Ready for the open systems challenge





## Native BACnet Advanced Application Controller—AHU

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A 4-input, 4-output controller for air handling unit applications



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## BAC-7301/7301C AAC **Native BACnet Controller**

Specifically designed for small air handling units, the BAC-7301 and BAC-7301C are MS/TP compliant, native **BACnet** advanced application controllers (AAC).

They are supplied with programming sequences appropriate to the AHU designation. Yet, the controllers are also fully programmable.

These native BACnet controllers are distinguished by 4 universal inputs and 3 universal outputs, each of which can be programmed as an analog or binary object. An additional optically isolated triac output is also programmable.

Built-in programming includes:

- □ Air handler operation based on occupancy, night setback, and proportional hot and chilled water valve control
- Economizer operation

These controllers were designed for easy installation, simple configuration, and robust operation. KMC also offers intuitive BACnet software and other versatile advanced application controllers.



## building your comfort zone<sup>™</sup>

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## SPECIFICATIONS

Inputs 4 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 3 universal, programmable outputs 1 triac out, optically isolated 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 (outputs are short protected) 10 Control Basic program areas 4 PID loop objects 40 analog and 40 binary value objects 8 Schedule objects 3 Calendar objects 8 Trend objects Real-time clock with power backup for up to 72 hours (BAC-7301C only) (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

Outputs

- □ Freeze protection

**Programmable Features**