General Information

The Standard Dimmer Module is designed for use in Unison Dimming Series Enclosures. Standard Dimmer Modules provide cost-effective digital forward phase angle dimming for standard loads such as incandescent, low voltage, quartz, neon, cold-cathode and 2 and 4-wire fluorescent ballasts. The patented, high-density, dual modules feature modular installation and removal, fully magnetic circuit breakers and standard or enhanced risetime toroidal filters.

Applications

- Designed for use in 240V Unison DRd rack enclosures
- Incandescent lighting
- Low voltage lighting
- Quartz lighting
- Neon lighting
- Cold Cathode lighting
- 2-wire Fluorescent ballast
- 4-wire Fluorescent ballast (with FLO Option Board)
- DALI ballast (with DALI Option Board)

Features

- Two 15A, 3.6kW dimmers per module
- Standard risetime toroidal filters
- High-density modular assembly
- Die-cast aluminum chassis
- Fully magnetic circuit breakers

General

- 65,000A Short Circuit Current Rating (SCCR)
- UL and cUL LISTED

Ordering Information

240 Volt Standard Dimmer Modules

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>HD15</td>
<td>Dual 15A Dimmer Module, 240V</td>
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Compatible Systems*

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
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<tr>
<td>DRd6-12-240</td>
<td>240V 6 module rack enclosure (12 circuits)</td>
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<tr>
<td>DRd12-24-240</td>
<td>240V 12 module rack enclosure (24 circuits)</td>
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*Rack enclosures also available for 100-120, 230 and 277 Volt applications.
SPECIFICATIONS

GENERAL
- UL and cUL Listed for continuous duty at 100% of rated load
  - HD15 – 3.6kW

PHYSICAL
- Modular plug-in assemblies
- Cast aluminum chassis, finished with textured epoxy paint

CIRCUIT BREAKERS
- Fully magnetic to eliminate nuisance tripping
- 20x inrush current rating
- 125%, 10-120 seconds, must-trip rating
- Rated for 100% switching duty applications

ELECTRICAL RATINGS
- 65,000A Short Circuit Current Rating (SCCR)
- Modules withstand hot-patching of cold loads up to full rating
- UL and cUL LISTED

POWER DEVICE
- Sealed, patented assembly
- Field replaceable with screwdriver
- Two back-to-back SCRs per circuit
- One control LED per circuit
- 4000V isolation between control and power components
- Integral bonded heatsink
- Integral temperature sensor

FILTERING
- High quality toroidal filters
  - 165μS risetime*

*Risetime measured at full load, at worst case firing angle (90 degrees), from 10-90% of output wave form

DIMMER RANGE
- Incandescent, low voltage dimming range 100-0%
- Dimming range of 2 and 4-wire fluorescent ballast is dependent on lamp ballast combination. Contact ETC for range verification
- Sizing of Neon transformer used in dimming applications should be 1.5x greater than size used in non-dimming application

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