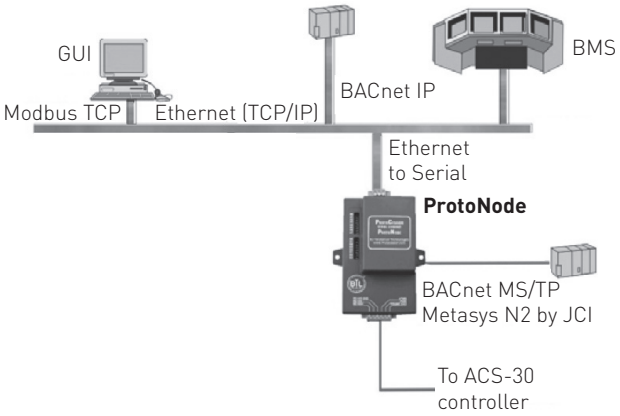
# Raychem PROTONODE
## MULTI-PROTOCOL DEVICE GATEWAY

ProtoNode-RER-10K




## PRODUCT OVERVIEW

The Raychem ProtoNode is an external, high performance multi-protocol gateway for customers needing protocol translation between Building Management Systems (BMS) using BACnet® or Metasys® N2 and the Raychem ACS-30.

The Raychem ProtoNode-RER-10K is pre-programmed with the ACS-30 Modbus® profiles for simple integration into a BMS.

**ProtoNode-RER-10K:** Provides support for Modbus RTU to BACnet MS/TP, BACnet IP (BTL Certified), and Metasys N2 protocol translation for large ACS-30 systems. The gateway features an ARM9 processor for fast performance and includes. One Ethernet and 2 RS-485 connection ports.

**Features and benefits:**

- The most flexible and versatile multiprotocol device server on the market
- BACnet International's BTL Certification makes the ProtoNode-RER 10K the most reliable gateway on the market
- Multi-client and multi-server support ensures interoperability between any Industrial or Building Automation protocols
- Flash upgradable

For additional information, contact your Pentair Thermal Management representative or call 0800 969 013.

## APPROVALS

BACnet Testing Labs (BTL) B-ASC on ProtoNode-RER

## SPECIFICATIONS

| | ProtoNode-RER-10K |
|---|---|
| Electrical connections | • One 6-pin Phoenix connector, one RS-485 +/- ground port, power +/- frame ground port<br>• One 3-pin RS-485 Phoenix connector, one RS-485 +/- ground port<br>• One Ethernet-10/100 Ethernet port |
| Power requirements | 9–30 Vdc or Vac, or 5 Vdc |
| Current draw | 150 mA @ 12 V |
| Supported field protocols | • BACnet IP (Ethernet)<br>• BACnet MS/TP (RS-485)<br>• Metasys N2 open (RS-485) |
| Operating temperature | –40°F to 187°F (–40°C to 85°C) |
| Relative humidity | 5–90% RH, noncondensing |
| Enclosure dimensions | 4.37 in L x 2.75 in W x 1.50 in H<br>(11.10 cm L x 7.00 cm W x 3.81 cm H) |

## NUMBER OF PROTONODE / CONTROLLER CONNECTIONS

| Description | ProtoNode-RER-10K |
|---|---|
| ACS-30-EU-PCM2-5-**A | 34 |
| ACS-30-EU-PCM2-10-**A | 17 |
| ACS-30-EU-PCM2-15-**A | 11 |

## ORDERING DETAILS

| Description | Catalog number | Weight (lbs) |
|---|---|---|
| Raychem ProtoNode-RER -10K: BACnet MSTP/IP and Metasys N2 protocol gateway | ProtoNode-RER-10K | 1.3 |

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