

Description:

The BLTC v3 is an emergency lighting transfer and shunt device. It is designed to allow switching and dimming of designated emergency lighting fixtures. The BLTC v3 contains digital circuitry to safely bypass and shunt local and system dimmers and multi-level switches and relays in the event of a power failure thus providing the emergency lighting power access to alternate power systems such as generators and central inverters.

During the transfer from either normal to emergency or from emergency to normal this unit automatically disconnects the current power supply, delays one second and then connects the opposite power supply as required by UL 924 standard dated 1/13/2009.

Features:

Each unit will accommodate most:

- 2 wire line voltage dimmers — line in, dimmed line out)
- 3 wire line voltage dimmers — line in, switched line and dimmed line out
- 4 wire low voltage and digital controlled dimmers — (line in, switched line out + 2 lv control)

See wiring diagrams on back side of this cut sheet.

(Check with factory on specific applications)

Unit recess mounts into the ceiling using a standard 4 11/16 square by 6" deep junction box included.

Faceplate is off-white. 4 mounting screws are included and are painted to match.

Components are permanently sealed and potted to provide safety and to cool components for longer product life.

Electrical:

Unit carries a full 16 amp (1920w @ 120v and 4432w @ 277v) rating for incandescent, halogen, fluorescent - magnetic and electronic ballasts, and LED lighting power supplies.

Dual voltage rated for 120v or 277v

Operating Temperature: -20°F to 130°F

Normal and emergency power do not have to be of the same phase.

3 separate LED status indicators (NEC 700-7).

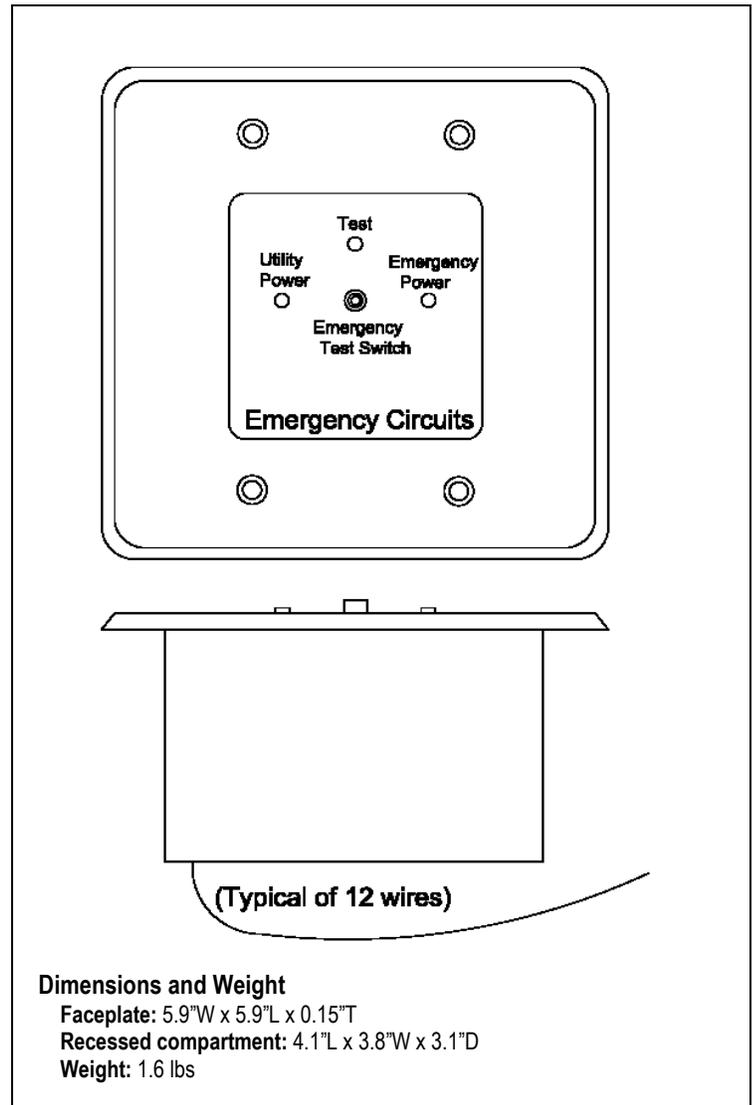
Exposed test switch for local inspection. (NEC 700-4)

Meets requirement of NEC 700-B,C

UL 924 listed, dated February 25, 2010.

Warranty: Limited 3 year product replacement warranty.

Specification-Grade Emergency Lighting Control For Dimming and Multi-level Switching



Fire Alarm and Security System Interface option:

In the event of an emergency condition (fire, storm, security breach, etc.) or alarm testing, the "FAI-120" and "FAI-277" option causes the BLTCv3 units to illuminate the emergency lighting through the opening of a N.C. 24V contact in the building fire alarm or security system. The BLTCv3 will energize the emergency lighting fixtures during a loss of normal power no matter what the state of the fire alarm or security system. Requires (2) 18ga LV wires to the nearest fire alarm panel where the N.C. 24v contacts are located. Each "FAI" has a current draw of 40ma. Wiring diagrams provided on separate cut sheet.

Control Block Diagrams

Contact Nine 24 Inc. for DXF file

info@924inc.com or (502) 301-7106

