

Serial-toEthernet Protocol Converter

U013-0012 & U013-0013



U013-0012



U013-0013

Easy Translation of Protocols to Integrate into a Network

FEATURES

- U013-0012 enables control of Modbus RTU meters & sensors over Ethernet networks via Modbus TCP
- U013-0013 enables control of BACnet MS/TP meters & sensors over Ethernet networks via BACnet IP
- Connect multiple devices to one network drop
- Simple to set up...requires no product-specific configuration
- DIN-rail mount...easy installation

DESCRIPTION

U013-0012 Modbus Gateway provides access to all Veris Modbus RTU products over a network using Modbus TCP protocol.

U013-0013 BACnet router provides access to all Veris BACnet MS/TP products over a network using BACnet IP protocol.

Integral web browsers enable quick and simple setup of network configuration and serial communication parameters. Both products provide easy translation of serial protocols to the corresponding network protocol without requiring any device-specific translation.

APPLICATIONS

- Energy management systems
- Building automation systems
- Data center management

SPECIFICATIONS (U013-0012)



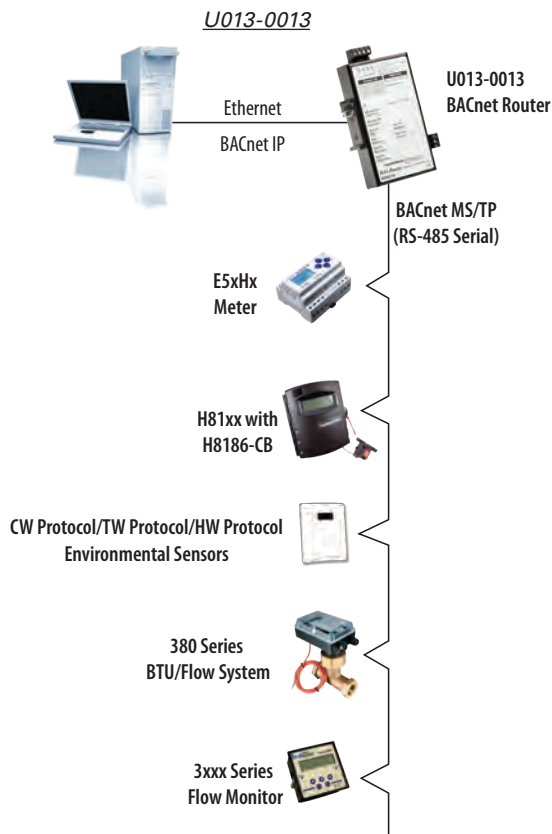
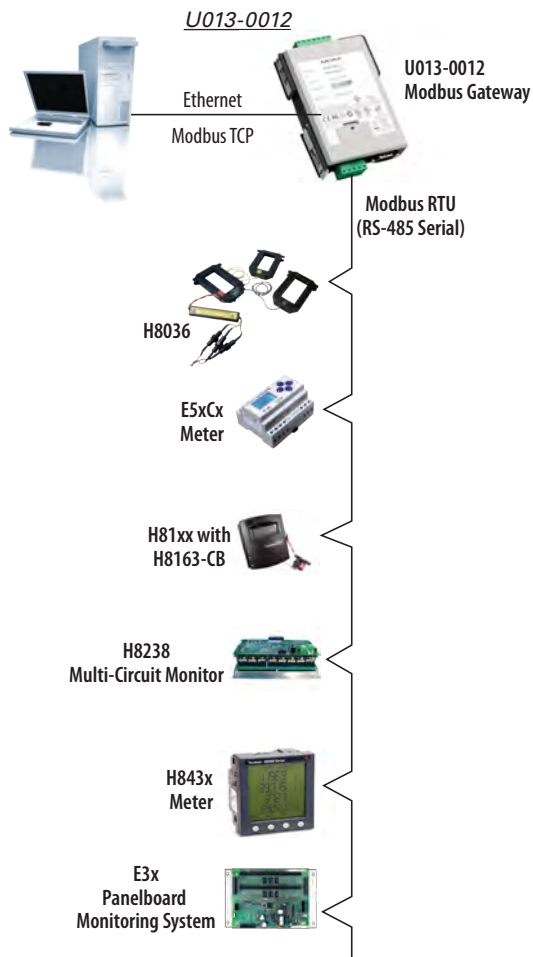
Agency Approvals	UL; CE; FCC Part 15 Class A; RoHS
DOWNSTREAM (DEVICE) INTERFACES	
Physical Layer	2-wire or 4-wire RS-485
Protocol	Modbus RTU
Baud Rate	50 to 921,600
UPSTREAM (CONTROLLER) ETHERNET INTERFACE	
Physical Layer	10/100 Mb Ethernet, Fixed IP or DHCP
Protocol	Modbus TCP
INPUT POWER REQUIREMENTS	
Supply Voltage	12-48VDC
Nominal Current	400mA@12VDC, 130mA@48VDC
ENVIRONMENTAL	
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Operating Temperature	0°C to 55°C (32°F to 131°F)
Relative Humidity	5-95% RH noncondensing

SPECIFICATIONS (U013-0013)

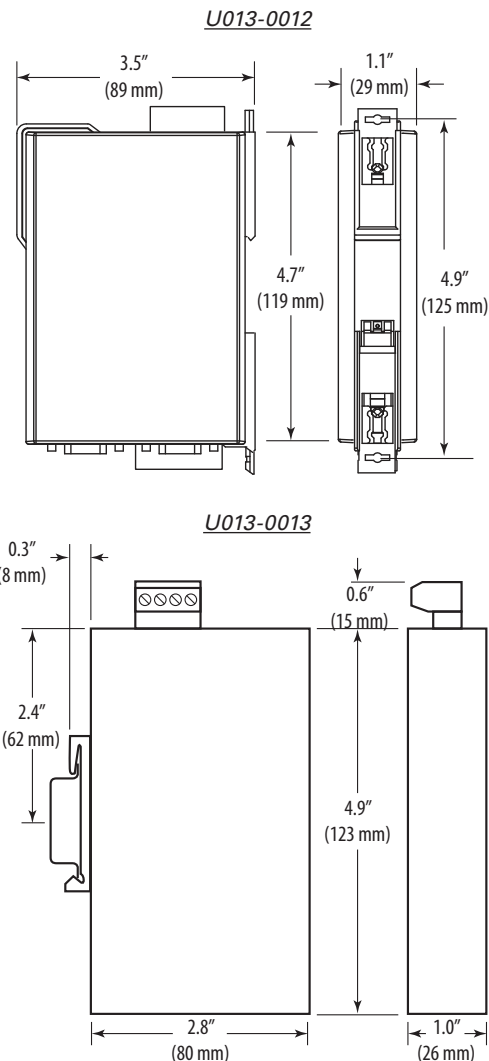


Agency Approvals	CE; FCC Part 15 Class A; RoHS
DOWNSTREAM (DEVICE) INTERFACES	
Physical Layer	2-wire RS-485
Protocol	BACnet MS/TP
Baud Rate	9600 to 78,600
UPSTREAM (CONTROLLER) ETHERNET INTERFACE	
Physical Layer	10/100 Mb Ethernet, Fixed IP
Protocol	BACnet IP
INPUT POWER REQUIREMENTS	
Supply Voltage	24VDC +/- 10%, 2W or 24VAC +/-10% 4VA 47 to 63 Hz
ENVIRONMENTAL	
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Operating Temperature	0°C to 60°C (32°F to 140°F)
Relative Humidity	10-95% RH noncondensing

APPLICATION EXAMPLES



DIMENSIONAL DRAWING



ORDERING INFORMATION

MODEL	DESCRIPTION
U013-0012	Modbus Gateway (RTU to TCP)
U013-0013	BACnet Router (MS/TP to IP)