DIN-PWS60
DIN Rail 60 W Cresnet® Power Supply
Installation Guide

Description

The Crestron® DIN-PWS60 is a 60 W Cresnet power supply module designed to snap onto a standard DIN rail for installation in a wall-mount enclosure. DIN rail mounting enables modular installation alongside Crestron DIN Rail lighting and automation control modules and other third-party DIN rail mountable devices. All wiring connections are made using screw terminals positioned along the top and bottom, clearly accessible from the front for easy installation and servicing. Six Cresnet power ports are provided.

DIN-PWS60 Specifications

SPECIFICATION	DETAILS
Output	
Output Rating	60 W (2.5 amps) at 24 Vdc, Regulated, limited power source
Ripple/Noise	<1%
Efficiency	85%
Input	
Line Power/Mains	100-277 volts ac, 50/60 Hz
Input Current	1.1 amps at 120 volts ac; 0.65 amps at 230 volts ac; 0.57 amps at 277 volts ac; measured at full rated output
Power Consumption:	70 watts at full rated output
Enclosure	Light gray polycarbonate housing with polycarbonate label overlay, UL94 V-0 rated, 35 mm DIN EN 60715 rail mount, DIN 43880 form factor for enclosures with 45 mm front panel cutout, occupies 6 DIN module spaces (108 mm)
Environmental	
Temperature	32° to 104 °F (0° to 40 °C)
Humidity	10% to 90% RH (noncondensing)
Heat Dissipation	26 Btu/h
Dimensions	
Height	3.71 in (9.42 cm)
Width	4.18 in (10.60 cm)
Depth	2.29 in (5.80 cm)

Additional Resources

Visit the product page on the Crestron website (www.crestron.com) for additional information and the latest firmware updates. Use a QR reader application on your mobile device to scan the QR image.

Installation

WARNING: To avoid fire, shock, or death, turn off the power at the circuit breaker or fuse and test that the power is off before wiring!

NOTE: Observe the following points:

- Install and use this product in accordance with appropriate electrical codes and regulations.
- A licensed electrician should install this product.
- When installing in an enclosure, group high-voltage devices separately from low-voltage devices.

Install the DIN-PWS60.

NOTE: Use the DIN-PWS60 in a well-ventilated area. The venting holes should not be obstructed under any circumstances.

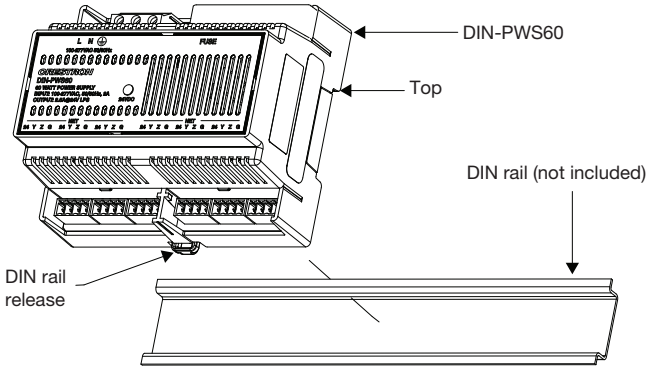
NOTE: The DIN-PWS60 is designed for installation on a DIN rail. Refer to the diagram when installing.

NOTE: When mounting DIN rail products, use a flat-head screwdriver to pull the DIN rail release tab while snapping the device onto the DIN rail.

1. Use a flat object (e.g., a flat-head screwdriver) to pull the DIN rail release downward.
2. Place the top of the DIN-PWS60's rail mount over the top of the DIN rail.
3. Tilt the bottom of the DIN-PWS60 toward the DIN rail until it snaps into place.

To remove the DIN-PWS60 from the DIN rail, use a small, flat object (e.g., a flat-head screwdriver) to pull the DIN rail release, and tilt the bottom of the DIN-PWS60 away from the DIN rail.

NOTE: Certain third-party DIN cabinets provide space for an informational label between each DIN rail row. Crestron's Engraver software (version 4.0 or later) can generate appropriate labels for all Crestron DIN rail products.



Hardware Hookup

WARNING: Prior to connecting the DIN-PWS60, turn off the power at the circuit breaker. Failure to do so may result in serious personal injury or damage to the device. Restore power after all connections have been made.

NOTE: Install the DIN-PWS60 in accordance with all local and national electric codes.

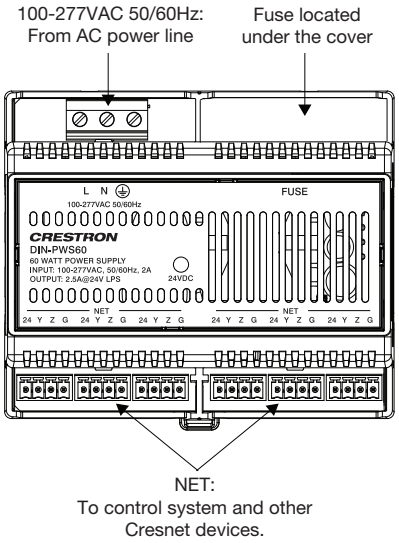
NOTE: High-voltage connections accept 12 AWG (2.5 mm²) wire. Wire should be stripped to 1/3 in (8 mm). Tighten the terminal blocks to 5 in-lbs (0.5 Nm).

NOTE: Use copper wire only. For high-voltage connections, use wires rated for at least 75 °C.

NOTE: When making NET connections, strip the ends of the wires approximately 7/16 in (11 mm). Use care to avoid nicking the conductors. Tighten the connector to 5 in-lb (0.5 to 0.6 Nm). The wire gauge should be 14 to 26 AWG.

NOTE: Ensure the unit is properly grounded.

Hardware Connections for the DIN-PWS60



Replacing the Fuse

If the DIN-PWS60 does not power up when it is connected to an ac power line, the fuse may need to be replaced. The fuse holder is located on the top right corner of the front panel under the cover.

Replace the fuse.

1. Disconnect power to the DIN-PWS60.
2. Remove the cover from the top right corner on the front of the DIN-PWS60.
3. Remove the defective fuse from the fuse holder and replace with a new fuse.

   CAUTION: Use only a 3.15 A, 250 V time-lag type fuse. Failure to do so may cause damage to the DIN-PWS60.
4. Replace the fuse cover.
5. Connect power to the DIN-PWS60.

Troubleshooting

The following table provides corrective actions for possible trouble situations. If further assistance is required, please contact a Crestron customer service representative.

DIN-PWS60 Troubleshooting

TROUBLE	POSSIBLE CAUSE(S)	CORRECTIVE ACTION
The 24 Vdc LED does not light.	The DIN-PWS60 is not receiving power.	Verify that the DIN-PWS60 is connected to an ac power line.
	The fuse is blown.	Replace the fuse with a T3.15AH (5 x 20 mm, 250 V, 3.15 A, time-lag, ceramic cartridge). Refer to the “Replacing the Fuse” section.
	The output is short-circuited.	Disconnect all output connectors. The LED will light if the problem is a short circuit on output.

This product is Listed to applicable UL® Standards and requirements by Underwriters Laboratories Inc.

Ce produit est homologué selon les normes et les exigences UL applicables par Underwriters Laboratories Inc.

As of the date of manufacture, this product has been tested and found to comply with specifications for CE marking.

Federal Communications Commission (FCC) Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Industry Canada (IC) Compliance Statement

CAN ICES-3(B)/NMB-3(B)

For permanently connected equipment, external devices should be provided with accessible disconnect means.

对永久性连接式设备,应当在设备外部装上便于触及到的断开装置

The product warranty can be found at www.crestron.com/warranty.

The specific patents that cover Crestron products are listed at www.crestron.com/legal/patents.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

This document was written by the Technical Publications department at Crestron.

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