NX DISTRIBUTED™ INTELLIGENCE

NETWORK

Project Name

Catalog No. Date

The NX Series Network Lighting Control Panels are a key component in a NX Network Lighting Control System, providing programmable switching and dimming control of the projects lighting circuits. Panels are equal peers on the network and can have relays and dimmers controlled individually or in groups by any local input, system input, schedule, preset, photocell, or building automation system. Panels can be used exclusively or part of a hybrid system that includes wired room controllers comprising a distributed control strategy. The panels are set up and programmed through a web browser.*

*Requires NXAC-120 Area Controller

Product Features

- Available as 8, 16, 24, 32 or 48 relay spaces
- Individually replicable relays for simple service
- Latching relays with integral override button
- Optional two pole relay, electrically held, non emergency, field installed in single relay position
- Multi-channel 0 - 10V dimming option
- Astronomical real time clock
- Downloadable schedules run in each panel
- Web browser user interface served from NXAC Area Controller
- High speed Ethernet networking
- Programmable dry contact low voltage inputs and outputs
- Direct connection of low voltage switches, occupancy sensors, and daylight sensors
- Programmable digital switches connect via HubbNET™ network
- Listed to UL916, UL924 and cUL
- Suitable for ON/OFF emergency lighting circuits (requires NXR-3LEM relay)
- Five year limited warranty

Compliance and Certification

TITLE 24 COMPLIANCE

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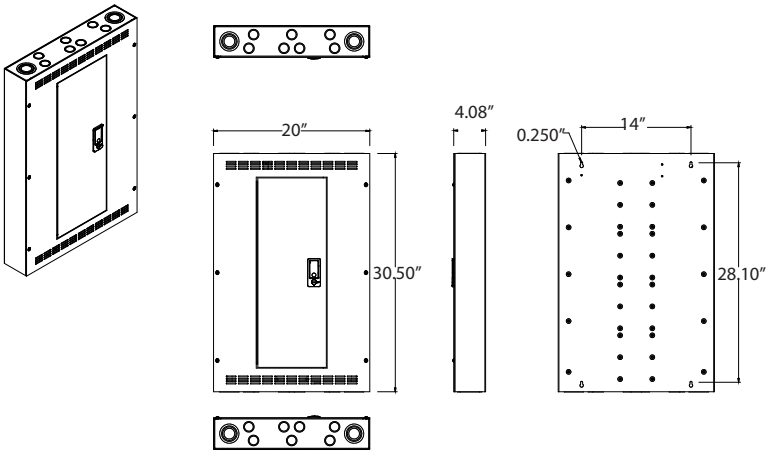
Dimensional Data



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Ordering Information

NX PANELS FULLY POPULATED	
NXP08-2[1] -083L-S[2]	8 Spaces, 8 Single pole latching relays, 120/277/347VAC, Surface Mount
NXP16-2[1]-163L-S[2]	16 Spaces, 16 Single pole latching relays, 120/277/347VAC, Surface Mount
NXP24-2[1]-243L-S[2]	24 Spaces, 24 Single pole latching relays, 120/277/347VAC, Surface Mount
NXP32-2[1]-323L-S[2]	32 Spaces, 32 Single pole latching relays, 120/277/347VAC, Surface Mount
NXP48-2[1]-483L-S[2]	48 Spaces, 48 Single pole latching relays, 120/277/347VAC, Surface Mount

NX PANELS WITH SPACE FOR EXPANSION	
NXP08-2[1] -043L-S[2]	8 Spaces, 4 Single pole latching relays, 120/277/347VAC, Surface Mount
NXP16-2[1]-083L-S[2]	16 Spaces, 8 Single pole latching relays, 120/277/347VAC, Surface Mount
NXP24-2[1]-163L-S[2]	24 Spaces, 16 Single pole latching relays, 120/277/347VAC, Surface Mount
NXP32-2[1]-243L-S[2]	32 Spaces, 24 Single pole latching relays, 120/277/347VAC, Surface Mount
NXP48-2[1]-323L-S[2]	48 Spaces, 32 Single pole latching relays, 120/277/347VAC, Surface Mount

NX PANELS RELAYS NOT POPULATED	
NXP08-2[1] -00SP-S[2]	8 Spaces, no relays, 120/277/347VAC, Surface Mount
NXP16-2[1]-00SP-S[2]	16 Spaces, no relays, 120/277/347VAC, Surface Mount
NXP24-2[1]-00SP-S[2]	24 Spaces, no relays, 120/277/347VAC, Surface Mount
NXP32-2[1]00SP-S[2]	32 Spaces, no relays, 120/277/347VAC, Surface Mount
NXP48-2[1]-00SP-S[2]	48 Spaces, no relays, 120/277/347VAC, Surface Mount

Panel notes:
[1] Input voltage 2 = 120, 277VAC input power; Input voltage 3 = 347-480VAC
[2] Flush mount covers are available (See FLUSH COVERS section below)

Accessory Parts List

Flush Covers (Ordered separately, field installed)

MODEL	
NXP8-FCVR	Flush cover for NXP-8 relay panel
NXP1624-FCVR	Flush cover for NXP-16 and/or 24 relay panel
NXP32-FCVR	Flush cover for NXP-32 relay panel
NXP48-FCVR	Flush cover for NXP-48 relay panel

NX Relays

MODEL	TYPE	DESCRIPTION
NXR	**3L**	1-Pole Latching 20A @120VAC-Tungsten; 16A @120/277VAC-Elect. Ballast; 30A @120/277VAC-Mag. Ballast; 20A @347VAC-Elect. Ballast; 18K SCCR @347VAC
	3LEM	1-Pole, Latching 20A @120VAC-Tungsten; 16A @120/277VAC-Elect. Ballast; 30A @120/277VAC-Mag. Ballast; 20A @347VAC-Elect. Ballast; 20A @347VAC-Mag. Ballast; 5K SCCR @347VAC
	TN*	2-Pole, Elect. Held N.O. 20A @208/240/480VAC Mag. Ballast; 14K SCCR @480VAC
	TC*	2-Pole, Elect. Held N.O. 20A @208/240/480VAC Mag. Ballast; 14K SCCR @480VAC

NOTE: * 2-Pole relays take the same amount of space as 1-Pole relay

Optional 0-10V Dimming Interface Card

MODEL	DESCRIPTION
NXP-DIM8	NX Panel, 8 channel Dimming Controller Option Board 0-10V dimming channel outputs, 100mA per dimming channel ***NOTE: Dimming Card Install Limits***
NXP08	1 Card, 8 dimming channels
NXP16	1 Card, 8 dimming channels
NXP24	2 Cards , 16 dimming channels
NXP32	3 cards, 24 dimming channels
NXP48	4 cards, 32 dimming channels

Optional Relay Channel Barrier

MODEL	DESCRIPTION
NXPBAR	Relay channel barriers for NXP series lighting control pane, set of two (2)

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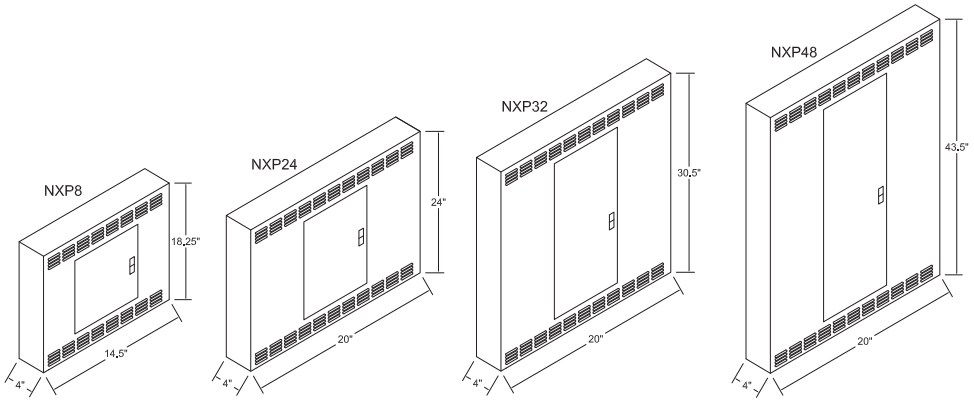
Wiring Information



General Specifications

Network Interface	Ethernet 10 base-T via HubbNET™ network cabel, integral 2-port Ethernet hub
Programming and Configuration	Programmable via web browser user interface, requires NXAC Area Controller
Panel Enclosure	NEMA 1 surface mount enclosure; Pre-drilled mounting holes for mounting to wall; Knockouts on top and bottom for low voltage and line voltage feeds; Panels have hinged locking door
Panel Dimensions	NXP-8 18.25" H x 14.5" W x 4" D (463.55mm H x 368.3mm W x 101.6mm D) NXP-16/24 24" H x 20" W x 4" D (609.6mm H x 508mm W x 101.6mm D) NXP-32 30.5" H x 20" W x 4" D (774.7mm H x 508mm W x 101.6mm D) NXP-48 43.5" H x 20" W x 4" D (1104.9mm H x 508mm W x 101.6mm D)
Electrical Input Voltages	2-Version 120, 277VAC, (50/60Hz) 3-Version 347-480VAC, (50/60Hz)
Relay Operating Voltages	NXR-3L 120/277/347VAC (50/60Hz) NXR-3LEM 120/277/347VAC (50/60Hz) NXR-TN 208/240/480VAC (50/60Hz) NXR-TC 208/240/480VAC (50/60Hz)
Class 2 I/O output rating	24VDC, 150mA (max. 900mA)
Class 2 I/O terminal tolerance	Wire size 14, 16, 18, 20, 22 AWG Recommended Tightening Torque: 0.45 N-m (4 in-lbs.)
Operating environment	Indoor use only 32° - 112°F (0° - 50°C) Relative humidity (non-condensing): 10% - 90%
Inrush withstand	500A @ 2ms (NXR-3LEM only)
Relay Mounting	Mounts inside a NXP series panel Pre-drilled mounting hole for securing relay card Individual relay cards - 1P and 2P are equal size
Safety Standards	UL 916, CAN/CSA C22.2 No.205 UL 924, CAN/CSA C22.2 No. 141 Emergency Lighting (NXR-3LEM)
Warranty	5 year limited

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