



# Proto Node

## Building Management System Gateway

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### Overview

The ProtoNode is a multiprotocol Building Management System (BMS) Gateway for Prestige and Keystone Boilers. The ProtoNode translates boiler information in to the native Building Management System (BMS) communication protocol.

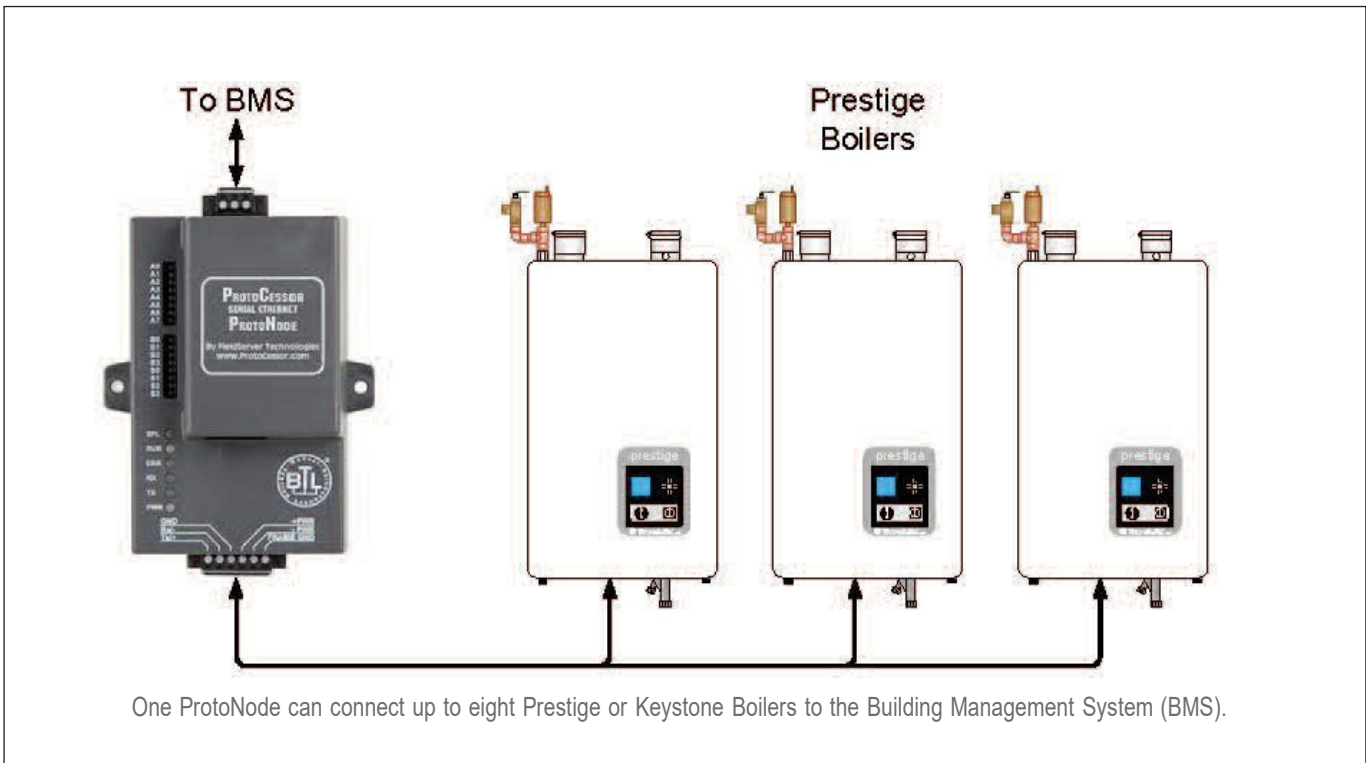
### Features

- **Quick & Simple Integration**  
Prestige and Keystone boilers appear as native devices to the Building Management System (BMS). The Building Management System (BMS) can communicate with the boilers just like any other device in their system.
- **Single Device Solution**  
The ProtoNode connects directly to the Modbus port of the Prestige and Keystone boilers. No additional hardware is required by the Building Management System (BMS) to interface with the boilers.
- **Preprogrammed**  
The ProtoNode is preprogrammed for both the Prestige and Keystone Boilers. There are no configuration files to download or programming necessary.
- **Pretested**  
The ProtoNode Prestige and Keystone configurations have been fully tested. The Building Management System (BMS) user can trust that the information from the boiler has been correctly translated for their system.
- **Multiple Boiler Support**  
One ProtoNode can connect up to eight Prestige or Keystone Boilers to the Building Management System (BMS). Each boiler appears as a separate device to the Building Management System (BMS).
- **Multiple Protocol Support**  
Two ProtoNode models provide communication with BACnet® MS/TP, BACnet®/IP, Metasys® N2, Modbus TCP and LonWorks® protocols.
- **PTCON22**  
BMS Protocols Supported
  - BACnet® MS/TP
  - BACnet®/IP
  - Metasys® N2
  - Modbus TCPBACnet COV support provides fast data communication while reducing the traffic over the BACnet network.  
BACnet BTL certified (B-ASC)
- **PTCON23**  
LonWorks® protocol support  
LonMark 3.4 certified
  - Metasys® is a registered trademark of Johnson Controls Inc.
  - LonWorks® is a registered trademark of Echelon Corp.
  - BACnet is a registered trademark of ASHRAE.

Part #	Item Description
PTCON22	ProtoNode (BACnet® MS/TP, BACnet®/IP, Metasys® N2, Modbus TCP)
PTCON23	ProtoNode (LonWorks®)

## ProtoNode Specifications

Voltage Input: .....	9-30 VDC or 12-24 VAC 60Hz
Power Consumption: .....	PTCON22: 240mA @ 12V PTCON23: 250mA @ 12V
Operating Temperature: .....	-40°F (-40°C) to 167°F (75°C)
Operating Humidity .....	5% to 90% RH, Non-condensing
Dimensions .....	3 1/4"W x 4 1/2"H x 1 3/4"D
Approvals .....	TUV approved to UL 916 standard DNP3 Conformance Tested FCC Part 15 OPC Self Tested for Compliance RoHS Compliant
PTCON22 Approvals .....	BACnet Testing Labs (BTL) B-ASC
PTCON23 Approvals .....	LonMark 3.4 Certified



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