



Change'Air™
PRODUCTS AND SERVICES LTD.

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Change'Air
Control Systems

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Ready for the open
systems challenge

(BAC-5801/5802)



Native BACnet Advanced Application Controller

An 8-input, 8-output controller for
general purpose HVAC and building
automation applications



BAC-5801/5802 AAC Native BACnet Controller

The BAC-5801 and BAC-5802 are MS/TP compliant, native BACnet advanced application controllers (AAC).

These fully programmable direct digital controllers feature 8 universal inputs and 8 universal outputs, each of which is programmable as an analog or binary object.

Use these versatile controllers in standalone applications or networked to other BACnet devices. The BAC-5801 and BAC-5802 enable control of room temperature, humidity, fans, lighting, and other building automation functions.

For enhanced flexibility, you can add up to 8 output override cards featuring triac, relay, and analog options.

The intuitive and robust design of these controllers makes them ideal components in any BACnet installation. When you add the flexibility of our BACnet operator workstation software and other advanced application controllers, you will have an automation system that is truly ready for the open systems challenge.



SPECIFICATIONS

Inputs

8 universal, programmable inputs
Pull-up resistors for switch contacts and other unpowered equipment
Removable screw terminal block
0-5 VDC analog input range
10-bit analog-to-digital conversion
Overvoltage input protection
Pulse counting to 16 Hz

Outputs

8 universal, programmable outputs
0-10 VDC for analog objects; 0-12 VDC for binary objects
Standard and custom units of measure
Output current limited to 100 mA per output or 350 mA total (outputs are short protected)

Programmable Features

10 Control Basic program areas
8 PID loop objects
40 analog and 40 binary value objects
Real-time clock with power backup for up to 72 hours (BAC-5801 only)
8 Schedule objects
3 Calendar objects
8 Trend objects
(See PIC statement for supported objects)

Communications

MS/TP (EIA-485) operating at 9.6, 19.2, 38.4, or 76.8 kbps
NetSensor® compatible

building your comfort zone™