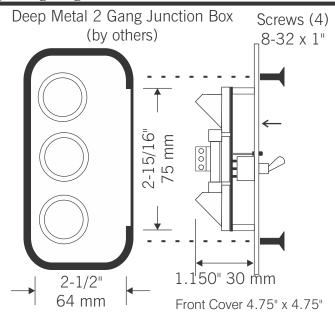
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PROTOCOL
Data Bus connection board Page 1





General Description

The **DB44** low voltage network power and data distribution panel **provides a convenient way to interconnect different home runs of the system** network bus and also provides a direct connection for the **RAU-96** on its front panel. **Power from an external Class 2 Power Supply provides 12 VDC to all wall control stations of the system through the DB44**. A fast-blow fuse mounted on the circuit board provides an additional short circuit protection. The **toggle switch** on the front panel is **used to power down and/or reset the wall stations** and the RAU-96. Two LED's are also provided on the front panel to indicate power status.

120 mm x 120 mm

The PD Series dimmer pack control boards do not draw power from the stations' network 12 VDC Power Supply. Each dimmer pack has an integral transformer used to power its individual control board.

Main Features

- . Convenient Network Bus Splicing.
- . Replaces Wire-Nut and Crimp-type Splicing Methods.
- . Compact Size.
- . Network Power Short-Circuit Protection.

Inside Clearance

- . Screw Terminal and Detachable Connections.
- . Network Power Interrupt Switch.
- . LED Power Monitors.
- . Convenient RAU-96 & PDxxx RJ45 plugs.

Mounting requirements

- ! The **DB44** low voltage power and distribution panel mounts in a double gang junction box.
- ! Junction box must have a minimum depth of 2-1/2" and a minimum inside height of 2-15/16" to allow clearance for printed circuit board. (See above illustration.)
- ! Use Grounded metal boxes only.
- ! Junction boxes to be supplied by others.

Wiring Notes

- K All wiring between the control stations, load drivers, and other system accessories (network bus) is low voltage (NEMA Class 2) and may be run with two twisted pair # 18 AWG wire. Refer to Protocol Installation Manual, Appendix E, for maximum wire length
 - L Do not run Network Bus cable in the same conduit with nonclass 2 circuits.
- L Network Bus wire may be run in any combination of daisy chain (T-tap), home run, star, and/or branch.
- L Installation must conform to local and/or NEC code requirements.
- L Refer to Protocol Installation Manual for more instructions.

Ordering Information

- 0 Panel Part Number: **DB44**
- 0 Power supply is 12 VDC up to 60Watts (class 2)

Physical and Electrical Specifications

Front Plate: 0.065" Aluminum (1.65 mm)

Dimensions: See Drawing Above.
Weight: 0.5 lbs. (.25 Kg.)

Power Supply: Class 2, 12 VDC 1-5 Amps

Fuse Rating: Max 5 A Fast Blow, AGC3 or equivalent.

Network Ports: 2 RJ45 jacks on front panel 4 0.1" c-c, 8 Position, Male Headers (J1-J4).

4 0.2" c-c, 5-Position Screw Terminal Blocks (TB1-TB4).

Power input: One 0.2" c-c, 3-Position Screw Terminal Block TB5

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PROTOCOL Data Bus connection board Page 2

