



Auxiliary Power

Generator Products

BLCD-20X2



Project: _____
Type: _____
Model No: _____ Qty: _____
Date: _____
Notes: _____

Automatic Load Control Relay Maximum Lighting Load of 20A Universal Input

Product order number: BLCD20X2

Specifications

UL Listed for US and Canada

UL924 Emergency Lighting Compliant
Field Installation
(Indoor and Damp)

Full Warranty

5 Years (NOT pro-rata)

Universal Input Voltage

120 Through 277 VAC, 50/60 Hz

AC Input Current

95 mA
(Sensing Circuit Only)

AC Input Power Rating

9.0 Watts
(Sensing Circuit Only)

Approved Lighting Loads

Any Type

Lighting Load Rating

20 A Maximum

Temperature Rating (Ambient)

-20°C to +55°C (-4°F to +131°F)

Dimensions

9" x 6" x 3.5" (229 mm x 152 mm x 89 mm)
Mounting 8.5" x 2.5" (216 mm x 63.5 mm)

Weight

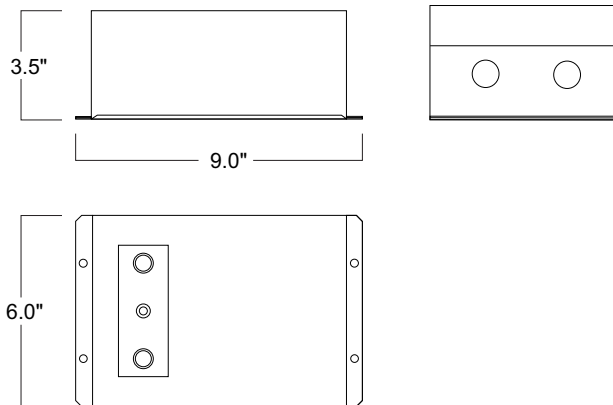
5 lbs. (2.3 kg)

Benefits:

- Generator supplied emergency lighting regardless of wall switch position
- Energy cost savings benefits by eliminating constant night lighting
- Can bypass a dimming panel

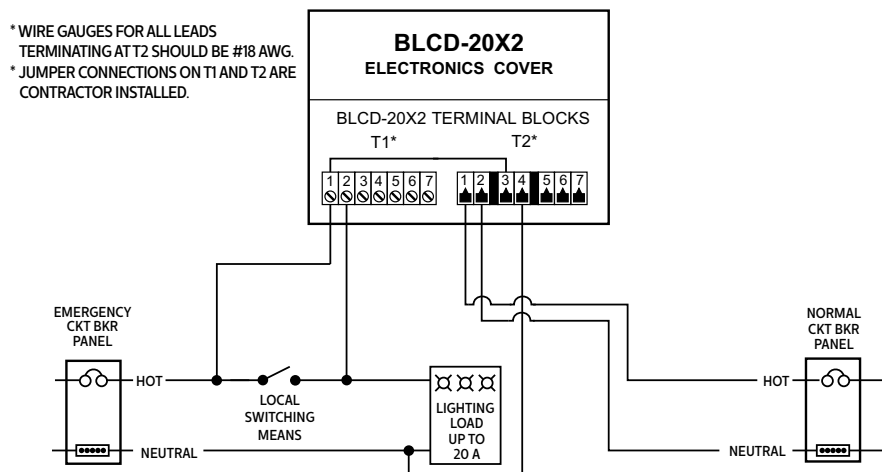
Dimensions

9.0" x 6.0" x 3.5"



BLCD-20X2

Automatic Load Control Relay



APPLICATION

The BLCD-20X2 works in conjunction with an auxiliary generator or central inverter system to power designated lighting loads up to 20 amps regardless of local switch position. The device consists of relay switching circuitry in a single, wall-mountable enclosure (T-bar mounting kit optional). The BLCD-20X2 senses the loss of normal power and, in response, switches the lighting load to a designated alternate power source. The device can be used to: (1) bypass a wall switch to allow generator- or central inverter system-supplied lighting loads to energize when normal power is lost; (2) bypass a dimming panel and prevent backfeed to allow lighting to energize at full brightness when normal power is lost; and (3) bypass most dimming controls using an auxiliary relay contact. The BLCD-20X2 includes three dry form C contacts, which allows the user a wide variety of wiring options. For additional applications and information, contact the factory. The BLCD-20X2 is suitable for use in indoor and damp locations.

OPERATION

The BLCD-20X2 senses the loss of normal power and switches the lighting load, connecting it to a user-designated standby circuit. No routine maintenance is required to keep the BLCD-20X2 functional; however, like other life safety unit equipment, it should be checked periodically to ensure that it is working properly.

INSTALLATION

The BLCD-20X2 does not affect normal fixture operation and comes fully assembled for immediate installation. In addition to available wiring, the device requires a direct, unswitched connection to a normal power circuit and, depending on the application, an unswitched connection to a generator-supplied or central inverter system-supplied standby panel. See diagram A for typical installation.

UL and CODE COMPLIANCE

The BLCD-20X2 has been tested by Underwriters Laboratories in accordance with the standards set forth in UL 924, "Emergency Lighting and Power Equipment." The BLCD-20X2 is UL Listed for field installation.

SPECIFICATION

Standby lighting shall be provided by using existing lighting loads equipped with a Philips Bodine BLCD-20X2 lighting relay control device. The device shall be capable of bypassing the local switching means when normal utility power has been lost. The device shall consist of relay switching circuitry, a test switch, a normal power indicator light and an alternate power indicator light contained in one 9" x 6" x 3.5" enclosure; shall sense normal power at 120 through 277 VAC, 50/60 Hz; shall be rated for 120 through 277 VAC, 50/60 Hz at up to 20 amps of lighting load; shall draw 95 mA and 9.0 Watts during normal sensing operation; and shall comply with the current NEC. The device shall be UL Listed for field installation in indoor or damp locations.

WARRANTY

WARRANTY

The BLCD-20X2 generator transfer device is warranted for five (5) full years from date of purchase. Please see detailed warranty information on our web site.

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Philips Emergency Lighting
236 Mt. Pleasant Rd.
Collierville, TN 38017
Tech Support: 888.263.4638
Sales: 800.223.5728

Document order number: L2300241 15.07

philips.com/bodine