

DOUG FLEENOR DESIGN

Two Pole sACN/ArtNet Controlled Relay Pack

model: E1REL20A-2POLE
technical data sheet



The E1REL20A-2POLE controls two output legs using a single channel of ArtNet or sACN (E1.31) Ethernet protocols. The relays can switch up to a 20 amp line voltage load and are built with a 30 amp relay for robust performance. The outputs is suitable

for 208VAC with two hot legs switched, or 240VAC with hot and neutral switched. The unit is provided with two 18" 12/3 SJ pigtails for line in and switched line out. Supplied with 20 amp twist lock connectors (L6-20) as standard, the unit may be wired with different 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, operating at 208VAC or 240VAC.

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:	208 to 240 Volts, 50/60 hertz, 6 watts (plus load)	
Power input plug:	NEMA type L6-20, others optional	
Power output:	Input power is switched to output (two legs)	
Power output socket:	NEMA type L6-20, others optional	
Output rating:	20 amps with L6-20 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)	

Doug Fleenor Design, Inc.

396 Corbett Canyon Road
Arroyo Grande, CA 93420
(805) 481-9599 voice and FAX
(888) 4-DMX512 toll free (888) 436-9512
web site: <http://www.dfd.com>
e-mail: info@dfd.com



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.

Doug Fleenor Design, Inc.

396 Corbett Canyon Road
Arroyo Grande, CA 93420
(805) 481-9599 voice and FAX
(888) 4-DMX512 toll free (888) 436-9512
web site: <http://www.dfd.com>
e-mail: info@dfd.com

