

## 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:

Input signal:	E1.31 sACN and ArtNet
Input circuit:	100BASE-TX Fast Ethernet, Crossover Detection
Input connector:	Neutrik Ethercon
Power input:	100 to 132Volts, 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 hammer tone. Front and back: Black.
Size and weight:	6.5" deep, 1.7" high, 6.5" wide, 2.7 pounds (19" rack adapter available).
Warranty:	Five years on defects in manufacturing. Output device is not covered.

### 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](mailto:info@dfd.com)