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.
POWER WIRING DIAGRAMS

WIRING SPECIFICATIONS

<table>
<thead>
<tr>
<th>CONNECTION</th>
<th>SUPPORTED WIRE TYPES</th>
<th>MAX. WIRE LENGTH</th>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethernet 10 BaseT</td>
<td>CAT 5</td>
<td>328 ft. (100 m)</td>
<td>N/A</td>
</tr>
<tr>
<td>Port S1 ARCnet</td>
<td>MAGNUM Cable P/N A3-ARC-156-2</td>
<td>3000 ft. (915 m)</td>
<td>N/A</td>
</tr>
<tr>
<td>Port S2 EIA-485</td>
<td>18-22 AWG Stranded &amp; Shielded; 18 AWG* (recommended)</td>
<td>1000 ft. (300 m)</td>
<td>N/A</td>
</tr>
<tr>
<td>Port S2 EIA-232</td>
<td>18-22 AWG Stranded &amp; Shielded; 18 AWG* (recommended)</td>
<td>50 ft. (15 m)</td>
<td>N/A</td>
</tr>
</tbody>
</table>

ENCLOSURE DIMENSIONS

![Enclosure Dimensions Diagram]
ENCLOSURE WALL MOUNTING DIAGRAM

ENCLOSURE FLOOR MOUNTING DIAGRAM
DIAGNOSTIC LEDs

<table>
<thead>
<tr>
<th>INDICATOR</th>
<th>DESCRIPTION</th>
<th>INDICATOR</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACnet transmit</td>
<td>Blinks when data is transmitted</td>
<td>Port S1 transmit</td>
<td>Blinks when data is transmitted</td>
</tr>
<tr>
<td>BACnet receive</td>
<td>Blinks when data is received</td>
<td>Port S1 receive</td>
<td>Blinks when data is received</td>
</tr>
<tr>
<td>Archive Valid</td>
<td>N/A</td>
<td>Battery low</td>
<td>Blinks when the battery is low</td>
</tr>
</tbody>
</table>

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)

Weight, lb. (kg)
- 12.2 (5.53)

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

ORDERING INFORMATION

<table>
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<tr>
<th>PART#</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site TPI-E</td>
<td>SiteScan Web Third-Party Interface Module - Ethernet Ready</td>
</tr>
</tbody>
</table>

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