

DOUG FLEENOR DESIGN

Single Channel sACN/ArtNet Controlled Relay Pack

model: E1REL20A
technical data sheet



The E1REL20A uses ArtNet and sACN (E1.31) Ethernet protocols for control of a relay. The relay can switch up to a 20 amp line voltage load and is built with a 30 amp relay for robust performance. The unit is provided with two 18" 12/3 SJ pigtails for line in and switched line out. Supplied

with 15 amp parallel blade connectors as standard, the unit may be wired with higher rating connectors by special order or may be rewired by the customer.

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, and removing power from fixtures that are not able to dim to zero.

SPECIFICATIONS:

Certification:	ETL Listed to the UL 508 standard.
Input signal:	E1.31 sACN and ArtNet
Input circuit:	100BASE-TX Fast Ethernet, Crossover Detection
Input connector:	Neutrik Ethercon
Power input:	100 to 132 Volts, 50/60 hertz, 4 watts (plus load)
Power input plug:	NEMA type 5-15P dead front plug standard, others optional
Power output:	Input power is switched to output (Hot leg only)
Power output socket:	NEMA type 5-15R dead front receptacle standard, others optional
Output rating:	15 amps with standard connectors, 20 amps with optional connectors
Output device:	Omron G8P Relay. Mechanical life: 10,000,000 operations minimum Electrical life: 250,000 operations minimum at 5 Amps 125,000 operations minimum at 20 Amps
Color:	Top, bottom, and sides: Silver hammertone 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)

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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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