

## DUAL PORT PROTOCOL CONVERTER

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**01 APPLICATIONS:** Ideal for situations where data from monitored equipment is incompatible with the protocols used by the BMS or NMS. Installed frequently in facilities that utilize legacy monitoring systems.

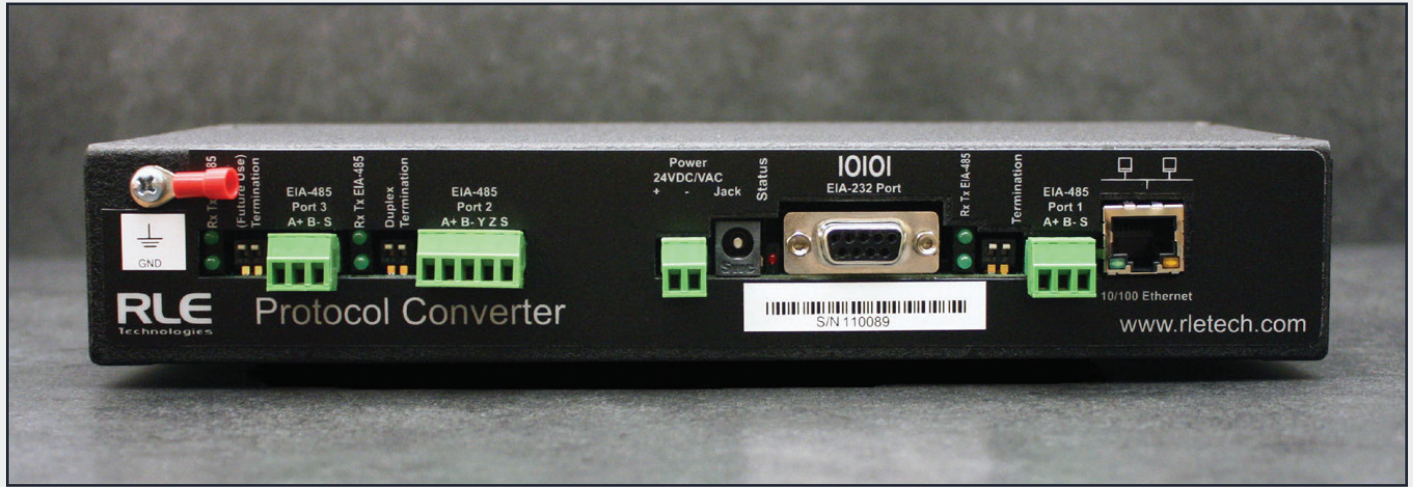
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- 02 KEY FEATURES:**
- Multiple input and output protocols
  - Monitor up to 1,024 Modbus registers, OIDs, or instances
  - Connect up to 32 units, modules, or nodes
  - Connect to multiple trunk lines
  - Alarm notification through email, SNMP
  - Web interface simplifies configuration
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**03 WHAT SETS RLE'S PROTOCOL CONVERTERS APART?**

- **Facilitates communication between previously incompatible devices.** The FDS-PC-DP accepts an SNMP, BACnet, or Modbus signal, converts it to one or more of these same protocols, and then sends the signals on to another device.
- **Communicates via multiple open protocols** - easily integrates with a wide variety of equipment and building management (BMS) and network management systems (NMS).
- **An economical integration solution,** the FDS-PCDP allows you to continue using legacy monitoring systems, while adding new devices to your facility.

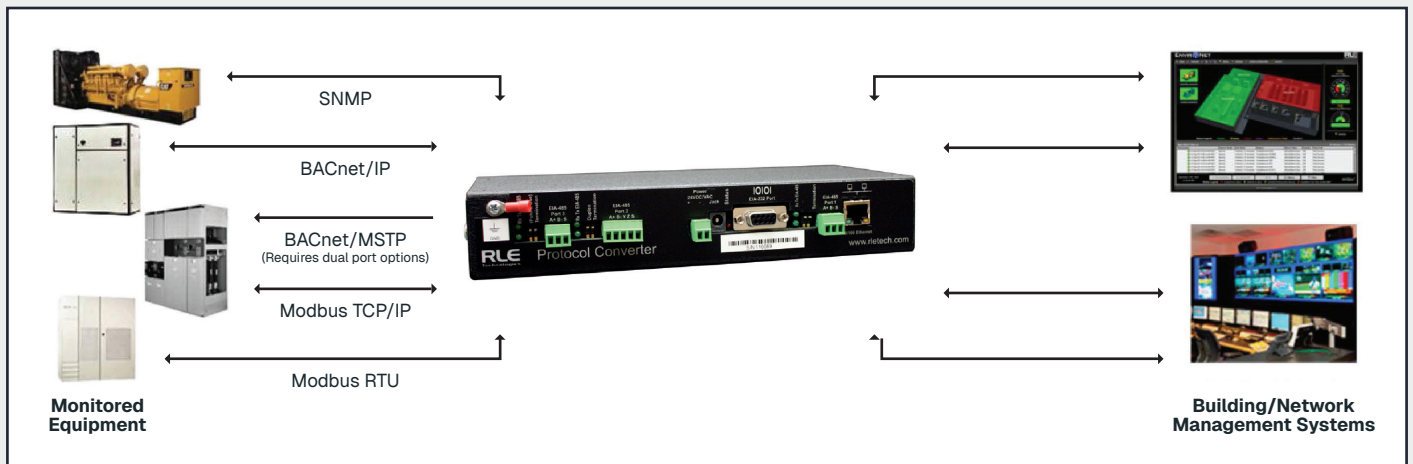
## 04 PROTOCOL TRANSLATION FOR SEAMLESS INTEGRATION: The only stand alone product designed specifically to convert SNMP, BACnet, and Modbus protocols to one or more of these same protocols for integration into (BMS) or (NMS).



## 05 FDS-PC-DP: Compatible with devices that communicate via SNMP, BACnet, and/or Modbus

### Product Codes

|                  |                                                                              |
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| <b>FDS-PC-DP</b> | Protocol Converter; SNMP/Modbus/BACnet, dual port RS485, includes PSWA-DC-24 |
|------------------|------------------------------------------------------------------------------|



## 06

## Technical Specifications

|                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| <b>Power</b>                                                                                                                                      | 100/240VAC 50/60Hz @ 100mA max; Type A, C, G, and I blades for domestic US and international use (included)                                                                                                                                                                                                                                                                                                                                                           |
| <b>Communication Ports</b><br>Temperature<br>Humidity<br>Altitude                                                                                 | 10/100BaseT, RJ45 connector; 500VAC RMS isolation<br>DB9 female connector; 9600 baud; No parity, 8 data bits, 1 stop bit<br>1200, 2400, 9600 or 19200 baud (selectable); Parity: none, even or odd, 8 data bits, 1 stop bit<br>Dual Port Protocol Converter contains 3 total ports – Port 2 configurable for half- or full-duplex                                                                                                                                     |
| <b>Protocols</b><br>TCP/IP; HTML, TFTP SNMP<br>Modbus (EIA-485)<br>Modbus TCP/IP<br>BACnet/IP<br><br>SMTP (email)<br>Terminal Emulation (EIA-232) | V1: V2C MIB-2 compliant; NMS Manageable with Get<br>Modbus Client/Server; RTU mode; Supports Client codes 01, 02, 03, 04; Server code 03<br>Modbus Client/Server; TCP/IP transmission protocol<br>ASHRAE STD 135-2004 Annex J; Port 3 on Dual Port Protocol Converter is BACnet MS/TP capable (Secondary device only)<br>Supports Client Authentication (plain and login); compatible with ESMTP Servers<br>VT100 compatible (for configuration and diagnostics only) |
| <b>Protocols In</b><br><b>Protocols Out</b>                                                                                                       | SNMP, Modbus EIA-485, Modbus TCP/IP, BACnet/IP<br>SNMP, Modbus EIA-485, Modbus TCP/IP, BACnet/IP; BACnet MS/TP (Port 3 of Dual Port Protocol Converter only)                                                                                                                                                                                                                                                                                                          |
| <b>Login Security</b><br>Web Browser Access (Ethernet)<br>Terminal Emulation Access                                                               | 1 Web password Read Only; 1 Web password Read/Write<br>None                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Maximum Number of units/modules/nodes</b>                                                                                                      | 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Maximum Number of registers/OIDs/instances</b>                                                                                                 | 1,024                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Indicators</b><br>Network<br>EIA-485 Status                                                                                                    | Green/Red LED: Link/No Link; Green Active<br>Green Transmit and Receive LEDs                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Operating Environment</b><br>Operating Temperature<br>Humidity<br>Altitude                                                                     | 32°F to 122°F (0°C - 50°C)<br>5% to 95% RH (Non-condensing)<br>15,000 ft (4572m) max.                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage Temperature</b>                                                                                                                        | -4°F to 185°F (-20°C - 85°C)                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Mounting</b>                                                                                                                                   | Desktop, rack mount (brackets included), wall mount (brackets available, sold separately)                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Dimensions</b>                                                                                                                                 | 9.8"W x 5.3"D x 1.8"H (248mmW x 135mmD x 46mmH)                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Weight</b>                                                                                                                                     | 2.32 lb. (1.05kg)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Certifications</b>                                                                                                                             | CE; ETL listed: conforms to UL 61010-1, EN 61010-1; certified to CSA C22.2 NO. 61010-1; RoHS compliant                                                                                                                                                                                                                                                                                                                                                                |