

Comparison of Lighting Control Panel Solutions

	Product Family	NXP2 Series	NXP Series (To Be Discontinued - Q2, 2021)	LX Panel (Discontinued)	CX Panel
Architecture	Standalone or Networked Panel	Standalone/Networked	Networked	Standalone/Networked	Standalone
	Fully Distributed Architecture Requiring No Central Hub or Gateway	YES	YES	YES	-
	Distributed Network Protocol	HubbNET™	HubbNET	LON	-
	Programmable via Bluetooth® App	YES	-	-	-
Programming	Programming/Commissioning User Interface(s)	Bluetooth Phone/Tablet, Web-Based - Via NX Area Controller	Web-Based - Via NX Area Controller	Portable LCD Touchscreen Tablet	LCD User Interface with Keypad
	Astronomical and Real Time Clock for Scheduling	YES	YES	YES	YES
	Internal Time Clock / Schedules In Connected Devices (External Time Clock Not Required)	YES	YES	YES	-
	Active / Inactive Time Scheduling for System Inputs	YES	YES	YES	YES
Electrical	BACNet™ Interface	YES via NX Area Controller	YES via NX Area Controller	YES	-
	Support for Smart Digital Sensors and Smart Switches	YES	YES	YES	YES - Limited to CX Switches Only
	Visual Real Time Occupancy Sensor Status/Activity	YES	-	-	-
	Integrated RJ45 Ports for Direct Connection of Digital System Devices	YES - (4) RJ45 SmartPORTs	YES - (4) Per Dimming Card	NO - 2-Wire Network Connection to Devices	YES - (4) Per Dimming Card / Limited to CX Switches Only
	Integrated Programmable Low Voltage Inputs (With 24VDC Source) for Analog Occupancy Sensors, Photosensors, Switches, Demand/Response Signals	YES - (4) Per Panel	YES - (2) Per Panel Motherboard	NO - Dry Contact Input Module Required	YES - (2) Per Panel Motherboard
	Normally Open/ Normally Closed Dry Contact Outputs	YES - (2) Per Panel	YES - (1) Per Panel Motherboard	-	YES - (1) Per Panel Motherboard
	Multiple Relay Panel Sizes	8, 16, 24, 32, 48	8, 16, 24, 32, 48	4, 8, 16, 32, 48	4, 8, 16, 24
	Mechanically Latching Relays	YES	-	YES	-
	Relay Operating Voltages (Single Pole)	- Magnetic Ballast: 20A@300VAC - Tungsten: 20A@120VAC - Eballast: 16A@277VAC - Motor Rating: 1/2HP@110-125VAC; 1.5HP@220-277VAC	-Magnetic Ballast: 30A@120/277VAC - Tungsten: 20A@120VAC - Eballast: 16A@277VAC - Eballast: 20A@347VAC - Motor Rating: 1HP@120VAC	- Magnetic Ballast: 20A@300VAC - Tungsten: 20A@120VAC - Eballast: 16A@277VAC - Motor Rating: 1/2HP@110-125VAC; 1.5HP@220-277VAC	-Magnetic Ballast: 30A@120/277VAC - Tungsten: 20A@120VAC - Eballast: 16A@277VAC - Eballast: 20A@347VAC - Motor Rating: 1HP@120VAC
	Relay Operating Voltages (Double Pole)	- Magnetic Ballast: 20A@480VAC - Tungsten: 20A@120VAC - Motor Starting: 1/2HP@110-125VAC; 1.5HP@220-277VAC	-Magnetic Ballast: 20A@208/240/480VAC - Motor Rating: 2HP@208/240/480VAC	- Magnetic Ballast: 20A@480VAC - Tungsten: 20A@120VAC - Motor Starting: 1/2HP@110-125VAC; 1.5HP@220-277VAC	-Magnetic Ballast: 20A@208/240/480VAC - Motor Rating: 2HP@208/240/480VAC
	Relay Operations Rating	60,000+ Operations (30,000+ Cycles) @ Full 20A Load	-	60,000+ Operations (30,000+ Cycles) @ Full 20A Load	-
	Relay Short Circuit Current Rating (SCCR)	14,000A @ 277VAC	18,000A @ 277VAC	14,000A @ 277VAC	18,000A @ 277VAC
	Relay Mechanical Ratings	120,000+ Operations (60,000+ Cycles)	-	120,000+ Operations (60,000+ Cycles)	-
	Relay At-A-Glance On/Off Status	YES	YES	YES	YES
	Relay Manual Override Switch (Integral to Relay)	YES	YES	YES	YES
Integrated 0-10V Dimming Channel Per Relay	YES	8-Channel Dimming Card(s) Required	-	8-Channel Dimming Card(s) Required	
Optional UL924 Control of Entire Panel ¹	YES - Factory or Field Installed	Individual UL924 Relays Required	-	Individual UL924 Relays Required	
Installation	Key-Holed Mounting of Panel Enclosure (All Panel Sizes)	YES	YES	-	YES
	Key-Holed Mounting of Panel Interior (All Panel Sizes)	YES	-	-	-
	Key-Holed Mounting of Panel Cover (All Panel Sizes)	YES	-	-	-
	Surface Mount and Flush Mount Enclosure Options	YES	YES	YES	Surface Only
	Easy Single Screw Installation of Panel Circuit Boards	YES	-	-	-
	Hinged Locking Door	YES	YES	YES	YES
	Standard Electrical Knockouts For Line and Low Voltage Feeds	YES	YES	YES	YES
	Simple Cat5/Cat5e/Cat6 Wiring of Panel to Distributed Network	YES	YES	YES	N/A
	Simple Cat5/Cat5e/Cat6 Wiring of Devices to Panel	YES	YES	NO - 2-Wire Network Connection to Devices	YES Per Dimming Card / Limited to CX Switches Only
	Optional Field Installable Voltage Barriers for Normal/Emergency Use	YES	YES	YES	YES
Certifications	Certifications	- UL 916, CAN/CSA C22.2 No. 205 - UL 924, CAN/CSA C22.2 No. 141 Emergency Lighting	- UL 916, CAN/CSA C22.2 No. 205 - UL 924, CAN/CSA C22.2 No. 141 Emergency Lighting (UL924 Relays Required)	cULus 508 Listed	- UL 916, CAN/CSA C22.2 No. 205 - UL 924, CAN/CSA C22.2 No. 141 Emergency Lighting (UL924 Relays Required)
	Warranty	5 Years	5 Years	5 Years	5 Years

¹ Available in Q2-2021