

CSA-PWS2S-JBOX-ZUMLINK-CN

Two-Motor J-Box Mounted Power Supply for Motorized Shading Solutions



The [CSA-PWS2S-JBOX-ZUMLINK-CN](#) is a plenum-rated power supply designed for Crestron shade and Züm® lighting devices. It features dual outputs for shades or Cresnet devices. This power supply is engineered to be hardwired into a standard 4 in. x 4 in junction box, providing seamless and secure installation.

Digital Quiet Motor Technology

Quiet Motor Technology allows for nearly inaudible operation while providing precise control of shade movement. Digital QMT® shade motors also keep track of the shade's position which allows the shade to be programmatically adjusted to the user's desired position.

Cresnet® Wired Communications (-CN Motors)

Cresnet wired communication provides dependable two-way communication with a control system. The Cresnet bus offers easy wiring and configuration, carrying bidirectional communication and 24VDC power to each device over a simple 4-conductor cable.

- Power supply for up to two Crestron QMT series roller shades or drapery system motors
- Allows external power to pass through two Cresnet or two Züm Link connections
- Züm Link ports for commercial lighting applications utilizing custom programming
- 100 W total, 50 W per shade, 24V
- Individual per-motor overcurrent protection
- Miswire protection on power output terminals
- Anodized, black metal housing to blend with open ceilings
- LEDs to indicate power status for each shade

NOTES:

- The CSA-PWS2S-JBOX-ZUMLINK-CN must be installed by a licensed electrician and comply with local building codes.
- Outputs can be used for either shades or additional Cresnet devices. Do not combine shades and Cresnet devices on a single output. Each shade or device must have its own dedicated output.
- To configure shades or order shading parts and accessories, please use the Crestron Design Tool for Crestron Shading Solutions or call 1-855-53-S-H-A-D-E (537-4233) for support.

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Specifications

Power Requirements

AC Input Power	100-240VAC, 50-60 Hz
Input Current	1A at 120VAC, 0.53A at 240VAC; Measured at full rated output
Maximum Output Rating	100 W (4.2A) @24VDC total, LPS; 50 W (2.1A) @24VDC per output, LPS; 75 W @24VDC total (continuous load) for additional Cresnet devices
Ripple/Noise	<0.5%
Efficiency	> 85%
Motor Support	Provides power for up to two motors with each motor homerun to the power supply; Supports two Crestron roller shade motors, two drapery motors, or a combination of both; Carries 145 lbs per load

Wired Communications

Zūm Link	(2) RJ-45 ports
Cresnet	(2) 4-pin 3.5 mm detachable terminal blocks

Indicators

24VDC	(2) Green LEDs, indicate the presence of 24VDC on its respective shade output
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Connections

Line	(1) 18 AWG Class 1 flying lead; Black, line power input
Neutral	(1) 18 AWG Class 1 flying lead; White, neutral
Ground	(1) 16 AWG Class 1 flying lead; Green, ground
Shade Outputs	(2) 4-pin 5mm detachable terminal blocks; Independent Cresnet power output ports with polarity-sensitive terminals, supporting a maximum load of 50 W per output
CRESNET	(2) 4-pin 3.5 mm detachable terminal blocks, paralleled. Provides power and communication pass-through for Cresnet products. Maximum wire size: 14 AWG (1.5 mm ²)
ZUMLINK	(2) RJ-45 ports for in-room Zūm Link device daisy-chaining. Passes through data from either the Cresnet ports or the Zūm Link ports

Environmental

Indoor use only

Temperature	32° to 104°F (0° to 40°C)
Humidity	10% to 90% RH (noncondensing)
Heat Dissipation	19 BTU/hr @ 120VAC input and 1A on each output; 34 BTU/hr @ 120VAC input and 2A on each output; 45 BTU/hr @ 240VAC input and 1A on each output; 58 BTU/hr @ 240VAC input and 2A on each output;

Construction

Housing	Anodized Black, metal
Mounting	Mounts using screws on the back of the enclosure. Meets UL 2043 requirements for installation in an environmental air-handling (plenum) space

Dimensions

Height	4.00 in. (102 mm)
Width	4.16 in. (106 mm)
Depth	2.18 in. (55 mm)

Weight

22 oz (635 g)

Compliance

Regulatory Model: M202237001

ETL® Listed for US & Canada, IC, FCC Part 15 Class B digital device, Conforms to UL 2043

Model

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Available Accessories

For a list of available accessories, visit the [CSA-PWS2S-JBOX-ZUMLINK-CN](#) product page.

The original language version of this document is U.S. English.
All other languages are a translation of the original document.

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

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