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ISO 9001: 2008

International
Standards
Certifications
QAC/R64/0012

Product Overview:

The **BACnet Gateway** facilitates communication between a Pertronic F120 fire alarm panel and a Building Management System (BMS). The gateway monitors data broadcast by the fire alarm panel and reports specific items to the BMS using the BACnet protocol.

Options in the configuration software allow the gateway to be configured to create BACnet objects representing a wide range of data items from the fire alarm panel.

The gateway system consists of a Contemporary Controls BASGatewayLX Gateway Module connected to a Pertronic Industries GPIB-M Modbus Interface. The system is normally installed inside the fire alarm cabinet. It connects to the BMS physical network via an Ethernet port.



BASGatewayLX Gateway Module

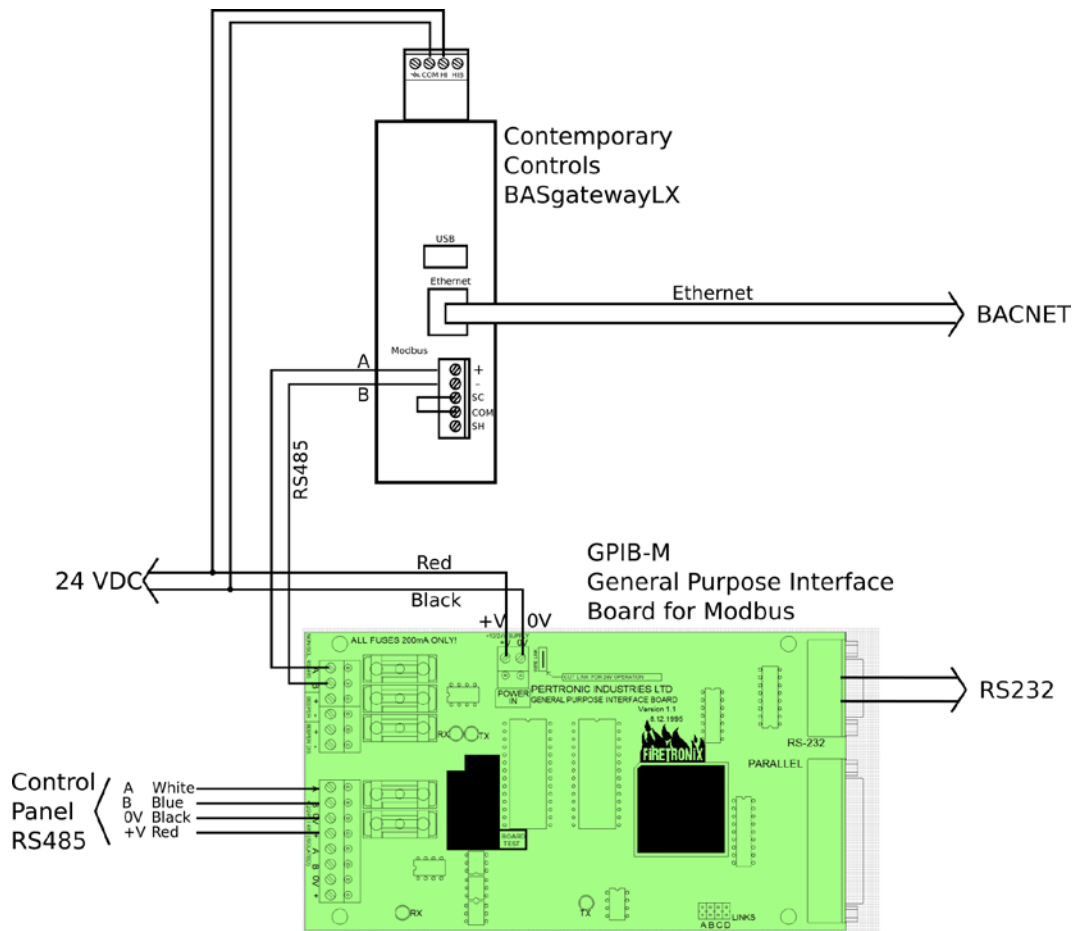
Features:

- ▶ BACnet interface between Pertronic F120A fire alarm system and building management system.
- ▶ 10/100 Mbps Ethernet with auto-negotiation and Auto-MDIX.
- ▶ Configurable to create BACnet objects representing various panel states such as:
 - ▶ Fire zone 'Alarm' and 'Isolate' states.
 - ▶ Fire alarm system global status information including 'Sprinkler', 'Evacuate', along with fault and communication system status.
 - ▶ Fire alarm system software entities such as 'Brigade', 'Smoke Alarm', 'Call Point Alarm', as specified in the panel configuration. (The F120A panel can be configured to broadcast data items selected from a large number of entities. Refer to the F120 panel and BASGLX-M1 documentation for details.)
- ▶ RS232 port for configuring GPIB Modbus module.
- ▶ Optically isolated RS485 port for connection to fire alarm panel.

Specifications:

▶ Dimensions		
▶ CCS BACnet Gateway	41 x 131 x 100 mm	W x H x D mm
▶ GPIB Board	182 x 97 x 20 mm	W x H x D mm
▶ DC Current	280mA @ 24Vdc	
▶ Communications	Ethernet, RS232	
▶ Ethernet Port		
▶ Compliance	IEEE 802.3	
▶ Protocol	BACnet/IP, Modbus TCP	
▶ Data Rate	10 Mbps, 100 Mbps	
▶ Physical Layer	10BASE-T, 100BASE-TX	
▶ Maximum Cable Length	100 m	
▶ Wiring/Connection		
▶ Ethernet Port	Shielded RJ-45	
▶ Power In	12 to 18 AWG	

Wiring Diagram:



Ordering Information:

Part Number	Description
GPIB-MF120	GP I/F Board for Modbus/Honeywell for F120
BASGLX-M1	BASgatewayLX Modbus to BACnet Gateway (Requires a Modbus GPIB)

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