Ready for the open systems challenge

(BAC-5831)

Native BACnet Advanced Application Controller

A 16–input, 12–output controller for general purpose HVAC and building automation applications

KMC CONTROLS

BAC-5831 AAC

Native BACnet Controller

Versatility in terms of use becomes critical on open systems projects. The BAC-5831 was designed to meet such needs. It is an MS/TP compliant, native BACnet advanced application controller (AAC).

This fully programmable direct digital controller features 16 universal inputs and 12 universal outputs, each of which is programmable as an analog or binary object.

Use this versatile controller in standalone applications or networked to other BACnet devices. The BAC-5831 enables control of room temperature, humidity, fans, lighting, and other building automation functions.

For added flexibility, you can add up to 12 output override cards featuring triac, relay, and analog options.

This robust controller can enhance the versatility of any BACnet installation.

Add our BACnet operator workstation software and other native BACnet advanced application controllers to meet the challenges of your next open systems project.

BMA™ BACnet Manufacturers Association

FFP Fully Field Programmable

SPECIFICATIONS

Inputs	
	16 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	
	12 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
	12 PID loop objects
	32 analog and 32 binary value objects
	Real-time clock with power backup for up to 72 hours
	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 kbits
	NetSensor® compatible

building your comfort zone™

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