NXL-BMS

BACNET PROTOCOL CONVERSION PANEL

OVERVIEW

The NexLight® NXL-BMS accessory panel provides protocol conversion from the native Modbus TCP/IP of the NexLight System to BACnet protocol for integration into a Building Management Systems. The BACnet system can then connect either via Ethernet to an available port on the supplied unmanaged ethernet switch or via RTU connection on the BMS protocol converter in the NXL-BMS panel. The Building Management Integrator can easily set the communication of the device to match their BMS network and Map the NexLight System Points using the supplied points list. This panel includes a Surface Mount NEMA/Type 1 Enclosure with a hinged cover secured by a robust locking mechanism that includes (2) keys.

FEATURES

- **Nema/Type 1 Enclosure**
- **Simple BMS Integration using BACnet Protocol**
- **Solution for any R Series, D Series, or Custom Main Panel**
- **Allows Building Management to override any point on the NexLight System including dimming levels of dimmed loads.**

SPECIFICATIONS

Physical

NEMA/Type:	1 (3R available, add -3R to part number)
Mounting:	Surface Mount (suitable for Plenum Mount)
Operating Temperature:	14° to 113°F (-10°C to 45°C)

Electrical (Control Wiring)

Input Signal:	24VAC, Class II

FieldServer

Serial:	Galvanic Isolation
	1 RS-485/RS-232 & 1 RS-485
Serial Baud Rates:	9600, 19200, 34800, 57600, 76800, 115000
Ethernet:	10/100BaseT, MDIX, DHCP
Approvals:	CE, FCC Class B & C Part 15
	UL 60950
	IC Canada
	RoHS and WEEE compliant
	PTCRB and CTIA

Ethernet Switch (Unmanaged)

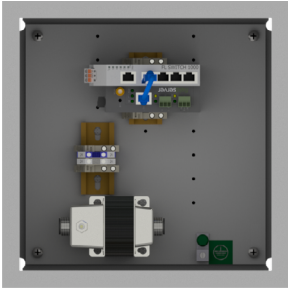|	
Number of Ports:	5 RJ45
Transmission Speed:	10/100 Mbps
Signal LEDs:	Data receive, link status
Supply Voltage:	24 VDC / 24 VAC (50/60 Hz)

ADDITIONAL PANELS

**See individual accessory specification sheet for more information

NXL-R Series	NexLight R Series Relay Panels
NXL-D Series	NexLight D Series Dimming Panels
NXL-RC Series	NexLight RC Series Room Control Panels
NXL-OPC:	Outdoor Photocell Integration Panel, Remote Mounting (8"H x 8"W x 4"D)
NXL-OOP5:	Dimming Expansion, (8) Channels of 0-10 Dimming (100mA Sinking per Channel) (8"H x 8"W x 4"D)
NXL-AVI:	A/V Integration, (8) Dry Contact Inputs (8"H x 8"W x 4"D)
NXL-AMP:	Amplifier Panel for NexLight Data Bus, Supports an additional 485 mA of system devices (12"H x 12"W x 6"D)

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Five-Year Limited Warranty.
PSPEC-BMS-Series | REV001-230111
PAGE **1**

NXL-BMS

Included Components

1	SMBC BACnet Converter
1	5 Port Ethernet Switch, Unmanaged
1	TR-5024 Transformer
1	TB-1-2 Terminal Block Assembly
1	PA-120-1 Panel Assembly

Physical Specifications

NEMA/Type:	1
Mounting:	Surface Mount
Dimensions:	12.00"H x 12.00"W x 6.00"D
Weight:	15 lbs 12.8 oz
Addresses Available:	N/A
Addresses Used:	N/A
mA Available:	N/A
mA Draw:	N/A
Operating Temperature:	14° to 113°F (-10°C to 45°C)

WIRING DIAGRAM

Description	Wire Color
Neutral	Black
120 VAC	White
240 VAC	Orange
277 VAC	Yellow
480 VAC	Gray

Ethernet from NexLight Standard Panel
(Either R Series or D Series) or Custom Main Panel

Ethernet from Building Management System

120/277VAC Connection for Power Supply;
Reference above table for the correct wiring

NEXLIGHT