

North America

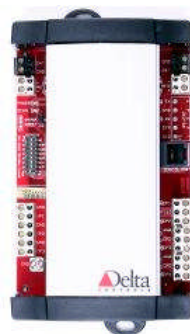
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GENERAL PURPOSE PROGRAMMABLE I/O CONTROLLERS (././GENERAL-PURPOSE-
PROGRAMMABLE-IO-CONTROLLERS)
>
MS/TP APPLICATION CONTROLLERS (DAC) (./MS-TP-APPLICATION-CONTROLLERS-
DAC)
>
DAC-322

DAC-322

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 BACstats and other Delta LINKnet devices.

[Overview](#)[Specification](#)

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

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

Actuator power terminal (24VAC) for each analog output

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

BACnet Device Profile

BACnet Advanced Application Controller (B-AAC)

Inputs - External

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

Outputs - External

Related Products

[DAC-304 \(/products/hvac/general-
purpose-programmable-io-
controllers/ms-tp-application-
controllers-dac/dac-304\)](#)[DAC-606 \(/products/hvac/general-
purpose-programmable-io-
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controllers-dac/dac-606\)](#)[DAC-633 \(/products/hvac/general-
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controllers/ms-tp-application-
controllers-dac/dac-1600\)](#)[DAC-R1108 / DAC-R1180 / DAC-
R1136 \(/products/hvac/general-
purpose-programmable-io-
controllers/ms-tp-application-
controllers-dac/dac-r1108-dac-r1180-
dac-r1136\)](#)

2 Binary triac outputs

2 Analog outputs (0-10V)

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 4 devices on LINKnet, with no more than 2 DFM devices)

Connectors

Removable screw-type terminal connectors

Wiring Class

Class 2

Power

24 VAC

10VA, 34VA maximum with fully loaded BO's

Ambient

32° to 131°F (0° to 55°C)

10 - 90% RH (non-condensing)

Dimensions

7 5/8 x 4 x 1 7/8 (19.2 x 10.2 x 4.8 cm) with housing

0.551 lb. (250 g) with housing

Compliance

CE

FCC

Listings

C-UL Listed

UL 916 Listed

BTL Listed

Tags:

Categories:

MS/TP Application Controllers (DAC)