



# LX Series Networked Lighting Controls

## LXBC Breaker Control Panels

12, 18, 30, 42 Breaker/Relays

### KEY FEATURES

- Unique, handheld touch screen graphical user interface (GUI) (Order Separately)
- Robust and reliable 20 and 30 Amp mechanically latching circuit breaker/relays
- Multiple size enclosures available (12, 18, 30, and 42 spaces)
- 100 AMP, 225 AMP or 400 AMP bussing Main Lugs or Main Circuit Breaker
- 120/208V, 3PH, 4W or 277/480V, 3PH, 4W
- Topology-free, polarity-insensitive, 2-wire communication
- LonMark ® certified
- Feature-rich scheduling functions
- 365-day time clock
- Automatic Daylight Savings Time and leap year compensation
- Built-in astronomical time clock for sunrise and sunset programming
- UL listed



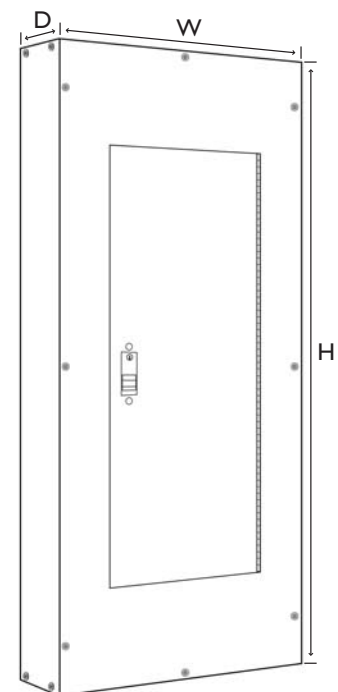
NOTE: Touch Screen Graphic User Interface (GUI) not included. Order Separately.

### OVERVIEW

The LXBC Breaker Control Panel provides the opportunity to combine controlled and non-controlled loads into a single, fully functional branch circuit panel board. The LXBC integrates seamlessly into the LX Lighting Control Network and can be used as a stand-alone LX control panel or combined in a network with other LX and/or LXBC panels.

### DIMENSIONAL INFORMATION

			H	W	D
12 Breaker Panel	100 amp	Main Lugs Only	33"	20"	5.75"
		Main Breaker	36"	20"	5.75"
18 Breaker Panel	100 amp	Main Lugs Only	36"	20"	5.75"
		Main Breaker	42"	20"	5.75"
30 Breaker Panel	100 amp	Main Lugs Only	42"	20"	5.75"
		Main Breaker	48"	20"	5.75"
	225 amp	Main Lugs Only	45"	20"	5.75"
		Main Breaker	51"	20"	5.75"
42 Breaker Panel	225 amp	Main Lugs Only	51"	20"	5.75"
		Main Breaker	57"	20"	5.75"
	400 amp	Main Lugs Only	57"	20"	5.75"
		Main Breaker	69"	20"	5.75"



## SPECIFICATIONS

Programming and configuration	<ul style="list-style-type: none"> <li>• Programmable via the LX Touch Tablet or LX JENEsys™</li> </ul>
Physical	<ul style="list-style-type: none"> <li>• NEMA 1 enclosure, surface or flush mount</li> <li>• KOs provided on top and bottom</li> <li>• 12, 18, 30, and 42 space enclosures with hinged locking door</li> </ul>
Electrical	<ul style="list-style-type: none"> <li>• 120 VAC input control voltage at terminal block</li> <li>• 20 Amp and 30 Amp 1-pole and 2-pole Circuit Breaker/Relays</li> <li>• Non-Control circuit breakers 15A – 60A, 1,2, and 3-pole</li> <li>• 100 AMP, 225 AMP or 400 AMP Lugs Only or Main Circuit Breaker, CU/AL Lugs Bottom Feed only, Top Feed is not available.</li> <li>• 120/208V, 3PH, 4W or 277/480V, 3PH, 4W system voltage, 14KAIC @277/480V, 65KAIC Series Rated with main CB</li> </ul>
Operating environment for NEMA 1 rated equipment	<ul style="list-style-type: none"> <li>• Location: interior space</li> <li>• Operating temperature: 0°–50° C (32°–112° F)</li> <li>• Relative humidity (non-condensing): 10%–90%</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>• UL listed (UL 916)</li> <li>• LonMark 3.3 Certified</li> </ul>
Warranty	<ul style="list-style-type: none"> <li>• Five years</li> </ul>

## ORDERING INFORMATION

### LXBC Breaker/Control Panel Catalog Logic

LXBC			B		H	
MODEL	SYSTEM VOLTAGE	MAINS	FEED	BREAKER RELAY SPACES	COMMUNICATIONS	ENCLOSURE
LXBC LX Breaker Control Panel	1 120/208, 3 Phase, 4 Wire 2 277/480, 3 Phase, 4 Wire	1L 100 Amp Main Lugs Only 1C 100 Amp Main Circuit Breaker 2L 225 Amp Main Lugs Only 2C 225 Amp Main Circuit Breaker 4L 400 Amp Main Lugs Only 4C 400 Amp Main Circuit Breaker	B Bottom Feed Only (Top Feed is not available)	12 12 Spaces 18 18 Spaces 30 30 Spaces 42 42 Spaces NOTE: 42 space is available in 225A and 400A main size only.	H HBA LX-Lon	1S NEMA 1 Surface 1F NEMA 1 Flush

Example: Panel, Controlled Circuit Breaker/Relays, and Non-Controlled Breakers must be ordered as separate line items:

1 ea LXBC11CB30H1S  
 100A Main Circuit Breaker, 120/208V, 3 Phase, 4 wire, 30 Space, NEMA 1 Surface, Bottom Feed, CU/AL Lugs

18 ea LXBR120C – 20A, 1P, Controlled Circuit Breaker/Relays (18 ea)

12 ea LXBR120N – 20A, 1P, Non-Controlled Circuit breakers (12 ea)



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