**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
7⅝ x 4 x 1⅞ 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

Accessories

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DZNR-768</td>
<td>Delta Network Repeater for BACnet MS/TP</td>
</tr>
<tr>
<td>TRM-768</td>
<td>Delta Network Terminator for BACnet MS/TP</td>
</tr>
<tr>
<td>CON-768BT</td>
<td>Bluetooth wireless service tool</td>
</tr>
</tbody>
</table>

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.

Updated February 2016

Subject to change without notice.