

CSA-PWS10S-HUB

10-Motor Power Supply and Cresnet® Hub

- > Support for up to 10 Crestron® roller shade motors, 10 drapery system motors, or a combination of the two up to a total of 10
- > Built-in 5-segment Cresnet® hub
- > Individual per-motor fuse protection
- > Local shade and drapery master controls
- > Clear diagnostic LED indicators
- > Convection cooled for silent operation
- > Available pre-assembled in CAEN-1X1 enclosure

The CSA-PWS10S-HUB Power Supply powers up to 10 Crestron® Quiet Motor Technology™ roller shade or drapery system motors and features a built-in, 5-segment Cresnet® hub with network diagnostics capabilities. A local control interface with LED feedback indicators allows roller shade or drapery systems to be tested without a control system connection. The CSA-PWS10S-HUB is convection cooled for silent operation and can be surface mounted. Crestron offers model CSA-PWS10S-HUB-CAEN-1X1 as part of a pre-assembled CAEN-1X1 enclosure, which can be surface mounted or recessed in a wall.

Quick Troubleshooting

The built-in diagnostics featured on the CSA-PWS10S-HUB enable the user to automatically shut down any branch with a fault, identify the exact problem (e.g., Y shorted to Z, Z shorted to GND, fuse blown) without a multi-meter, and trigger program events based on problems detected by the power supply (e.g., notices on touch screens and emails to the service department).

SPECIFICATIONS

Load Rating

Total Motors Supported: Provides power for up to (10) Crestron® roller shade motors, (10) drapery system motors, or a combination of the two up to a total of (10) motors with each motor homerun to the power supply; 10 Drapery System solutions carry 145 lbs load each

Output: 24 Volts DC 50 Watt Output

350 Watts Total Continuous Load

425 Watts 2 minutes ON, 2 minutes OFF Discontinuous Shade Load

Load Protection: (10) Self-resetting thermal fuses and (10) replaceable 4 Amp time lag fuses, (1) of each per output

Power Requirements

Line Power: 120-240 Volts AC, 50/60 Hz, 5 Amps max

Connections

NET HOST IN, OUT: (2) 4-pin 5 mm detachable terminal blocks; Cresnet® slave ports, paralleled; Connect to Cresnet control network, power not supplied to these connections; Cresnet power output ports with data pass-through



A-E, 1-10: (10) 4-pin 5 mm detachable terminal blocks comprising (2) Cresnet ports per each of (5) hub segments

USB: (1) USB Type B female, USB computer console port

Line Power (CSA-PWS10S-HUB): (1) Attached input power cable (~10 in long, 254 mm) with inline IEC 60320 C14 main power inlet; Mates with removable power cord (included)

Line Power (CSA-PWS10S-HUB-CAEN-1X1): (1) Attached input power cable (~10 in long, 254 mm) with inline IEC 60320 C14 main power inlet; Connects to AC power source using grounded pigtail cable and terminal block (both included)

LED Indicators

PWR 1-10: (10) Green LEDs, indicate 24 Volts present at each corresponding output

NET A-E: (5) Amber LEDs, indicate Cresnet activity on each corresponding hub segment

NET HOST: (1) Amber LED, indicates Cresnet activity with control system

MSG: (1) Red LED, indicates error messages and Test mode

Enclosure

MASTER UP: (1) Pushbutton, press and hold to raise all connected shades

MASTER DOWN: (1) Pushbutton, press and hold to lower all connected shades

TEST: (1) Pushbutton, initiates diagnostic test

RESET: (1) Recessed pushbutton, forces hardware reset

Enclosure

CSA-PWS10S-HUB: Metal, grey, surface mount (indoor use only)

CSA-PWS10S-HUB-CAEN-1X1: Includes CAEN-1X1, 16-gauge galvanized steel enclosure with vented grey steel cover; Surface mount or recess mount in a wall (indoor use only)

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Environmental

Temperature: 32° to 104° F (0° to 40° C)

Humidity: 10% to 90% RH (non-condensing)

Dimensions

CSA-PWS10S-HUB:

Height: 7.60 in (194 mm)

Width: 12.97 in (330 mm)

Depth: 2.66 in (68 mm)

CSA-PWS10S-HUB-CAEN-1X1:

Height: 16.57 in (421 mm)

Width: 16.10 in (409 mm)

Depth: 4.44 in (113 mm)

Weight

CSA-PWS10S-HUB: 5.6 lbs (2.54 kg)

CSA-PWS10S-HUB-CAEN-1X1: 15 lbs (6.8 kg)

Standards & Certifications

UL Listed

MODELS

CSA-PWS10S-HUB: 10-Motor Power Supply and Cresnet® Hub

CSA-PWS10S-HUB-CAEN-1X1: 10-Motor Power Supply and Cresnet® Hub w/CAEN Enclosure

Notes:

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/salesreps or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: patents.crestron.com.

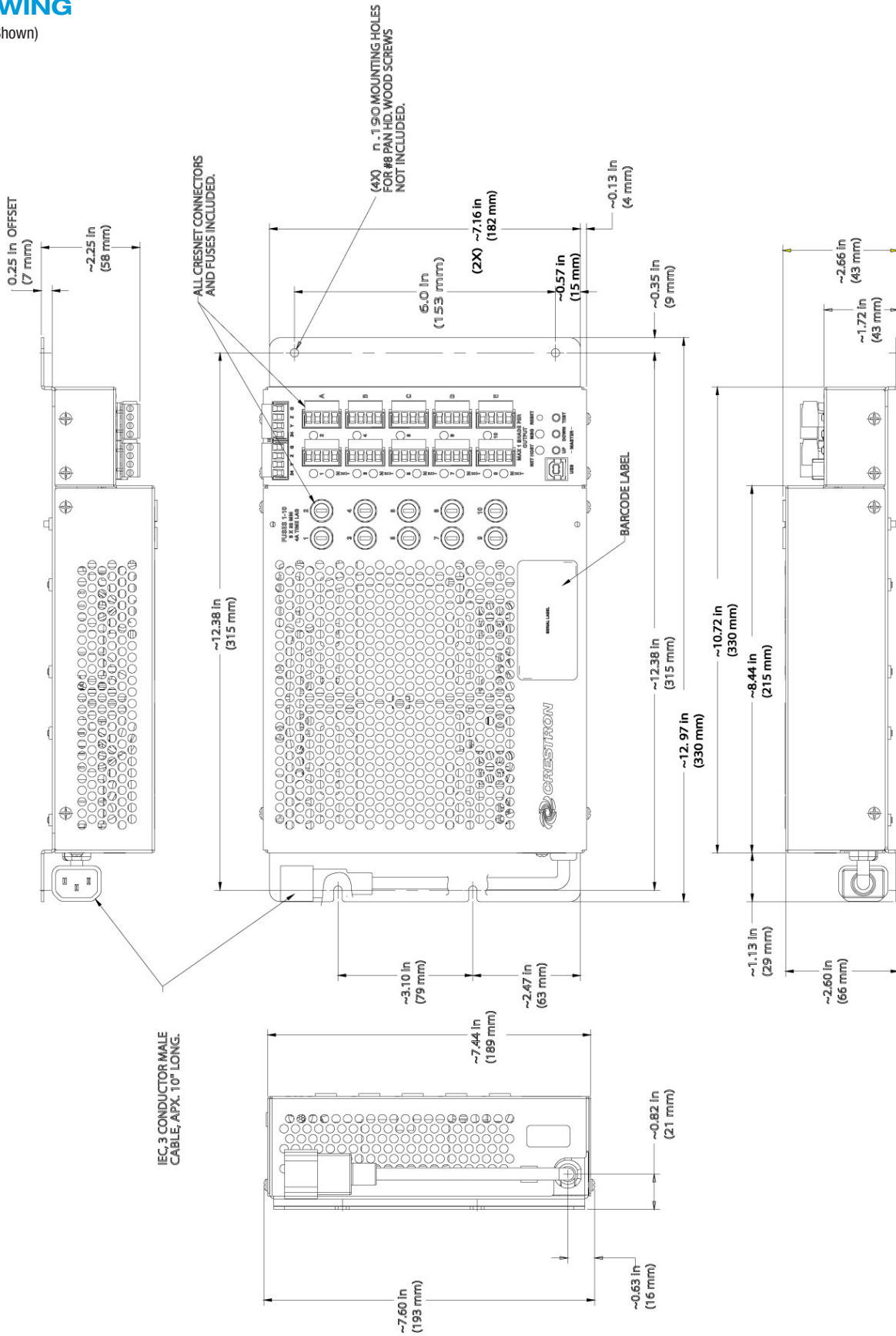
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CSA-PWS10S-HUB 10-Motor Power Supply and Cresnet® Hub

CAD DRAWING

(CSA-PWS10S-HUB Shown)



CSA-PWS10S-HUB 10-Motor Power Supply and Cresnet[®] Hub

CAD DRAWING

(CSA-PWS10S-HUB-CAEN-1X1 Shown)

