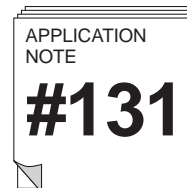


LUTRON®

For Your Information ...



Power Panels in Outdoor Applications

Overview

Lutron Power Panels are designed for indoor use and are constructed as NEMA Type 1 Enclosures. A NEMA Type 1 Enclosure is defined as: constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment and to provide a degree of protection against falling dirt (from NEMA 250-2003).

In certain applications, Lutron Power Panels may require a greater degree of protection against dirt, dust, water, etc. due to their intended mounting location. Lutron Power Panels may be installed in a secondary enclosure with a higher NEMA rating **provided that the following conditions are met:**

- 1) The secondary enclosure is of a suitable NEMA type rating for the intended installation location.
- 2) Lutron requirements for environmental conditions of the Power Panel are maintained.

All Lutron Power Panels **must** be operated within the following environmental conditions:

- 1) Ambient temperature: 32°-104°F (0°- 40°C)
- 2) Non-condensing relative humidity less than 90%

Failure to maintain these conditions may affect the performance and the operating lifetime of the equipment.

Lutron does not supply Power Panels in secondary enclosures with higher NEMA ratings. Manufacturers of NEMA rated enclosures include (but are not limited to):

Hoffman www.hoffmanonline.com
Trident Custom Enclosures www.tridentce.com

Numerous NEMA enclosure ratings are available, each specifying a degree of protection against specific environmental conditions. If a secondary enclosure is required, it must be specified and installed in accordance with the manufacturer's requirements, accounting for the actual environmental conditions to which it will be exposed. The heat dissipation of the Power Panel must also be considered. Consult the appropriate Lutron technical documents for heat dissipation data for Power Panels. **Regardless of the enclosure type, the environmental conditions for Lutron Power Panels (listed above) must always be maintained.**

The information in this application note applies to the United States only.

Worldwide Technical and Sales Assistance

If you need assistance, call the toll-free **Lutron Technical Support Center**. Please provide exact model number when calling. 24 hours/day + 7 days/week (800) 523-9466 (U.S.A. and Canada) Other countries call (610) 282-3800 Visit us on the web at www.lutron.com

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