



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 and 225 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
- 2-year warranty



LONMARK^{3.3}

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

OVERVIEW

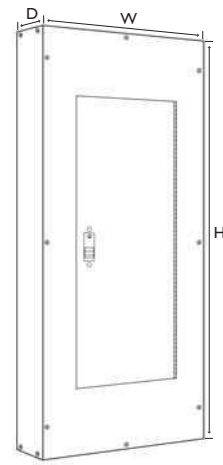
The LXBC Breaker Control Panel provides the opportunity to combine controlled and non-controlled loads into a single fully functional branch circuit panel board. The LXBC integrates seamlessly into the LX Lighting Control Network and can be used as a stand-alone LX control panel or combined in a network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

FEATURES and BENEFITS

Feature	Benefits
Unique, handheld, portable touch screen tablet with graphical user interface (GUI) (Order Separately)	• Easy configuration and management of lighting control system
Robust and reliable 20 Amp and 30 Amp mechanically 1-pole and 2-pole latching Circuit breaker/relays	• Fully rated for control of 20 Amp and 30 Amp lighting circuits • Non-Control circuit breakers 15A – 60A, 1,2, and 3-pole
Topology-free, polarity-insensitive, 2-wire communication	• Topology-free: connected devices can be run in virtually any topology or mixed (including Star and T configurations) • Polarity-insensitive: connected devices are not sensitive to polarity. This enables contractors to easily install and wire without regard to polarity • 2-wire communication: all network communications take place over an easy-to-install 2-wire network
Multiple scheduling options—normal time, astro time, open and close time, and hours of operation	• Easily created schedules for specific business needs • Quick alteration of multiple schedules with a simple edit of open and close times • Easy implementation of after-hours OFF sweeps
Automatic Daylight Savings Time adjustment (configurable)	• Automatic updates of all schedules for Daylight Savings Time changes
Astronomical time clock	• Automatic calculation of sunrise and sunset times based on date and geographical position

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"



SPECIFICATIONS

Programming and configuration

Physical

Electrical

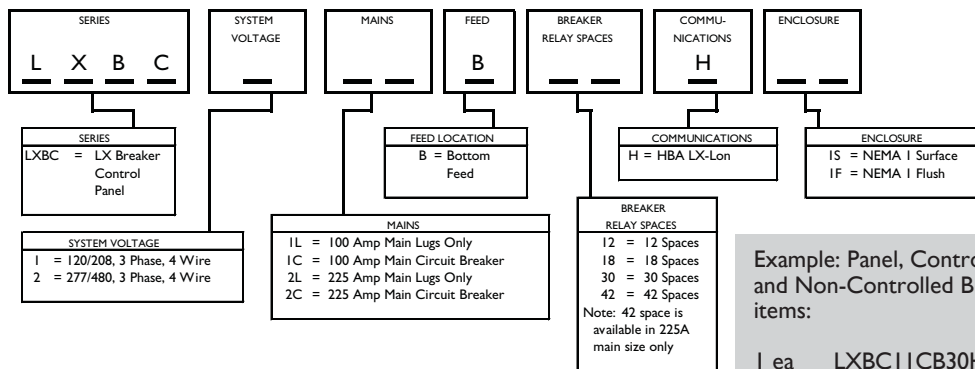
Operating environment for NEMA I rated equipment

Certifications

- Programmable via the LX Touch Tablet or LX JENEsys™
- NEMA I enclosure, surface or flush mount
- KO's provided on top and bottom
- 12, 18, 30, and 42 space enclosures with hinged locking door
- 120 VAC input control voltage at terminal block
- 20 Amp and 30 Amp 1-pole and 2-pole Circuit Breaker/Relays
- Non-Control circuit breakers 15A – 60A, 1,2, and 3-pole
- 100Amp or 225Amp Lugs Only or Main Circuit Breaker, CU/AL Lugs Bottom Feed standard
- 120/208V, 3PH, 4W or 277/480V, 3PH, 4W system voltage, 14KAIC @277/480V, 65KAIC Series Rated
- Location: interior space
- Operating temperature: 0°–50° C (32°–112° F)
- Relative humidity (non-condensing): 10%–90%
- UL listed (UL 916)
- LonMark 3.3 Certified

HOW TO ORDER

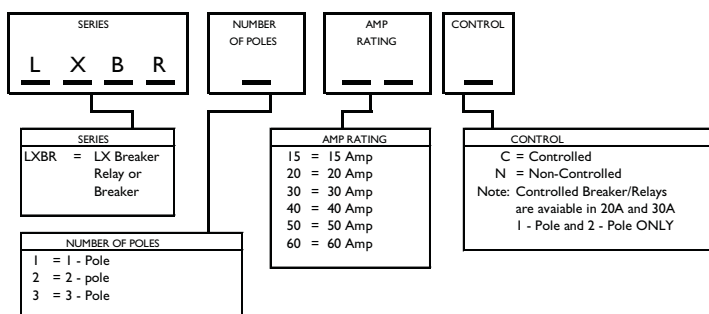
LXBC Breaker/Control Panel Catalog Logic



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

- 1 ea LXBC1ICB30H1S
100A Main Circuit Breaker, 120/208V, 3 Phase, 4 wire, 30 Space, NEMA I 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)

LXBR Breaker/Relay Catalog Logic



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