



LX Series – Networked Lighting Controls

LX Link Power Module

KEY FEATURES

- Power supply for LX Series Link Power-based devices
- Short-circuit and overcurrent monitoring
- Bus termination by switch
- DIN rail mount

OVERVIEW

Hubbell Building Automation’s LX Link Power Module is a self-contained power supply that provides operating power to LX Series twisted-pair communication networks. This module powers a multitude of device types, such as LX switch stations, LX occupancy sensors, and LX photosensor control modules. The device’s versatility enables it to support a variety of network topologies, including Star and T-configurations.



LXLPM2

SPECIFICATIONS

Power supply	<ul style="list-style-type: none"> • Rated input voltage: 120 VAC (85-132V) • Rated frequency: 50/60 Hz • Rated input current: 0.7A
Output to bus	<ul style="list-style-type: none"> • Output voltage: 41.5V; +/-2.2% • Residual ripple: <80mV at 10 kHz (200mV at f>200kHz) • Output current: 1A (supports approximately 56 LX Series devices) (For larger networks, an additional LX Link Power Module and LX Router/Repeater Module can be added to expand the LX network) • Overload protection: typical at 1.6A; permanent short circuit proof with pulsing “try of restart”
Connectors	<ul style="list-style-type: none"> • Screw terminal
Operating environment	<ul style="list-style-type: none"> • Indoor use only • Operating temperature: 32°–104°F (0°–40°C) • Relative humidity (non-condensing): 0%–95%
EMC	<ul style="list-style-type: none"> • Emission: EN61,000-6-3; class B; EN50090-2-2 • Immunity: EN61,000-4-2/3/4/5/6; class A
Dimensions	<ul style="list-style-type: none"> • 4.96” x 2.28” x 3.54”
Warranty	<ul style="list-style-type: none"> • Five years

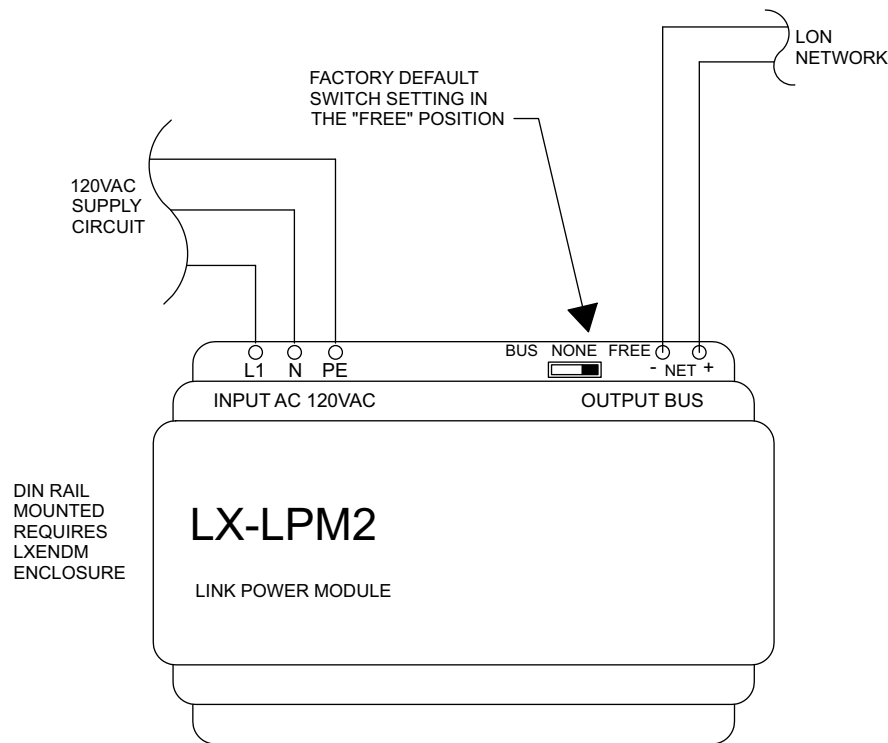
ORDERING INFORMATION

MODEL
LXLPM2 LX Link Power Module

APPLICATION NOTES

- The LXLPM2 Link Power Module is used to provide power over the 2-wire LX Network for a maximum of 56 devices OR 1500 feet of cable. This device is DIN rail mounted and includes a network termination device.
- The LXLPM2 requires a 120 VAC hardwire connection and can be placed anywhere in the network segment.
- LX Relay or LXBC Breaker Relay panel networks without any devices do not require a LXLPM2 Link Power Module.
- When using a Link Power Module to supply power for devices, the devices should be specified with the "LP" option.
- When networks grow larger than 56 devices or 1500 feet of cable then additional Link Power Modules will be required. When additional LXLPM2 modules are connected they require an LXRRM repeater to separate each powered segment.
- The LXRRM Repeater performs the function of isolating the separate power supplies while allowing network data to be transmitted through the repeater.
- The LXRRM Repeater requires 24VAC input power that can be provided with a LXPWRSPLY Power Module. The LXPWRSPLY requires a 120 VAC hardwire connection.

WIRING DIAGRAM



NOTES:

1. EACH LXLPM2 LINK POWER MODULE CAN SUPPLY POWER FOR UP TO 56 DEVICES OR 1,500 FT OF CABLE PER NETWORK.
2. ADDITIONAL SEGMENTS REQUIRE ONE LINK POWER EACH.
3. LXRRM REPEATERS ARE REQUIRED BETWEEN SEGMENTS.
4. SEGMENTS CAN ONLY HAVE ONE LINK POWER SUPPLY CONNECTED.
5. LINK POWER CAN BE CONNECTED AT ANY LOCATION ON THE SEGMENT.



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