



**HBA LXBC Breaker Control Panel FAQ's**

**Q. What is the HBA LXBC Breaker Control Panel?**

A. The LXBC is a lighting control panel that includes combination circuit breaker relays that provide both circuit overcurrent protection and programmable network control of lighting branch circuits.

**Q. What service voltages and bus sizes are available?**

A. The panels are available in 120/208VAC, 3-phase, 4-wire or 277/480VAC, 3-phase, 4-wire versions. The standard bus sizes are 100 amp and 225 amp rated. Consult the LXBC Cut Sheet for standard sizes. Custom service voltages and bus sizes are available by special order with extended lead times.

**Q. What are the amp ratings for the Controlled Circuit Breaker Relays?**

A. LXBR series controlled circuit breaker relays are rated at 20 amps and 30 amps in 1-pole or 2-pole configurations. The device is a circuit breaker with a latching relay in series mounted in a single molded case enclosure.

**Q. Are Non-controlled Circuit Breakers available?**

A. Yes. LXBR series non-controlled circuit breakers are available in 15, 20, 30, 40, 50, and 60 amps rating in 1-pole, 2-pole or 3-pole configurations.

**Q. What circuit space capacity sizes are available?**

A. The panels are available in 12, 18, 30 and 42 circuit space capacity versions. Each space represents a single pole. Single pole devices occupy one space, double pole devices occupy two spaces and 3-pole devices occupy three spaces. Consult the LXBC cut sheet for standard size combinations. Custom service voltages and bus sizes are available by special order with extended lead times.

**Q. What enclosure options are available?**

A. The LXBC Panels are available in NEMA 1 surface and flush style enclosures. The housings are built for bottom feed standard and include CU/AL main lugs or main circuit breaker option. Custom enclosure types and feed location configurations are available by special order with extended lead times.

**Q. Can LXBC Breaker Control Panels be used on the same project with LX Relay Panels?**

A. Yes, The LXBC Panels are fully integrated and reverse compatible with the LX Lighting Control System. The system will see the LXBC as a relay panel and will allow all of the programming features that are available for the LX System. Any combination of LXBC Panels and LX Relay Panels can be used.

**Q. How are LXBC Panel quotations created?**

A. The pricing guide includes unit pricing for configured base LXBC Panels without overcurrent devices, LXBR Controlled Circuit Breaker Relays and Non-controlled Circuit Breakers. Each LXBC Panel is comprised of a base panel combined with the total number of Controlled and Non-controlled overcurrent devices required. Single pole devices occupy one space, double pole devices occupy two spaces and 3-pole devices occupy three spaces. Quotations should be created panel-by-panel including devices needed in each similar to the following example:

| Panel Name | Quantity | Catalog Number | Description   |
|------------|----------|----------------|---|
| LCP1       | 1        | LXBC11CB30H1S  | 100A Main Circuit Breaker, 120/208 volt, 3 phase, 4 wire, 30 Space, NEMA 1 Surface, Bottom Feed, CU/AL Lugs |
|            | 18       | LXBR120C       | 20A, 1P, Controlled Circuit Breaker/Relays (18 ea)  |
|            | 12       | LXBR120N       | 20A, 1P, Non-Controlled Circuit breakers (12 ea)  |
| LCP2       | 1        | LXBC12LB42H1S  | 225A Main Lugs Only, 120/208 volt, 3 phase, 4 wire, 42 Space, NEMA 1 Surface, Bottom Feed, CU/AL Lugs       |
|            | 42       | LXBR120C       | 20A, 1P, Controlled Circuit Breaker/Relays (18 ea)  |

Note: LXTB Tablet is not included and must be ordered separately



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**Q. Can an LXBC Breaker Control Panel include both Controlled and Non-controlled devices?**

A. Yes, The LXBC Panels can have any combination of Controlled and Non-controlled devices. Devices can be placed in any location and order, but it is preferred to have the Controlled Breaker Relays together starting at circuit position one for ease of programming.

**Q. What is the Short Circuit Current (AIC) rating for these panels and devices?**

A. The LXBC Series panels and devices are rated at 14,000 AIC and series rated at 65,000 AIC to 277VAC single pole and 480VAC two and three pole.

**Q. Are LXBC Panels available on [www.hbacontrols.com](http://www.hbacontrols.com)?**

A. Not at this time: We are in the process of adding the LXBC Panels and devices to hbacontrols. We will have a tool similar to the LX Panel window that will allow the assembly of each panel and its devices. This tool will not allow for incorrect combinations of components. We expect this project to be complete within 90 days and will send an announcement when hbacontrols is updated.

**Q. What is the lead-time for LXBC Panels?**

A. Currently the lead-time is 10 working days for orders with a total of 10 panels or less. The order could have a combination of LXBC Panels and LX Relay Panels in which the total of 10 panels or less would apply to the combination of both types. For orders greater than 10 total panels of any type please contact customer service for a quoted lead-time.

**Q. How do you order the LXBC Breaker Control Panels?**

A. See product cut sheet for ordering information.