

Micro800™

2080sc-BAC

BACnet Communications Plug-In Module



The 2080sc-BAC Communications Module is a two-channel communications plug-in module for use with Rockwell Automation Micro800™ systems as a slave node on a BACnet Network. You may use the module in a wide range of applications such as heating, ventilation, lighting control, access control, and fire detection systems. The module is able to communicate over BACnet serial and Ethernet building automation networks.

Key Features

- Five standard BACnet objects supported.
- Compatible with Allen-Bradley Micro800 controllers.
- Reduce system cost.
- Improve energy efficiency.
- Automate lighting control.
- Control your HVAC system.

2080sc-BAC Specifications

	1 serial channel, 1 Ethernet
	Analog Input/Analog Output/Binary Input/Binary Output/Identity Object
	One BACnet-compliant serial or Ethernet interface
Resolution	16 bits
	MS/TP and BACnet/IP
Serial Interface	RS-485 by default (or RS-232) configurable during setup
Communication Formats	Conforms to ASHRAE and ISO 16484-1 defined BACnet AAC standard communication protocol, compatible with BACnet system
Hardware Flow Control	None
Baud Rates	1200, 2400, 4800, 9600, 19.2 k, 38.4 k, 76.8 k
Interface, Channel 2	10/100 M Ethernet, auto sensing
Crosstalk	-40 dB, minimum
Input Protection	24 VDC, continuous
Power, RTC Backup	72 hours, minimum
Accuracy, RTC Backup	+1.0, -3.0 minutes/month
Power Consumption	40 mA at 3.3 V; < 50 mA at 24 V; <0.85 Watts total
Inrush Current	<500 mA at 3.3 V; <500 mA at 24 V
Fusing	2.7 ohms 1/10 W resistor, 24 VDC input 0.470 ohm 1/10 W resistor, 3.3 VDC input
Input to Backplane Isolation	500 VAC (707 VDC) for 1 minute
Channel-to-Channel Isolation	None
Fault Detection	None
Wire Size	#22 to #30 AWG (for the terminal block connector)
Environmental Conditions	
Operational Temperature	-20 °C to +65 °C (-4 °F - 149 °F)
Storage Temperature	-40 °C to +85 °C (-40 °F - 185 °F)
Relative Humidity	5% to 95% (non-condensing)
Certifications	Safety: cULus Listed: UL508 and CSA C22.2 No. 142-M1987, E140954 Hazardous Locations: cULus Listed: Industrial Control Equipment for Use in Class I, Division 2 ANSI/ISA 12.12.01-2015 and CSA C22.2 No. 213-15, E180101
Manufacturing	RoHS and REACH compliant