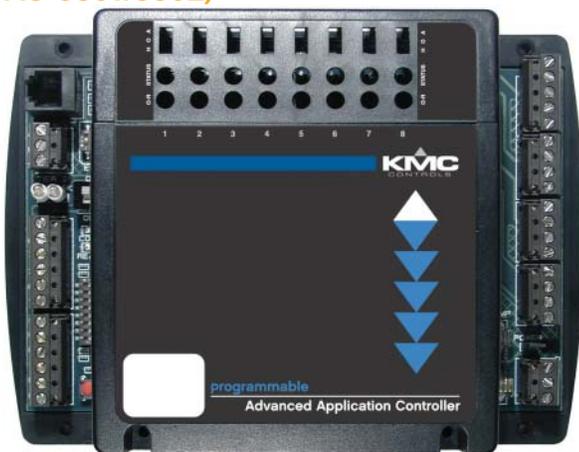# Ready for the open systems challenge

(BAC-5801/5802)

Native BACnet Advanced Application Controller

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

KMC CONTROLS

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 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.

BMA™
BACnet
Manufacturers
Association

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
- 32 analog and 32 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™

KMC CONTROLS