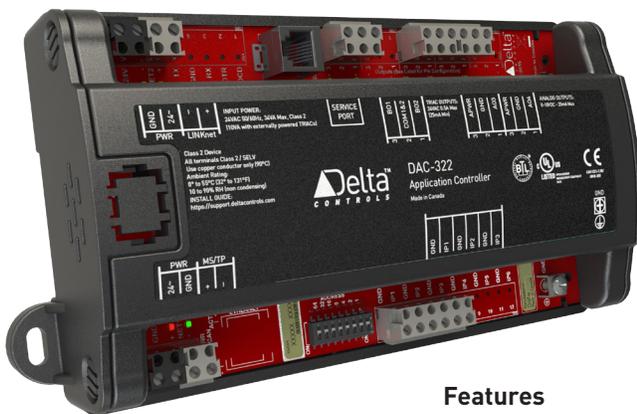


Application Controllers

DAC-322

Description

The DAC-322 is a fully programmable, Native BACnet® Advanced Application Controller that communicates on an RS-485 LAN using the BACnet MS/TP protocol. This controller is designed for a wide-range of applications that have small local I/O requirements. It also supports BACstat® and other Delta LINKnet devices.



Application

The DAC-322 is suitable for controlling various packaged units and equipment with small I/O requirements such as Fan Coil units, Unit Ventilators and Heat Pumps.

The fully programmable DAC-322 can be tailored to specific applications by creating and modifying BACnet objects and GCL+ programs.

Features

- ▶ Fully programmable in GCL+
- ▶ Supports 4 BACstat network sensors on LINKnet for room sensing and control or 2 Delta Field Modules on LINKnet for I/O expansion
- ▶ Actuator power terminal (24 VAC) for each analog output (can be powered internally or from an auxiliary transformer)
- ▶ Firmware upgrade and database load/save over the network
- ▶ Supports Modbus capability via flash loading in the field
- ▶ Service port
- ▶ Screw or DIN rail mountable
- ▶ LED indicator for each output, power, CPU and SCAN status

Specifications

BACnet Device Profile

BACnet Advanced Application Controller (B-AAC)

Inputs

3 Universal Inputs (10-bit), supporting:
0-5 VDC
0-10 VDC
10 kΩ Thermistor
Dry Contact (using 10 kΩ Thermistor jumper setting)
4-20 mA

Outputs

2 Binary TRIAC Outputs (jumper configured for internal or external power)

2 Analog outputs (0-10 VDC), software configurable as binary or analog

Device Addressing

Set via DIP switches or software setup

Connectors

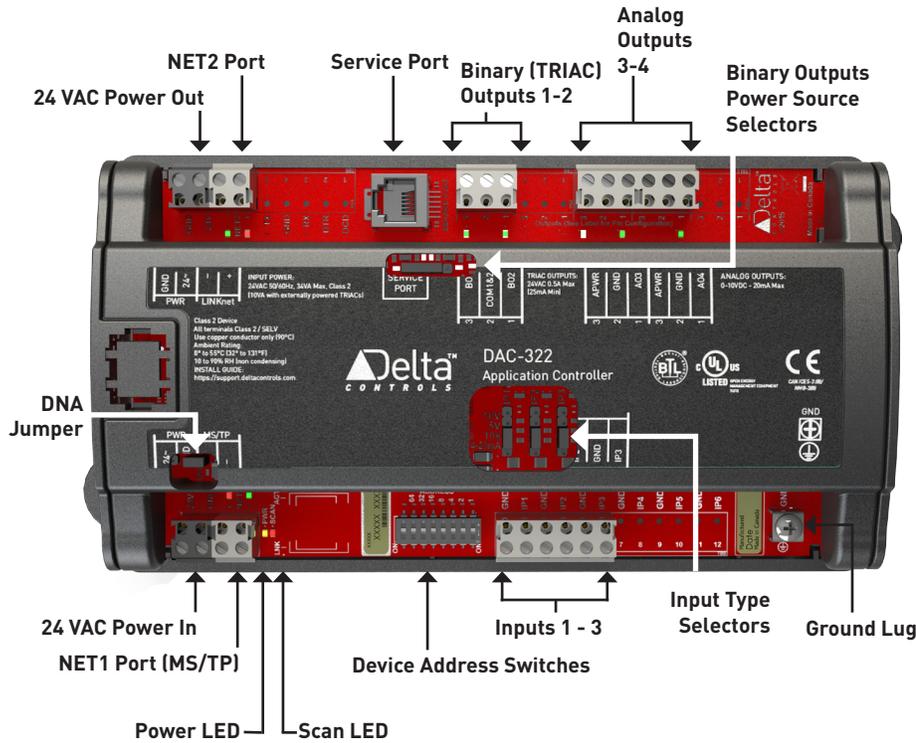
Removable screw-type terminal connectors

Wiring Class

Class 2 / SELV

Application Controllers

DAC-322: Board Layout Diagram



Specifications (Continued)

Power

24 VAC 50/60 Hz @ 10VA, 34 VA max with fully-loaded Binary Outputs

Technology

16-bit processor
1 MB Flash memory
127 KB SRAM memory for database

Communications Ports

Main LAN (NET1)
BACnet MS/TP @ 9600, 19200, 38400 or 76800 bps (default), max of 99 devices per BACnet MS/TP network

SubLAN (NET2)

Delta LINKnet @ 76800 bps, max 4 devices on LINKnet, with no more than 2 DFM devices

Ambient

32° to 131°F [0° to 55°C]
10 to 90% RH (non-condensing)

Dimensions

7³/₈ x 4 x 1¹/₈ in. (19.2 x 10.2 x 4.8 cm) with housing

Weight

0.551 lb. (250 g) with housing

Compliance

CE
FCC

Listings

C-UL Listed
UL 916 Listed
BTL Listed

Ordering

Order the DAC-322 according to the following product number:

DAC-322	Delta Application Controller 3 universal inputs, 2 binary outputs, 2 analog outputs
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Accessories

DZNR-768	Delta Network Repeater for BACnet MS/TP
TRM-768	Delta Network Terminator for BACnet MS/TP
CON-768BT	Bluetooth wireless service tool

BACstat is a registered trademark of Delta Controls Inc.
BACnet is a registered trademark of the American Society of Heating, Refrigerating and Air Conditioning Engineers Inc.

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Subject to change without notice.