



Building Automation, Inc.

LXBASM Building Automation Interface Device Installation Guide for Use with HBA LX Panel Systems

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These instructions include information as follows:

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GENERAL INSTRUCTIONS

The LXBASM Building Automation Interface Device is manufactured for Hubbell Building Automation by FieldServer Technologies, Milpitas, CA. These products are labeled and listed by Field Server Technologies for the appropriate applications as indicated on the Field Server Technologies User Manual included with the product.

PLEASE READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

This Installation Guide is for use in connecting the FieldServer product with HBA control devices and is not intended to serve as approved Installation Instructions.

DESCRIPTION

The Hubbell Building Automation ProtoNode is an external, high performance, low cost Building Automation multi-protocol gateway for providing control and access to Hubbell Building Automation's LX Network Lighting Control Panel system. The device provides protocol translation between Serial-Serial, Serial-Ethernet and Ethernet-Ethernet devices using BACnet®, Metasys® N2 by JCI, and Modbus. ProtoNode is designed to be used in facilities that need to quickly and easily enable their LX Lighting Control Panels and Devices to interface with other protocols. The ProtoNode device is pre-configured with LX system protocol interface and allows the user to field select BAS system protocols including Modbus RTU, Modbus TCP, BACnet IP, BACnet MS/TP or JCI Metasys N2OPEN.

Part #	Description
LXBASM	Building Automation Multi-Protocol Interface Device (Field Server) w/Power Supply, 120VAC Input

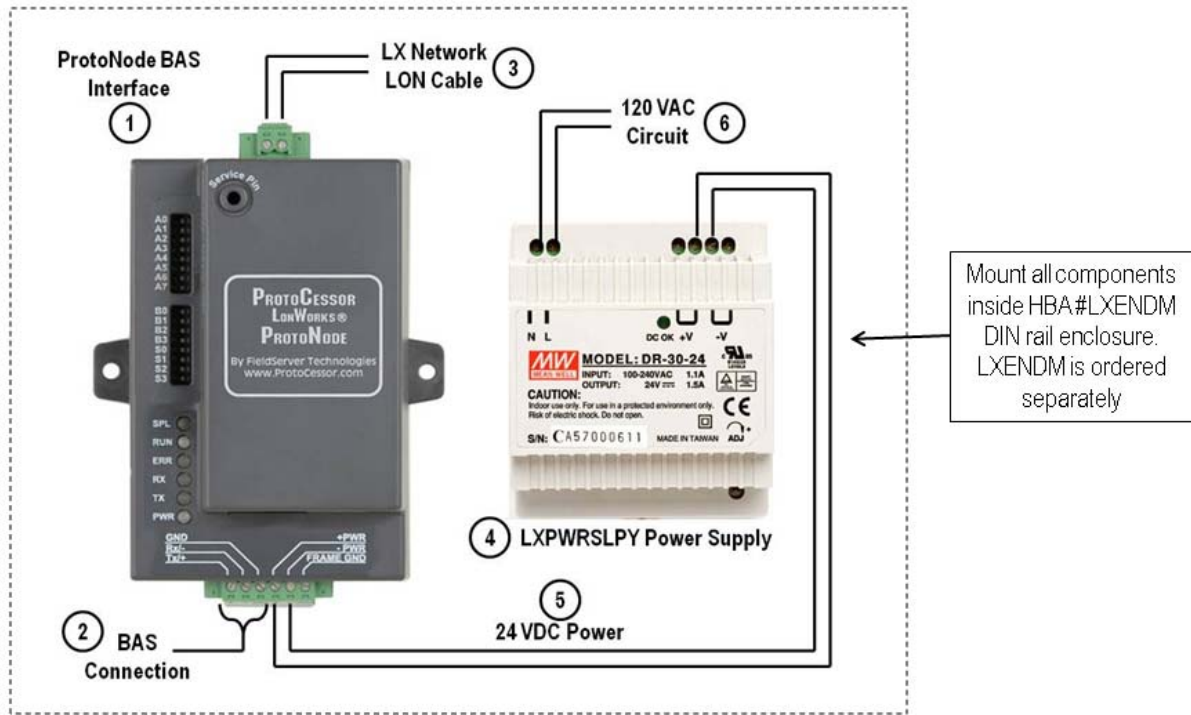
SPECIFICATIONS

NOTE: Refer to FieldServer User Manual product labels for specifications and ratings.

Metasys® is a registered trademark of Johnson Controls, Inc.
LonWorks® is a registered trademark of Echelon Corp.
BACnet® is a registered trademark of ASHRAE

WIRING DIAGRAMS – For use with LX Network Lighting Control Panel Systems

The Hubbell Building Automation LXBASM includes the FieldServer ProtoNode Device and an LXPWRSLPY Power Supply. These devices should be mounted in an HBA LXENDM DIN rail enclosure and connected as shown below. The ProtoNode device is supplied with a 12" Belden 8471 pigtail connected to the LX LON Input port and black/red 24 VDC input wires attached to the power input terminals. Additionally a small flathead screwdriver is included sized for the small terminal screws on the ProtoNode device to assist in assuring that these connections are secure once installed in the DIN rail box. Contact Hubbell Building Automation Technical Service at (800) 888-8006 for assistance as required.



- ① Mount ProtoNode to DIN rail inside Enclosure
- ② Terminals for BAS connection (See User Guide)
- ③ Dedicated LX LON Connection, Attach network to BELDEN 8471 cable pigtail.
- ④ Mount Power Supply to DIN rail inside enclosure
- ⑤ Connect 24VDC wiring to power supply and ProtoNode Device. Insure proper polarity.
- ⑥ Provide 120VAC input, 40VA total maximum load