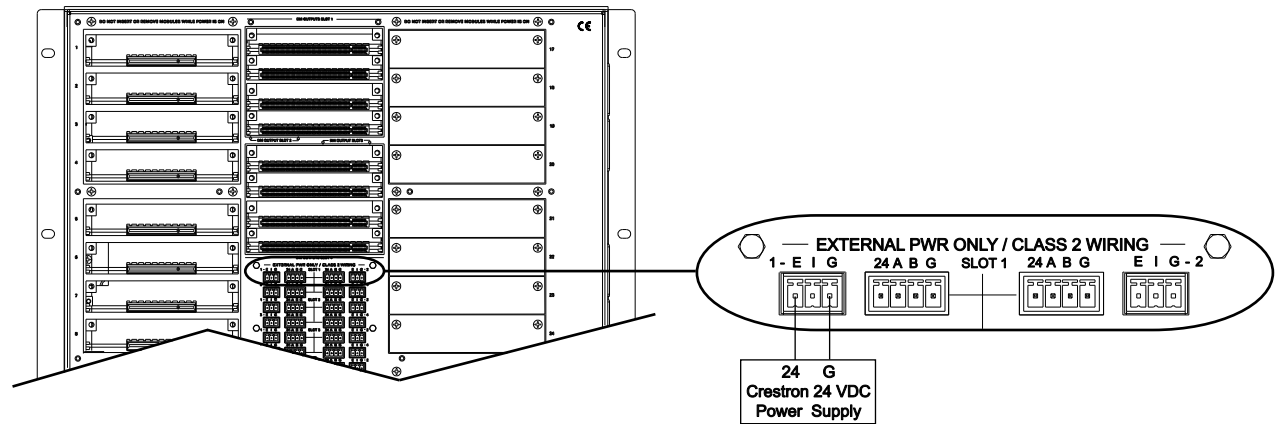


# Redundant Power Supply (RPS) Features of Crestron DigitalMedia™ Switchers

## ATTENTION:



The DM-MD8X8-RPS, DM-MD16X16-RPS, and DM-MD32X32-RPS DigitalMedia™ switchers provide power to external devices only if an external power supply is connected to the switcher. Devices connected to a DMNet port of the switcher receive power from a Crestron® 24 Vdc external power supply such as the CNPWS-75 or C2N-SPWS300.

To power a DMNet port externally from a Crestron 24 Vdc power supply, connect the power supply to the **E** (External) and **G** (Ground) pins on the EIG connector as shown above.

## RPS Features

The DM-MD8X8-RPS, DM-MD16X16-RPS, and DM-MD32X32-RPS DigitalMedia switchers provide all of the features of the standard switchers (DM-MD8X8, DM-MD16X16, and DM-MD32X32, respectively) plus built-in redundant power supplies with remote status monitoring.

Each RPS model delivers enhanced reliability for mission critical applications, employing extreme long-life redundant power supplies to ensure reliable operation throughout the life of the system. Each internal switch-mode power supply has a demonstrated MTBF (Mean Time Between Failures) of over 1,000,000 hours. In the unlikely event of a single power supply fault, the RPS switcher continues to operate unhindered. Clear indication of such a fault is provided on the unit's front panel via a flashing red LED. A green LED is also provided for each power supply to indicate that the power supply is functioning (refer to the illustration on the following page). The power supplies can also be remotely monitored via Crestron Fusion RV® software or any control system touch screen.



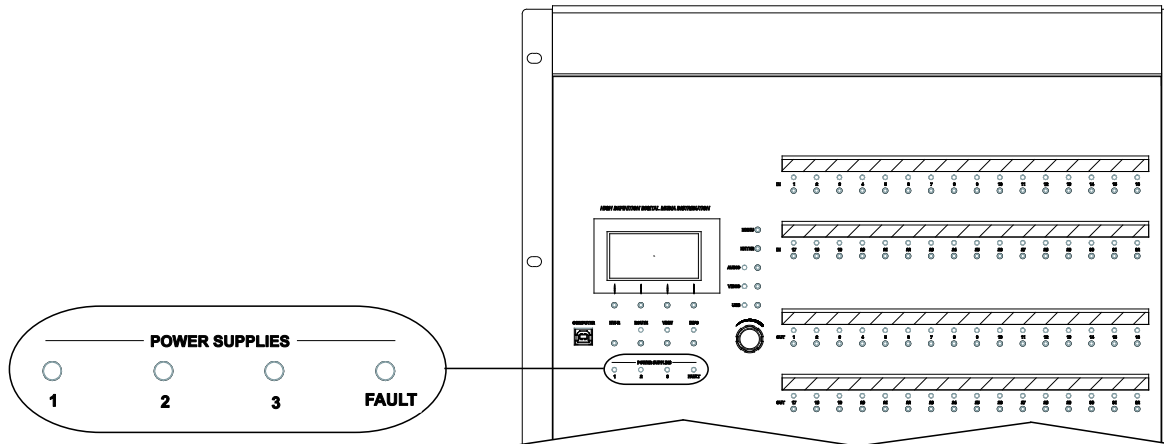
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Specifications subject to  
change without notice.

RPS Switcher Power Supply LEDs (DM-MD32X32-RPS Shown)



## RPS Specifications

Product specifications of the DM-MD8X8-RPS, DM-MD16X16-RPS, and DM-MD32X32-RPS DigitalMedia switchers are the same as those of the standard switchers except as noted in the table below.

### Power and Dimension Specifications Specific to RPS Models

| SPECIFICATION            | DETAILS  |
|--------------------------|--|
| Power Requirements       |  |
| Main Power               | <b>DM-MD8X8-RPS:</b> 225 W @ 100-240 Vac, 50/60 Hz<br><b>DM-MD16X16-RPS:</b> 450 W @ 100-240 Vac, 50/60 Hz<br><b>DM-MD32X32-RPS:</b> 9-4 A @ 100-240 Vac, 50/60 Hz   |
| Available DMNet Power    | <b>DM-MD8X8-RPS, DM-MD16X16-RPS, DM-MD32X32-RPS:</b> None  |
| Redundant Power Supplies |  |
| Quantity/Type            | <b>DM-MD8X8-RPS, DM-MD16X16-RPS:</b> (2) Switch-mode, internal<br><b>DM-MD32X32-RPS:</b> (3) Switch-mode, internal   |
| Demonstrated MTBF        | <b>DM-MD8X8-RPS, DM-MD16X16-RPS, DM-MD32X32-RPS:</b> >1,000,000 hours per power supply @ full load and 25°C ambient conditions   |
| Redundancy               | <b>DM-MD8X8-RPS, DM-MD16X16-RPS:</b> Complete unit continues to operate at full capacity on one or more functioning power supplies<br><b>DM-MD32X32-RPS:</b> Complete unit continues to operate at full capacity on two or more functioning power supplies. If two power supplies fail, the unit enters a safety shutdown mode that prevents damage to the unit and attached external devices. |
| Dimension (Depth)        | <b>DM-MD8X8-RPS:</b> 15.70 in (399 mm) without cards<br><b>DM-MD16X16-RPS:</b> 15.65 in (398 mm) without cards   |

The specific patents that cover Crestron products are listed at [patents.crestron.com](http://patents.crestron.com).

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