



MOD9200BNT

Spread Spectrum BACnet™ MSTP Network Transceiver

The BACnet™ network transceiver utilizes reliable Spread Spectrum Mesh Network Radio technology. Together with other wireless sensors and controls, the system can be used to transmit remote sensor readings, status/alarm indications, control signals and outputs wirelessly. It is compatible with any control panels or Automation Systems that utilize BACnet™ MSTP (Master Slave Token Passing) communication protocol or interface. Up to 50 separate physical wireless sensor transmitters and/or wireless remote output (analog & digital) modules can be used with one MOD9200BNT Transceiver and up to 100 universal data points and 100 outputs can be monitored and controlled with a single MOD9200BNT Transceiver. The maximum radio transmission distance is dependent on building type. In a typical commercial building with steel I-beam construction, concrete floors with reinforcing rods, and metal stud walls, it can be expected that transmissions will safely penetrate one floor above and below the location of the transceiver and horizontally through 200 to 500 feet of walls, furniture and air.

The MOD9200BNT is covered by ACI's Two (2) Year Limited Warranty, which is located in the front of ACI's Sensors & Transmitters catalog or can be found on ACI's web site, which is: www.workaci.com.





SPECIFICATIONS

Input Power	24 VAC 60 Hz 500 mA (nominal)
Transceiver Inputs (Universal)	100 Analog or Digital Inputs (maximum) (Maximum of 50 sensors/modules per transceiver)
Transceiver Outputs	100 points total (50 Digital and 50 Analog points per transceiver)
Communication Protocols	Protocol: BACnet™ MSTP Physical Layer: RS485, Twisted pair with shield
Operating Temperature Range	32 to 122°F (0 to 50°C)
Operating Humidity Range	5 to 90% RH, non-condensing
RF Characteristics	Operating Frequency: 902-928 MHz Transmitter Power: 11 dBm Receiver Sensitivity: -110 dBm
Open Field Range	One mile (line of sight)
Product Dimensions	(L) 7.62" (W) 4.62" (H) 2.25"

ORDERING

Please select one Wireless Device (A).

A Wireless Device

- MOD9200BNT** (BACnet™ MSTP Network Transceiver)

BUILD PART NUMBER

After completing (A) from the above table, fill in the Part Number Table below. An example part number is offered.

A

EXAMPLE: MOD9200BNT

Refer to the configuration setup instruction manual for configuration of the MOD9200BNT registers and BACnet™ input variables setup.

A PC and a 10/100 Base T Ethernet Crossover Cable are required for the setup of the Transceiver. Choose a location close to the BACnet™ network connection and away from the ground. For best results, the transceiver should be mounted in an open area rather than a mechanical room.

Mount the gateway on the wall using four #8 screws.

24 VAC Input: Connect 24 VAC 60 Hz to the input terminals using 20 AWG wire.

MSTP (RS485): Use 20 or 22 gauge shielded twisted pair wire to connect the Transceiver (Terminals A+ & B-) to the MSTP network.

Configuration software included.

ACI can program the system for a nominal fee. Please contact ACI for details.