FDS-PC
Protocol Converters

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.

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

- Use the dual port Protocol Converter to connect to multiple trunk lines

- Alarm notification through email, SNMP

- Web interface simplifies configuration

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).

What Sets RLE's Protocol Converters Apart?

- **Facilitates communication between previously incompatible devices.** The FDS-PC 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-PC allows you to continue using legacy monitoring systems, while adding new devices to your facility .

Raptor

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

Product Codes	
FDS-PC	Protocol Converter; SNMP/Modbus/BACnet, includes PSWA-DC-24
FDS-PC-DP	Protocol Converter; SNMP/Modbus/BACnet, dual port RS485, includes PSWA-DC-24

Technical Specifications	
Power	24VAC @ 600mA max, 50/60Hz, 24VDC @ 600mA max. (PSWA-DC-24 included)
Communication Ports Ethernet EIA-232 EIA-485	10/100BaseT, RJ45 connector; 500VAC RMS isolation DB9 female connector; 9600 baud; No parity, 8 data bits, 1 stop bit 1200, 2400, 9600 or 19200 baud (selectable); Parity: none, even or odd, 8 data bits, 1 stop bit Dual Port Protocol Converter contains 2 additional EIA-485 ports (Three total ports - Port 2 configurable for half- or full-duplex)
Protocols TCP/IP; HTML, TFTP SNMP Modbus (EIA-485) Modbus TCP/IP BACNet/IP SMTP (email) Terminal Emulation (EIA-232)	V1: V2C MIB-2 compliant; NMS Manageable with Get Modbus Client/Server; RTU mode; Supports Client codes 01, 02, 03, 04; Server code 03 Modbus Client/Server; TCP/IP transmission protocol ASHRAE STD 135-2004 Annex J; Port 3 on Dual Port Protocol Converter is BACnet MS/TP capable (Secondary device only) Supports Client Authentication (plain and login); compatible with ESMTP Servers VT100 compatible (for configuration and diagnostics only)
Protocols In Protocols Out	SNMP, Modbus EIA-485, Modbus TCP/IP, BACnet/IP SNMP, Modbus EIA-485, Modbus TCP/IP, BACnet/IP; BACnet MS/TP (Port 3 of Dual Port Protocol Converter only)
Login Security Web Browser Access (Ethernet) Terminal Emulation Access	1 Web password Read Only; 1 Web password Read/Write None
Maximum Number of units/modules/nodes	32
Maximum Number of registers/OIDs/instances	1,024
Indicators Network EIA-485 Status	1 Green/Red LED: Link/No Link; 1 Green Active (additional LEDs for Dual Port Protocol Converter) 2 Green Transmit and Receive LEDs (additional LEDs for Dual Port Protocol Converter)
Operating Environment Operating Temperature Humidity Altitude	32°F to 122°F (0°C - 50°C) 5% to 95% RH (Non-condensing) 15,000 ft (4572m) max.
Storage Temperature	-4°F to 185°F (-20°C - 85°C)
Mounting	Desktop, rack mount (brackets included), wall mount (brackets available, sold separately)
Dimensions	9.8"W x 5.3"D x 1.8"H (248mmW x 135mmD x 46mmH)
Weight	2.32 lb. (1.05kg)
Certifications	CE; ETL listed: conforms to UL 61010-1, EN 61010-1; certified to CSA C22.2 NO. 61010-1; RoHS compliant