SITETPI-E V3

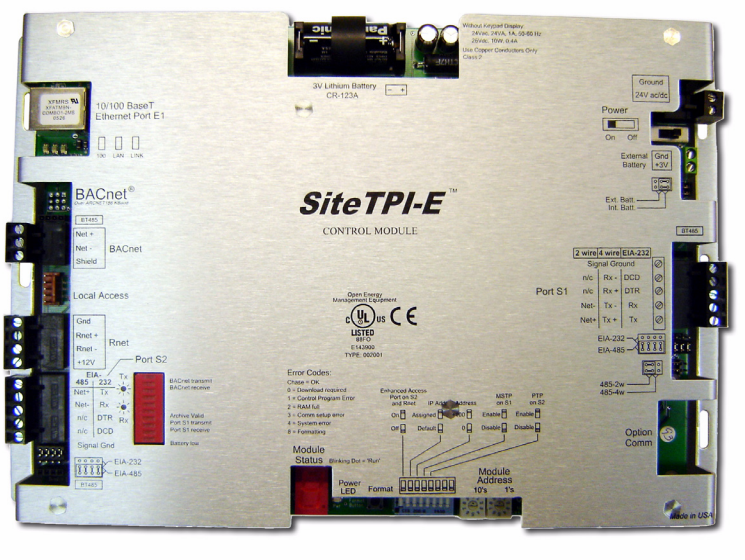
Product Specification/Installation Sheet

Description

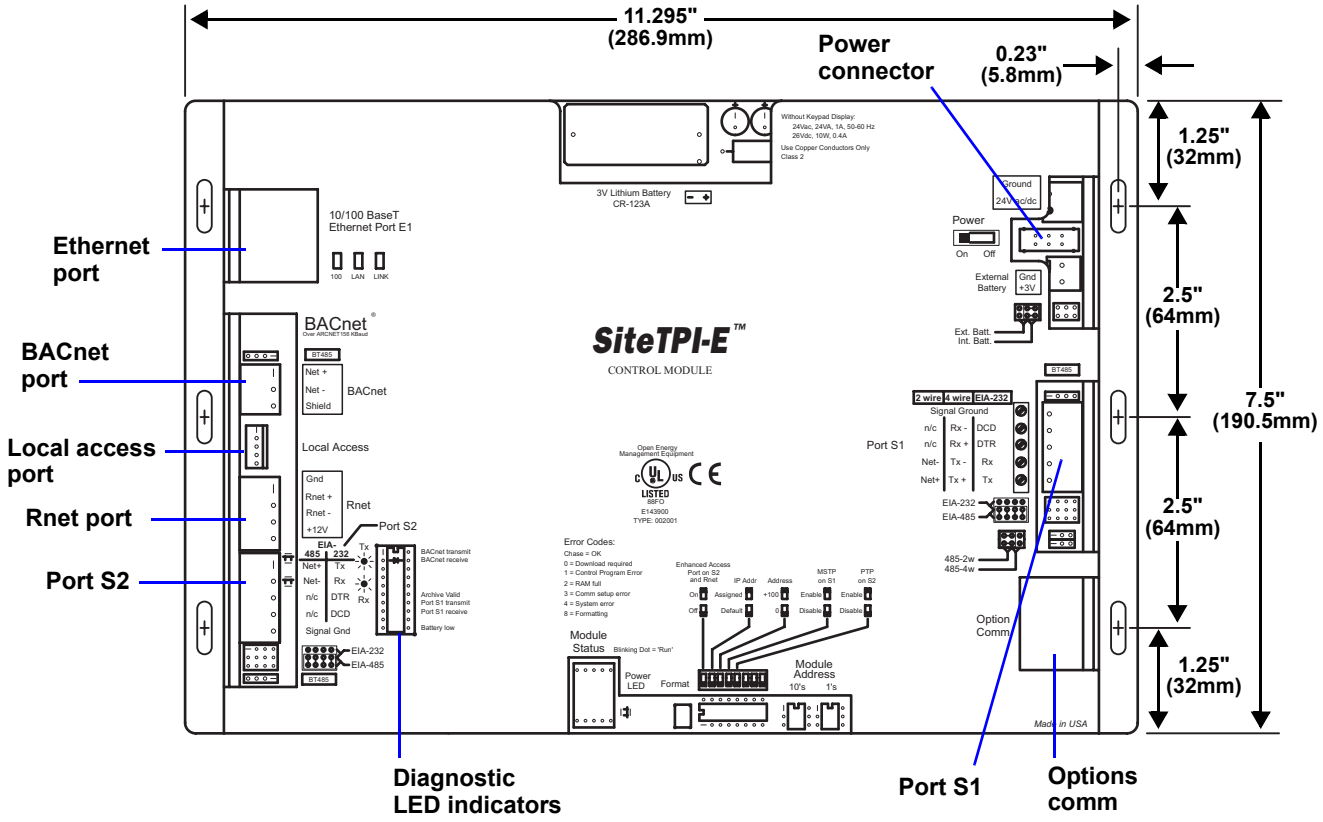
The Liebert SiteTPI-E is an Ethernet-ready device intended to interface specifically to a SiteScan Web system.

It is a 32-bit microprocessor-based device designed to monitor third-party equipment via an EIA-485/232 Modbus interface.

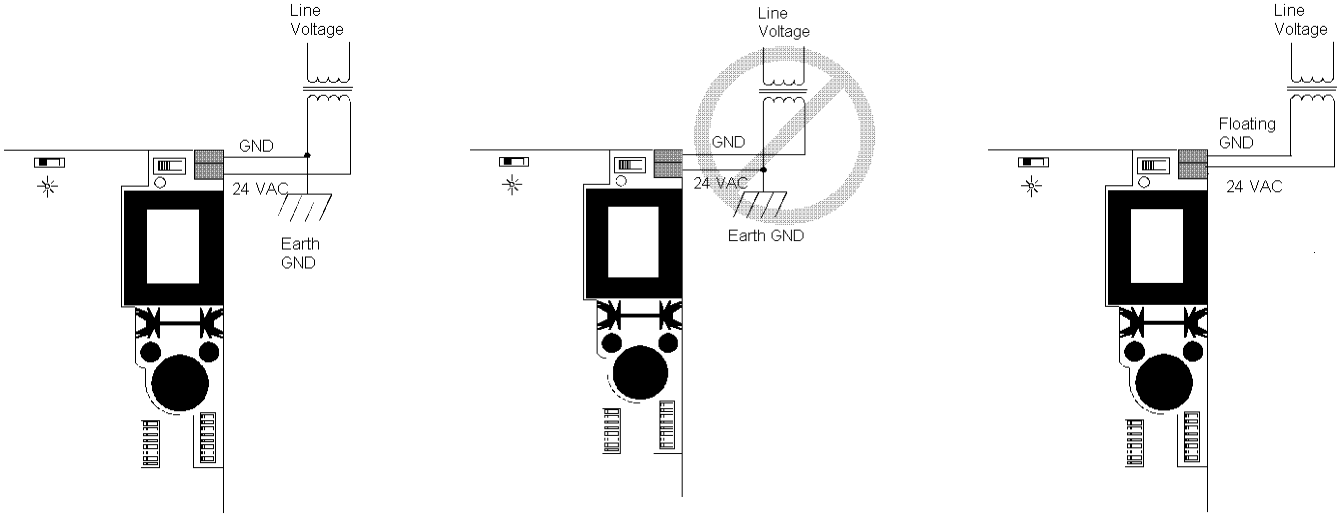
Logically the device sits on the Ethernet network, providing the interface to SiteScan Web. This effectively creates a router/gateway and third-party interface in a single device. Screw terminal blocks are provided to terminate power, communication and input signal wiring.



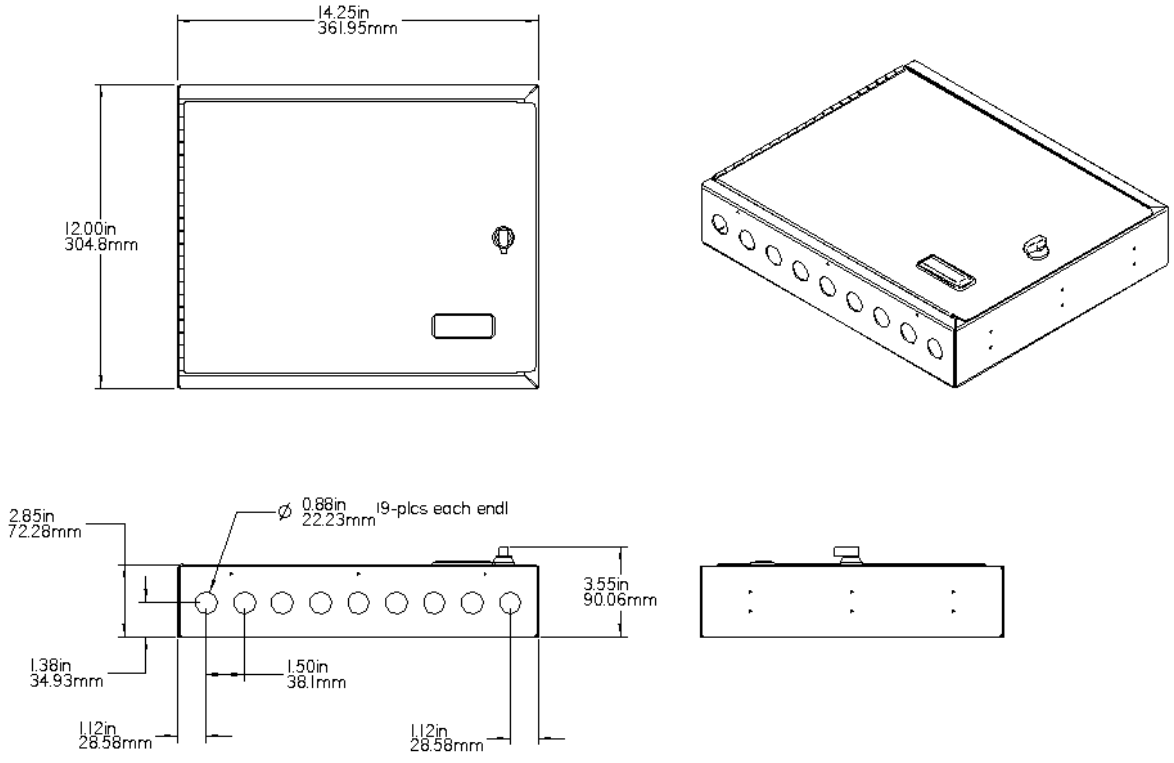
Module Dimensions and Layout



Power Wiring Diagrams



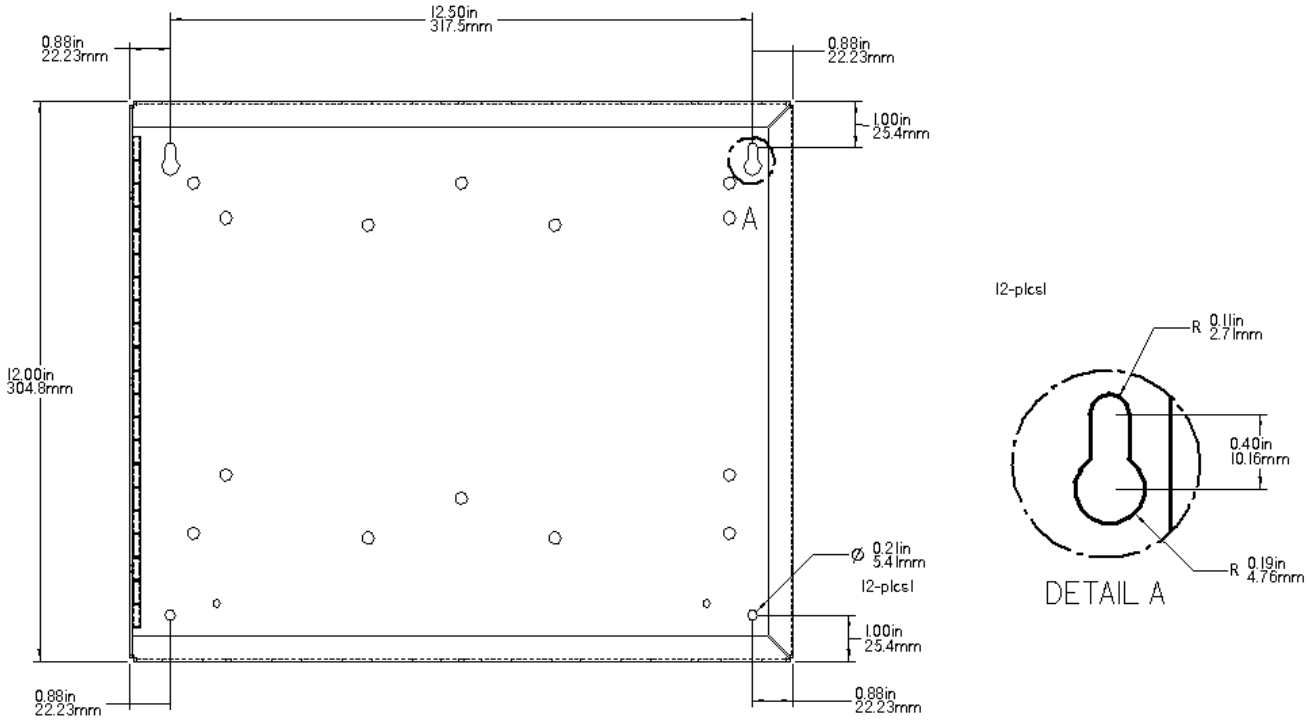
Enclosure Dimensions



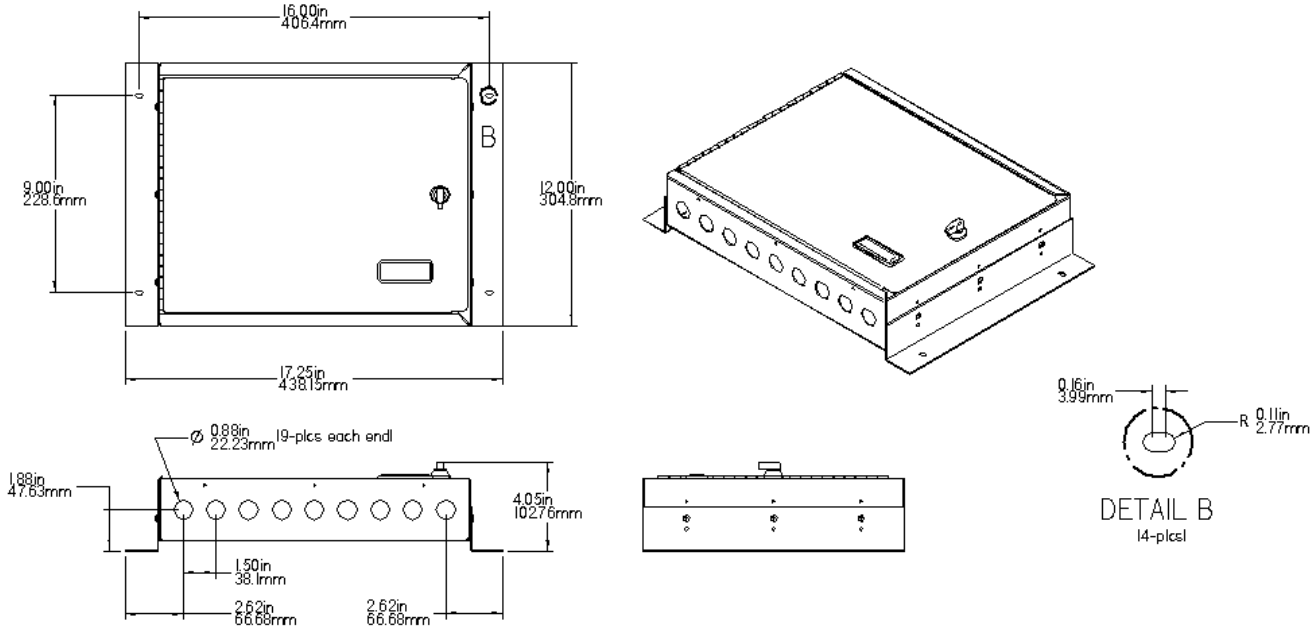
Enclosure Mounting

The enclosure may be mounted on a wall or on the floor. Refer to the following diagrams for your application.

Enclosure Wall Mounting Diagram



Enclosure Floor Mounting Diagram



Specifications

Power	24VAC ±10%, 50 to 60Hz, 24VA, or 26VDC ±10%, 10W	
Dimensions W x D x H: in. (mm)	**Module:** 11.295 x 0.56 x 7.5 (286.9 x 14.2 x 190.5)	**Enclosure (painted steel):** 14.25 x 2.85 x 12 (362 x 72.4 x 304.8)
Communication	• One (1) Ethernet 10/100BaseT RJ-45 port • One (1) Configurable Serial Port - EIA-232 or 485 (2- or 4-wire) • 5-position Terminal Block • One (1) CMnet EIA-485 Port - Control Module network screw terminals • Switch-selectable baud rates ARC156 / 9600 or 38.4bps • Recommended wire: MAGNUM Cable P/N A3-ARC-156-2 • **BACnet Port** (ARCNET156 or EIA-485 communication): In ARCNET156 mode, the port speaks BACnet ARC156. In EIA-485 mode, DIP switch settings specify baud rate and protocol: BACnet MS/TP or Modbus (RTU or ASCII). • **Port S1** (BMS connection): Normally configured for a Building Management System; may be configured for EIA-485 or EIA-232. Supports BACnet MS/TP, BACnet PTP and Modbus (RTU or ASCII) protocols. • **Port S2** (MFR connection): Connection to manufacturer's equipment; jumper enables EIA-485 or EIA-232 mode. Supports BACnet MS/TP, BACnet PTP and Modbus (RTU or ASCII) protocols. • **Rnet:** Local laptop and/or BACview access port. Conforms to the BACnet Advanced Application Controller (B-AAC) Standard Device as defined in BACnet 135-2001 Annex L.	
Environmental Operating Range	20°F to 140°F (-29°C to 60°C); 10 to 90% relative humidity, non-condensing. **Note:** Control modules should be installed within the building.	
Memory	16 MByte non-volatile battery-backed SDRAM (with 12 MBytes available for use) 8 MByte Flash memory, 32-bit memory bus	
Protection	Built-in surge and transient protection circuitry	
Battery	3V lithium battery P/N CR-123A; battery shelf life is 10 years with 720 hours of continuous operation	
Fault Detection	Hardware watchdog timer	
Agency Listings	UL916 (Canadian Std C22.2 No. 205-M1983), CE, FCC Part 15 - Subpart B - Class A	

Diagnostic LEDs

Indicator	Description	Indicator	Description
BACnet transmit	Blinks when data is transmitted	**Port S1 transmit**	Blinks when data is transmitted
BACnet receive	Blinks when data is received	**Port S1 receive**	Blinks when data is received
Archive Valid	N/A	**Battery low**	Blinks when the battery is low

Wiring Specifications

Connection	Supported Wire Types	Maximum Wire Length	Rating
Ethernet 10 BaseT	CAT 5	328 ft. (100m)	N/A
Port S1 ARCnet	MAGNUM Cable P/N A3-ARC-156-2	3000 ft. (915m)	N/A
Port S2 EIA-485	18-22 AWG Stranded & Shielded; **18 AWG* (recommended)** Non Plenum - Belden 9461; Plenum - Belden 88761	1000 ft. (300m)	N/A
Port S2 EIA-232	18-22 AWG Stranded & Shielded; **18 AWG* (recommended)** Non Plenum - Belden 9461; Plenum - Belden 88761	50 ft. (15m)	N/A

Ordering Information

Quantity	Part #	Description
	SiteTPI-E	SiteScan Web Third-Party Interface Module - Ethernet Ready

EMERSON. Network Power

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