LX Series – Networked Lighting Controls
LXBASM Building Automation
Multi-Protocol Interface Device w/Power Supply

KEY FEATURES

• Programming Interface:
  - No software required—built-in web server provides connection via any compatible Internet browser
  - Graphical User Interface (GUI) makes programming both intuitive and simple
  - Unit is field selectable for specific BAS protocol
  - Sophisticated user account/password manager

• System Integration:
  - Integrates LX lighting control systems and Building Automation Systems (BAS)
  - Integrates with BACnet®, Metasys® N2 by JCI, and Modbus™ standards
  - Automatically generates all required control points and documentation for integration with the selected protocol

OVERVIEW

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-LX and Ethernet-LX 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.

FEATURES and BENEFITS (Programming Interface)

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
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<tr>
<td>Programming Interface:</td>
<td>• Web browser based programming</td>
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<td>• Intuitive easy-to-use graphic screens</td>
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<td>Complete Interface with Power Supply</td>
<td>• Contains (1) ProtoNode Multi-Protocol</td>
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<td>• Contains (1) LXPWRSPLY Power Supply</td>
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<td></td>
<td>• Devices are DIN Rail Mount for installation in LXENDM</td>
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<td>Factory Configured for LX System interface</td>
<td>(Ordered separately)</td>
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<td>• Dedicated LON port for connection to LX System. Device is</td>
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<td>pre-loaded with LX interface programming for unique system</td>
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<td>discovery during commissioning</td>
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<td>User Interface selectable BAS Protocol</td>
<td>• All protocols are factory loaded and selectable at the time</td>
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<td>of commissioning of system points.</td>
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<td>Integration of ONLY desired available points</td>
<td>• The build process allows the integrator to build only the</td>
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<td>discovered points required by the specific site integration.</td>
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<td>• Allows for larger networks to be integrated because only</td>
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<td>the selected points are built into system memory</td>
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**SPECIFICATIONS**

**Supported Serial (RS-485) Protocols**
- BACnet MS/TP
- Modbus RTU

**Supported Ethernet Protocols**
- BACnet IP
- Modbus TCP/IP
- JCI Metasys N2OPEN

**Supported Electrical Connections**
- 1 - 6 pin Phoenix Connector
- 1 RS-485 +/- Ground port
- Power +/- Frame Ground port
- 1 Ethernet -10/100 Ethernet port
- 1 FTT-10 LonWorks port (Dedicated for LX System)

**Power Requirements**
- 9-30 VDC or VAC or 5 VDC
- Current draw @ 12V = 279 mA

**Operating environment**
- Indoor use only
- -40°F to 167°F (-40°C to 75°C)
- Relative humidity (non-condensing): 5%–90%

**Dimensions**
- 4.52 x 3.25 x 1.60 inches (L x W x H)
  (11.49 x 8.25 x 4.06 cm)

**Approvals**
- CE Mark
- TUV approved to UL 916 standard
- LonMark 3.4 Certified
- OPC Self Certified, DNP3 Certified
- RoHS Compliant UL Listed, UL924

**Warranty**
- Two years

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**ORDERING INFORMATION**

**MODEL**
- **LXBASM** LX Building Automation Interface, Universal Control with Power Supply

**WIRING DIAGRAMS**

LXBASM for Building Automation Interface

LXBASM for Building Automation Interface with LXJNSYS for Web Browser Access

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BACnet® is a registered trademark of ASHRAE

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