# FLEXEDGE<sup>®</sup> 8 Analog Output Module



# FLEXEDGE<sup>®</sup> Intelligent Edge Automation Platform

The 8AO I/O module offers 8 analog outputs and is designed for use with DA70 controllers. The module provides eight isolated outputs that are independently programmable for output ranges of 0-5 VDC, 0-10 VDC, ±5 VDC, ±10 VDC, or 0/4-20 mA. Internal scaling is provided to accommodate virtually any application.

- High density analog output module for the DA70
- Available outputs include: 0 to 5 VDC, 0 to 10 VDC, ±5 VDC, ±10 VDC, and 0/4 to 20 mA DC
- Offers complete isolation; inputs, power, and communication
- On-device wiring diagram
- At-a-glance module status indicator
- Outputs are isolated from each other and from the backplane
- Outputs are software configured and fully scalable
- Individual channel LEDs for troubleshooting and testing





# **Ordering Guide**

Part Number	Description
DAM00I00UT8I0000	DA 8 Analog Output Module

### **Specifications**

#### **Power Requirements**

Power is supplied by the DA host device. Max Power: 4.6 W

#### LEDs

One status LED.

#### Memory

Non-volatile memory retains all programmable parameters. The Controller also stores the parameters in order to reprogram any modules that need updates.

### AO - Analog Outputs

Eight (8) independently configured analog outputs. Software programmable for 0-5 VDC, ±5 VDC, 0-10 VDC, ±10 VDC, 0-20 mA, 4-20 mA Effective Resolution: Full 16-bit (Signed)

Voltage: 500 µV

Current: 1 µA

Accuracy: 0.2% of full scale (-40 to 75 °C) 0-5 VDC, ±5 VDC, 0-10 VDC, ±10 VDC, 0-20 mA ranges: 0.2% of full scale

4-20 mA range: 0.25% of full scale

Isolation Level: The outputs are isolated from each other, and are isolated from the power supply. 500 Vrms @ 50/60 Hz for 1 minute between any of the outputs and the Host power supply input.

### Communications

Provided by the DA70 Controller

### Environmental

Operating Temperature Range: -40 to 75 °C T<sub>AMB</sub> Storage Temperature Range: -40 to +80 °C T<sub>AMB</sub> Operating and Storage Humidity: 0 to 95% max. RH noncondensing. Vibration to IEC 60068-2-6: Operational 5-500 Hz, 2 g

Shock to IEC 68-2-27: Operational 15 g

Altitude: Up to 2000 meters

Installation Category II, Pollution Degree 2 as defined in IEC/EN 60664-1.

### **Certification & Compliance**

CE Approved EN 61326-1 Immunity to Industrial Locations Emission CISPR 11 Class A IEC/EN 61010-1 RoHS Compliant ATEX Approved I 3 G Ex ec IIC T4 Gc DEMKO 20 ATEX 2268X IECEx Approved IECEx UL 20.0007X UKEX Approved UL22UKEX2576X UL Hazardous: File #E317425 Rugged IP30 enclosure ABS Type Approval for Shipboard Applications

#### Connections

Wire Strip Length: 0.3" (7.5 mm) Wire Gauge Capacity: 14 to 24 AWG (2.08 to 0.20 mm<sup>2</sup>) copper wire only

### Construction

Polycarbonate enclosure with IP30 rating. Weight: 10.2 oz (317.26 g)

### Mounting

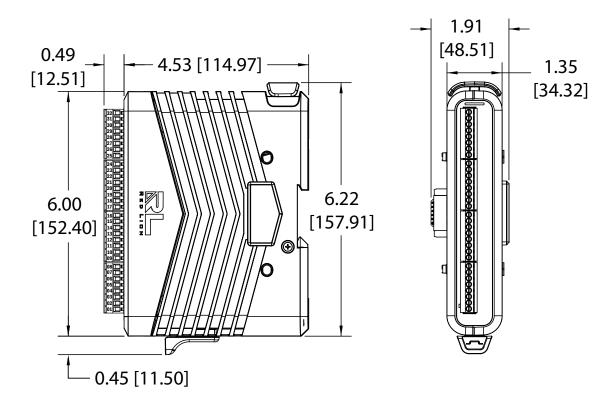
DIN Rail: Attaches to standard "T" profile DIN rail according to EN50022 - 35 x 7.5 and 35 x 15

#### Warranty

3 years on design and manufacturing defects.

Specifications are subject to change. Visit www.redlion.net for more information.

# **Dimensions** In inches [mm]





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