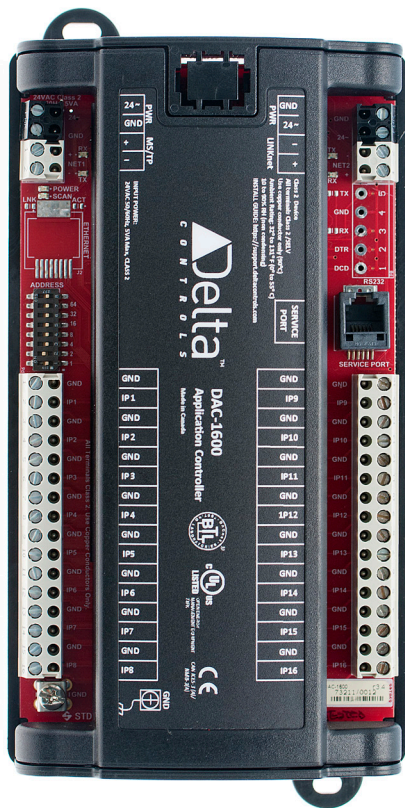


Application Controller

DAC-1600

Description

The DAC-1600 is a fully programmable, Native BACnet® Advanced Application Controller that communicates on an RS-485 LAN using the BACnet MS/TP protocol. The DAC-1600 is designed for monitoring, trending and alarming remote inputs. The DAC-1600 supports up to four Delta LINKnet devices.



Application

The DAC-1600, with its 16 inputs, is suitable for monitoring the status of a wide variety of equipment and sensors. The controller board is capable of interfacing to 4-20 mA, 10kΩ, 5V, 10V and dry contact inputs.

Because of its programming capability, the DAC-1600 can be used to create or modify GCL+ programs and BACnet objects for specific applications.

Features

- ▶ Native BACnet firmware
- ▶ BACnet MS/TP communications
- ▶ Supports 4 BACstat® network sensors on LINKnet for room sensing and control or 2 Delta Field Modules on LINKnet for I/O expansion
- ▶ Easy to mount housing using 2-screws or DIN rail.
- ▶ Fully programmable in GCL+
- ▶ Application database can be loaded over the network
- ▶ Controller firmware can be flash loaded over the network
- ▶ Supports Modbus® capability via flash loading in the field
- ▶ Derived Network Addressing (DNA) for simple integration into a standard network architecture
- ▶ Service port

Specifications

BACnet Device Profile

BACnet Advanced Application Controller (B-AAC)

Inputs

16 Universal inputs - 10 bit (supporting 0-5v, 0-10V, 10kΩ, 4-20mA)

Outputs

None

Technology

1MB Flash memory
127KB SRAM memory for database
LED indication of CPU and SCAN status

Device Addressing

Set via DIP switch and jumpers, or software setup

Communications Ports

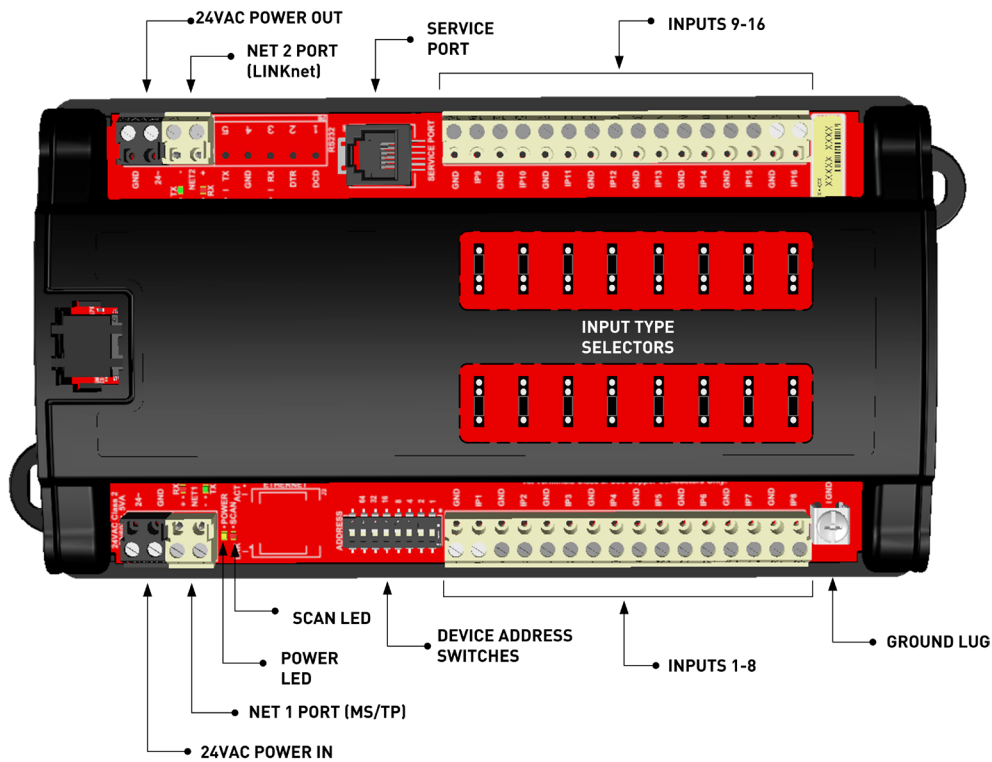
Main LAN (NET1)
BACnet MS/TP @ 9600, 19200, 38400 or 76800 bps (default) (maximum of 99 devices per BACnet MS/TP segment)

SubLAN (NET2)

Delta LINKnet @ 76800 bps (maximum 4 devices on LINKnet, with no more than 2 DFM devices)

Application Controller

DAC-1600: Board Layout Diagram



Specifications (Continued)

Connectors

Removable screw-type terminal connectors

Wiring Class

Class 2

Power

5 VA
24VAC, with LED status

Ambient

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

Dimensions

8¹/₂ x 4¹/₄ x 1¹⁵/₁₆ in. (21.8 x 10.7 x 4.9 cm)
with housing
0.80 lb. (360g) with housing

Compliance

CE
FCC

Listings

C-UL
UL 916
BTL

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

Updated September 2013

Ordering

Order the DAC-1600 according to the following product numbers:

DAC-1600	16 inputs application controller
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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	Delta Bluetooth Service Tool

Subject to change without notice.