UPC

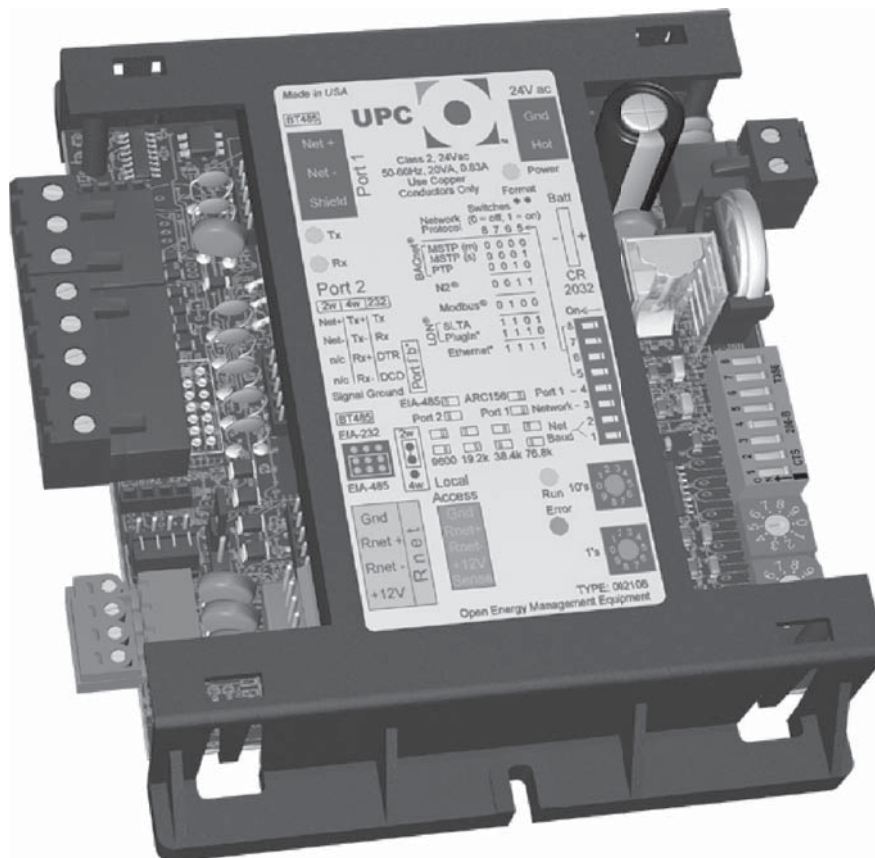## Unitary Protocol Converter

The UPC (Unitary Protocol Converter) sets a new standard for single equipment protocol conversion. It can convert between an open or proprietary protocol to BACnet to allow for integration with an i-Vu™ System. One of the UPC's unique features is the ability to select the open protocol you want to use with the simple flip of a dip switch. Choose from BACnet, Modbus, N2, or LonWorks. All of this is offered at a price that won't break the bank.

Key Features and Benefits

- Built-in protocol support: BACnet® (ARCNET, MS/TP, and PTP), Modbus (RTU and ASCII), N2, and LonWorks.

- Dip switch configuration and selection of the built-in protocols.

- Custom programmable using our powerful Eikon® graphic programming tool. Eikon allows you to create graphic logic sequences for your application, which can be fully simulated off-line (with Eikon's simulation tool).

- Local laptop computer access port provided.

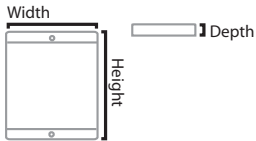- Supports direct modem access for remote diagnostics and configuration.

UPC

Specifications

UPC Features

Power	24VAC ± 15% (20.4VAC to 27.6VAC), 50 to 60Hz, 10VA power consumption (single Class 2 source only, 20VA or less).
Physical	Rugged GE C2950 Cycoloy plastic.
Environmental Operating Range	-22° to 150°F (-30° to 65.5°C); 10 to 95% relative humidity, non-condensing.
Standard Communication Ports	Port 1: ARCNET156 or EIA-485 communication. In ARCNET156 mode, the port speaks BACnet ARC156. In EIA-485 mode, the communication protocol and baud rate desired are DIP switch selectable between BACnet MS/TP, Modbus (RTU or ASCII), or N2. Port 2: Jumper configurable for EIA-485 mode or EIA-232. Supports communications protocols BACnet (MS/TP or PTP), Modbus (RTU or ASCII), N2, or LonWorks (through an SLTA). Rnet: Local laptop access port.
Optional Plug-Ins	LonWorks or Ethernet for local or Internet access to the controller using BACnet/IP and/or to access a custom web page served up by the UPC (using a standard Internet browser package, such as Internet Explorer).
Status Indicators	Visual (LED) status of power, network communication, running, and errors.
Protection	Built-in surge and transient protection circuitry - internal solid state Polyswitches on the incoming power and network connections.
Listed by	FCC, UL, cUL, and CE listed.
Weight	9 oz (255 g)

Dimensions

Overall
Width: 4" (102mm)
Height: 5" (127mm)
Depth: 1-3/4" (45mm) min. panel depth, add 3/4" (19mm) for the option card.

Mounting
Width: 2"(51mm)
Height: 4-13/16" (122mm)

Carrier

Catalog No. 11-808-361-01 08/05