General Information

The Unison DRd DALI Option provides control output for up to 24 loops of DALI-compatible fluorescent ballasts. The DALI option provides DALI control in a broadcast mode, maintaining dimming performance and requiring no additional configuration during the dimming enclosure set-up.

Applications
- Houses of Worship
- Hotels
- Convention Centers
- Meeting Rooms
- Schools
- Museums
- Themed Entertainment

Features
- Designed for use in Unison DRd Enclosures
- Compatible with SmartLink and Paradigm Architectural Control Processors
- Support for DALI control of fluorescent ballasts in a broadcast mode
- Up to 64 ballasts may be connected to each loop
- Up to 24 loops of DALI control functionally coupled to the dimmer outputs

General
- UL and cUL Listed
- CE marked

Ordering Information

Unison DRd DALI Option

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRd-DALI</td>
<td>Unison DRd DALI Option Kit</td>
</tr>
</tbody>
</table>

Note: The DRd-DALI option fits inside Unison DRd Rack Enclosures

Unison DRd Rack Enclosures

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRd6</td>
<td>6 Module Rack Enclosure (12 circuits)</td>
</tr>
<tr>
<td>DRd12</td>
<td>12 Module Rack Enclosure (24 circuits)</td>
</tr>
</tbody>
</table>

Note: Unison DRd enclosures are available in 100-120 Volt, 230 Volt 240 Volt and 277 Volt configurations

Compatible Control Processors

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-ACP</td>
<td>Unison SmartLink Architectural Control Processor</td>
</tr>
<tr>
<td>P-ACP</td>
<td>Unison Paradigm Architectural Control Processor</td>
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</tbody>
</table>
## Specifications

### General
- UL and cUL Listed
- CE Marked

### Functional
- Provides broadcast DALI level commands for individual loop control
- Number of available outputs dependant on Rack Enclosure
  - Support for up to 24 individual outputs when used in a DRd12 Rack Enclosure
  - Support for up to 12 individual outputs when used in a DRd6 Rack Enclosure
- Outputs functionally coupled one-to-one with the power outputs
- Communication over DALI in broadcast mode controlling all ballasts on a connected loop simultaneously
- External DALI power supply required for each DALI loop (Provided by Others)

### Mechanical
- Designed to mount inside of Unison DRd dimming enclosures
- Wiring connections made using removable screw terminal connections

### Electrical
- All outputs connections are optically isolated and polarity insensitive
- Supports up to 64 DALI ballasts plus one DALI power supply per loop
- Class 1 or Class 2 DALI wiring supported
- Terminals provided for all wiring connections
- Supports 12-18 AWG DALI loop wiring
- Maximum wire length dependant on wire size limitation determined in DALI protocol
  - 18 AWG - 570 ft
  - 16 AWG - 900 ft
  - 14 AWG - 1430 ft
  - 12 AWG - 2280 ft

### Thermal
- Ambient room temperature: 0-40°C / 32-104°F
- Ambient humidity: 30-90% non-condensing

## Physical

### Unison DRd DALI Dimensions*

<table>
<thead>
<tr>
<th>MODEL</th>
<th>HEIGHT</th>
<th>WIDTH</th>
<th>DEPTH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>inches</td>
<td>mm</td>
<td>inches</td>
</tr>
<tr>
<td>DRd-DALI</td>
<td>0.75</td>
<td>19.1</td>
<td>2.65</td>
</tr>
<tr>
<td></td>
<td>4.05</td>
<td>102.9</td>
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</table>

### Unison DRd DALI Weights*

<table>
<thead>
<tr>
<th>MODEL</th>
<th>WEIGHT</th>
<th>SHIPPING WEIGHT</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>lbs</td>
<td>kgs</td>
</tr>
<tr>
<td></td>
<td>lbs</td>
<td>kgs</td>
</tr>
<tr>
<td>DRd-DALI</td>
<td>0.71</td>
<td>0.32</td>
</tr>
<tr>
<td></td>
<td>2.1</td>
<td>0.95</td>
</tr>
</tbody>
</table>

*Weights and dimensions typical