

Ready for the open
systems challenge

(BAC-7401/7401C)



Native BACnet AAC— Heat Pump

A 4-input, 4-output advanced
application controller for heat
pump unit applications



BAC-7401/7401C AAC

Native BACnet Controller

Specifically designed for heat pump units, the BAC-7401 and BAC-7401C are MS/TP compliant, native BACnet advanced application controllers (AAC).

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

These native BACnet controllers are distinguished by 4 universal inputs (each of which can be programmed as an analog or binary object). Four triac outputs enhance controller flexibility for this application.

The built-in programming includes

- ☐ Fan
- ☐ Heat pump compressor
- ☐ Reversing valve
- ☐ Auxiliary heating

The BAC-7401 and BAC-7401C controllers were designed for ease-of-installation, simple configuration, and robust operation. KMC also offers intuitive BACnet software and other versatile advanced application controllers.



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

Outputs

4 triacs
Zero crossing, optically isolated
30 VAC, 1A max.
Removable screw terminal block

Programmable Features

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-7401C 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

building your comfort zone™