Technical DLS Series Analog Dimmers

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<tr>
<th>PART No.</th>
<th>DESCRIPTION</th>
<th>SPECIFICATION</th>
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<tr>
<td>DLS-22000-120</td>
<td>2 channel x 2000 W Dimmer or switch pack</td>
<td>Heavy-Duty Outputs, Dims 2 x 16 AMP loads</td>
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<td>DLS-24500-277</td>
<td>Dimmer or switch selection with adjustable Switch level</td>
<td>(2 dimmers x 2000W @120VAC).</td>
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<td>Universal dimmers for LED, Fluorescent, Low-Voltage Transformers</td>
<td>Active DC component protection for inductive loads</td>
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<td>120VAC or 277VAC</td>
<td>Suitable for inductive Loads at Full Rating</td>
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<td>Suitable for dimming Triac dimmable LED &amp; CFL Bulbs</td>
<td>0-10V analog lighting controllers compatible</td>
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Features

- Designed for Architectural dimming from standard 0-10V wall dimmers or controllers
- Use with Dialog WDB-3314

Operation

Enclosure Installation
Surface mount the dimmer pack in a well ventilated area where the ambient temperature does not exceed 104°F for full load operation. Allow 2” of side clearance for proper air circulation and servicing. Installation clearance shall meet local and/or NEC code requirements. Enclosures may be attached to the wall or other mounting surface by holes in the heat sink flanges. Refer to the drawings below [FIGURE 3] for the correct dimensions. Conduit shall be pulled to the top of the dimmer packs.

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Dimensions & Mounting

- Compact Size, 11.75” H x 8.30” W x 4.12” D
- Wall-Mount aluminum enclosure
Figure 3 - DLS-22000 Dimensional Diagram
Features

DLS Series Analog Dimmer

Wiring notes
- Do not exceed 1920W (16 Amps.) per each dimmer @ 120 VAC.
- All wiring from control dimmers is low voltage (NEMA Class 2).
- DLS-22000 dimmer packs may be bed by one or two 20A (maximum)
  Branch circuits and may have up to two separately dimmed loads.
- Both breakers must be on the same power phase.
- CAUTION: DO NOT attempt to parallel outputs to increase capacity.
- Installations must conform to local and/or NEC code requirements.
- Each load must have its own Neutral wire for full load operation.
- All line voltage wires must have copper conductors of adequate Gauge with
  90° wire insulations.
- POWER EACH LOAD DIRECTLY BEFORE CONNECTING IT TO THE DLS-22000
  TO ENSURE PROPER WIRING.

Figure 4 - DLS-22000 Typical Control Wiring

Analog 0-10V Control inputs
Compatible with sinking or sourcing standard 0-10V signals

Optional: Could be controlled directly with a 100 KOHM potentiometer.

Figure 5 - DLS-22000 Typical 120 VAC (for 3 wire dimmable ballasts) Wiring

For Full Load Operation Use:
#12 AWG copper conductor wire for Line & Neutral Feeds.
#14 AWG copper conductors in/out to each load.
Max. Load: 16 Amperees (1920W @ 120 VAC).