMX Controlled Relay unit is working. When in test mode the signal indicator will flash. Setting the address switch to 698 will cause the relay to close while any DMX signal is present. Setting the address switch to 697 will cause the relay to close while any DMX slot level is above 1%.

Power Indicator: The red PWR indicator should illuminate whenever power is applied.

Relay One Indicator: The green RLY 1 indicator will illuminate when the relay is closed, supplying power to the output connector.

Signal Indicator: The green SIG 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).

Doug Fleenor Design, Inc.

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Specifications:

Certification:	ETL Listed to the UL 508 standard
Power:	100 to 125 VAC 50/60Hz, 12 Watts
Size:	6.5" deep, 1.7" high, 6.5" wide
Weight:	2.7 pounds
Output rating:	15 Amps with standard connectors 20 Amps with optional connectors
Color:	Silver hammer tone

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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