

8 channel Ethernet to analog interface

models: E8ANL-DIN, E8ANL-DIN-JBOX, E8ANL-DIN-JBOX-PS
technical data sheet



The **E8ANL-DIN** is an Ethernet (sACN or ArtNet) interface with 8 analog (0-10V) outputs (each with its own common terminal) and a DMX512 output. Configuration is via a built-in webserver. The standard Ethernet connector (8P8C aka RJ-45) accepts PoE (power over Ethernet) or the user may supply power (18 to 48 VDC) on a two-position terminal block. DMX512 and analog connections are on pluggable terminal blocks. The device mounts on standard 35mm “top hat” DIN rail. The E8ANL-DIN can be pre-mounted in a NEMA 1 electrical enclosure (model E8ANL-DIN-JBOX).

Each analog output is capable of sourcing or sinking up to 10mA. No user adjustments or modifications are needed to select sourcing or sinking modes. Each output channel has a dedicated common terminal to ease field wiring. Both the analog and DMX512 outputs are isolated from the input. The outputs are not isolated from each other.

Indicators are provided for POWER, SIGNAL, and MIMIC 1. The latter mimics the level of the first analog output. These are useful diagnostic indicators to verify addressing and operation.

SPECIFICATIONS:

Input circuit:	802.3 Ethernet compliant input (LAN8720).
Input signal:	ArtNet and sACN (E1.31) Ethernet protocols.
Isolation:	Ethernet/power input is isolated from the analog/DMX512 outputs. The outputs are not isolated from each other.
Input connector:	Ethernet RJ-45 with 802.3af PoE (Power over Ethernet) capabilities.
Power input:	802.3af PoE (Power over Ethernet), 18-48 VDC optional.
Output connectors:	Analog: two 8-position pluggable terminal blocks (each terminal block has four outputs and four commons). DMX512: one 3-position pluggable Phoenix terminal block.
Indicators:	Red POWER indicator. Green MIMIC 1 indicator mimics the intensity of output 1 (useful in troubleshooting). Green SIGNAL indicator illuminates when an input signal is present; flashes during testing.
Configuration:	Interface uses a built-in webserver after being discovered by DFD Node Discovery (available for download at http://www.dfd.com/NodeDisc.html).

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DOUG FLEENOR DESIGN

SPECIFICATIONS: (Continued)

Environmental:	0-40 °C (32-104 °F); 10-90% humidity, non-condensing.
Cooling:	Convection cooling, no fan required.
Mounting:	E8ANL-DIN: Black DIN mounting tray. E8ANL-DIN-JBOX: Gray NEMA1 electrical enclosure with knockouts on 2 surfaces. E8ANL-DIN-JBOX-PS: Gray NEMA1 electrical enclosure with knockouts on 2 surfaces.
Size and weight:	E8ANL-DIN: 5"H x 2.5"D x 3.5"W, 5.5 ounces. E8ANL-DIN-JBOX: 12"H x 4"D x 12"W, 9 pounds. E8ANL-DIN-JBOX-PS: 12"H x 4"D x 12"W, 10 pounds.

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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