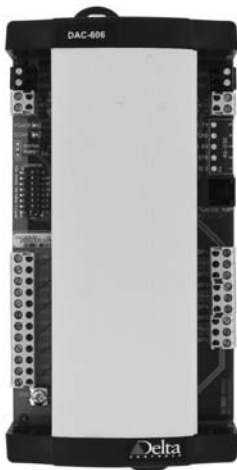


Application Controllers

DAC-606

Description

The DAC-606 is a fully programmable, Native BACnet™ Advanced Application Controller that communicates on an RS-485 LAN using the BACnet MS/TP protocol. The DAC-606 is designed for a wide-range of applications that have small local I/O requirements. It also supports BACstats and other Delta LINKnet devices.



Application

The DAC-606 is suitable for controlling various packaged units and equipment with small I/O requirements such as Fan Coil units, Unit Ventilators, Heat Pumps, and small Boilers or Chillers.

The fully programmable DAC-606 can be tailored to specific applications by creating and modifying BACnet objects and GCL+ programs.

Features

- Native BACnet firmware
- BACnet MS/TP communications
- Supports 6 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
- Fully programmable in GCL+
- Application database can be flash loaded over the network
- Controller firmware can be flash loaded over the network
- Supports Modbus capability via flash loading in the field
- Supports flash loading Modbus upgrades via hardware key
- 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

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

Outputs

6 Binary triac outputs

Jumper selection for internal or external power on binary outputs

LED status indication of each output

Technology

32-bit processor

1 MB (8 megabit) Flash memory

127 KB SRAM memory for database

LED indication of CPU and SCAN status

Device Addressing

Set via DIP switch and jumpers, or software setup

Communications Ports

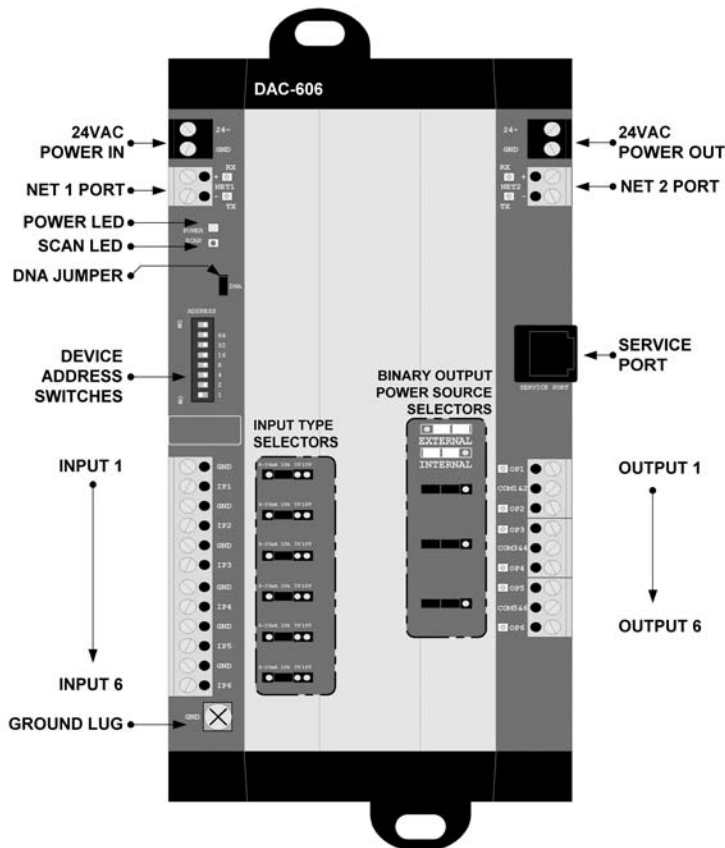
Main LAN (NET1)
BACnet MS/TP @ 9600, 19200, 38400 or 76800 bps(default) (maximum of 99 devices per BACnet MS/TP segment)

SubLAN (NET2)
Delta LINKnet @ 76800 bps (maximum 6 devices on LINKnet, with no more than 2 DFM devices)

Document Edition 3.0 January 2007

Application Controllers

DAC-606: Board Layout Diagram



Specifications (Continued)

Connectors

Removable screw-type terminal connectors

Wiring Class

Class 2

Power

24 VAC only

8VA, 80VA with BOs fully-loaded

Ambient

32° to 131°F (0° to 55°C)

10 - 90% RH (non-condensing)

Dimensions

8 5/8 x 4 x 1 7/8 in. (21.9 x 10.2 x 4.8 cm) with housing

0.80 lb. (360 g) with housing

Compliance

CE

FCC

Listings

C-UL Listed

UL 916 Listed

BTL Listed

UL 864 Listed (DAC-606-UL864 only)

Accessories

RPT-768—Delta Network Repeater for BACnet MS/TP

TRM-768—Delta Network Terminator for BACnet MS/TP

CON-768—Delta Network Converter

Ordering

Order the DAC-606 with the desired options according to the following product number:

DAC-606—6 Inputs, 6 BO's

DAC-606-V2—6 Inputs, 6 BO's (V2* Firmware)

DAC-606-UL864—6 Inputs, 6 BO's, UL 864 Listed

*Note: Not all features described in this document are available when this option is selected.