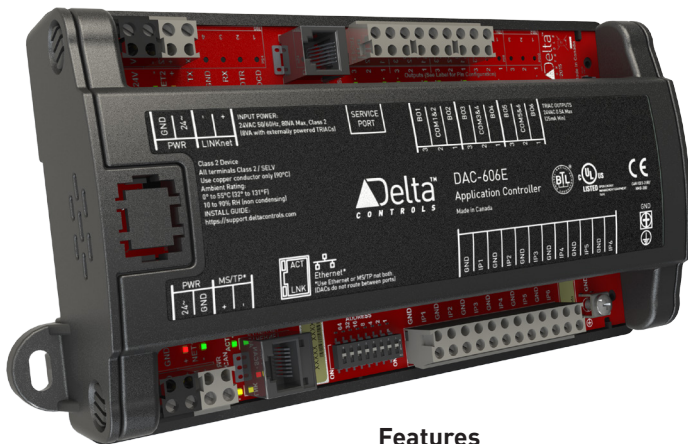


# Application Controllers

## DAC-606 / DAC-606E

### Description

The DAC-606 is a fully programmable, Native BACnet® Advanced Application Controller that either communicates on Twisted-Pair Ethernet 10-BaseT using BACnet IP and BACnet over Ethernet (DAC-606E) or an RS-485 LAN using the BACnet MS/TP protocol (DAC-606). It is designed for a wide-range of applications that have small local I/O requirements. It also supports BACstat® network sensors 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
- ▶ Fully programmable in GCL+
- ▶ Maintenance free super capacitor for real-time clock and SRAM backup on DAC-606E
- ▶ Supports 6 BACstat network sensors on LINKnet for room sensing and control or 2 Delta Field Modules on LINKnet for I/O expansion
- ▶ 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

6 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

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

#### Device Addressing

Software addressed

#### Connectors

Removable screw-type terminal connectors

#### Wiring Class

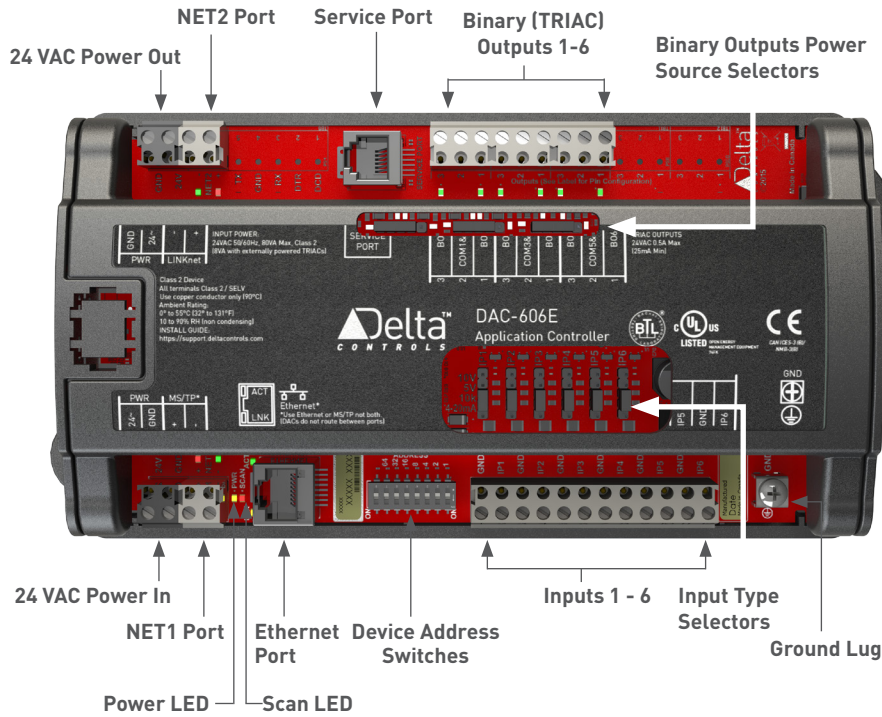
Class 2 /SELV

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 February 2016

# Application Controllers

## DAC-606E: Board Layout Diagram



### Ordering

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

DAC-606	Delta Application Controller 6 inputs, 6 BOs
DAC-606E	6 inputs, 6 BO's, Ethernet
DAC-606-UL864-340	6 inputs, 6BO's, UL 864 Listed

### 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

\* UL 864 versions available

### Specifications (Continued)

#### Power

24 VAC 50/60 Hz @ 8 VA, 80 VA with fully-loaded TRIAC Outputs

#### Technology

(non-Ethernet version)  
 16-bit processor  
 1 MB Flash memory  
 127 KB SRAM memory for database

(Ethernet version)

16-bit processor  
 2 MB Flash memory  
 319 KB SRAM memory for database  
 Super Capacitor for 72-hour backup of real-time clock and SRAM

#### Communications Ports

Twisted-Pair Ethernet  
 (10-BaseT) @ 10 MB, BACnet IP, BACnet over Ethernet

#### 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 6 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

8½ x 4¼ x 1½ in. (21.8 x 10.7 x 4.9 cm) with housing

#### Weight

0.80 lb. (360 g) with housing

#### Compliance

CE  
 FCC

#### Listings

C-UL Listed  
 BTL Listed  
 UL 916 Listed  
 UL 864 Listed for UL 864 product numbers

Subject to change without notice.