General Information

The Constant Current Module is a dual, plug-in assembly for use in Unison Dimming Series rack enclosures. The Constant Current module distributes power with overcurrent protection from the dimmer rack enclosure to non-dimmed loads, typically motors, backup and emergency systems or auxiliary power distribution panels.

Applications
- Designed for use in 240V Unison DRd rack enclosures
- Motors
- Backup and Emergency systems
- Auxiliary power distribution panels
- Does not respond to control signals

Features
- Two circuits per module
- 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 Constant Current Module

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCC15</td>
<td>Dual 15A Constant Current Module, 240V</td>
</tr>
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</table>

Compatible Systems*

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRd6-12-240</td>
<td>240V 6 module rack enclosure (12 circuits)</td>
</tr>
<tr>
<td>DRd12-24-240</td>
<td>240V 12 module rack enclosure (24 circuits)</td>
</tr>
</tbody>
</table>

*Rack enclosures also available for 100-120, 230CE and 277 Volt applications
**ETC**

**Unison® 240V Constant Current Module**

**Special Purpose Series**

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**SPECIFICATIONS**

**GENERAL**
- Dual density, plug-in modules, for use in Unison Dimming Series rack enclosures
- UL and cUL Listed for continuous duty at 100% of rated load
- HCC15 – 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)
- Replaceable fuse for short circuit protection and fault current coordination
- UL and cUL LISTED

**EFFICIENCY**
- Efficiency is >99%

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**PHYSICAL**

**Module 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>HCC15</td>
<td>1.5</td>
<td>38</td>
<td>11.8</td>
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</table>

**Module 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>HCC15</td>
<td>2.1</td>
<td>1.0</td>
</tr>
<tr>
<td></td>
<td>4.0</td>
<td>1.8</td>
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</table>

*Weights and dimensions typical

**Maximum BTU Production per module**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>BTUS</th>
<th>WATTS</th>
<th>EFFICIENCY</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCC15</td>
<td>&lt;10</td>
<td>&lt;4</td>
<td>&gt;99.0%</td>
</tr>
</tbody>
</table>

These values should be provided to a qualified HVAC design engineer, along with dimmer quantities, types and dimmer room dimensions, to calculate dimmer room air handling requirements.

Dimmer room HVAC systems must at all times maintain the specified ambient temperature at the dimmer rack. Dimming systems operating within 10°F of the upper or lower temperature limits must strictly follow installation and operation guidelines to operate reliably.