

CSA-PWS10S-HUB

10-Shade Power Supply and Cresnet® Hub

- > Support for 10 Crestron® Shades
- > Built-in 5-segment Cresnet® hub
- > Individual per-motor fuse protection
- > Local master raise/lower controls
- > Clear diagnostic LED indicators
- > Convection cooled for silent operation
- > Available pre-assembled in CAEN-1X1 enclosure

The CSA-PWS10S-HUB power supply provides support for up to 10 Crestron® Shades and features a built-in, 5-segment hub with network diagnostics capabilities. Local controls and indicators allow for easy testing of shades without connecting to a control system. The CSA-PWS10S-HUB is convection cooled for silent operation and can be surface mounted. It is also available pre-assembled in a CAEN-1X1 enclosure, model CSA-PWS10S-HUB-CAEN-1X1, 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 the branch with the 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 service department).

SPECIFICATIONS

Load Rating

Total Shades Supported: Provides power for up to (10) Crestron® Shades, each homerun to the power supply

Output: 24VDC 50W/ Output

350W Total Continuous Load

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

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

Power Requirements

Line Power: 120-240VAC, 50/60Hz, 5A 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 24V 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 recessed in a wall (indoor use only)

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 lb (2.54 kg)

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

Standards & Certifications

UL Listed

MODELS

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

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

Notes:

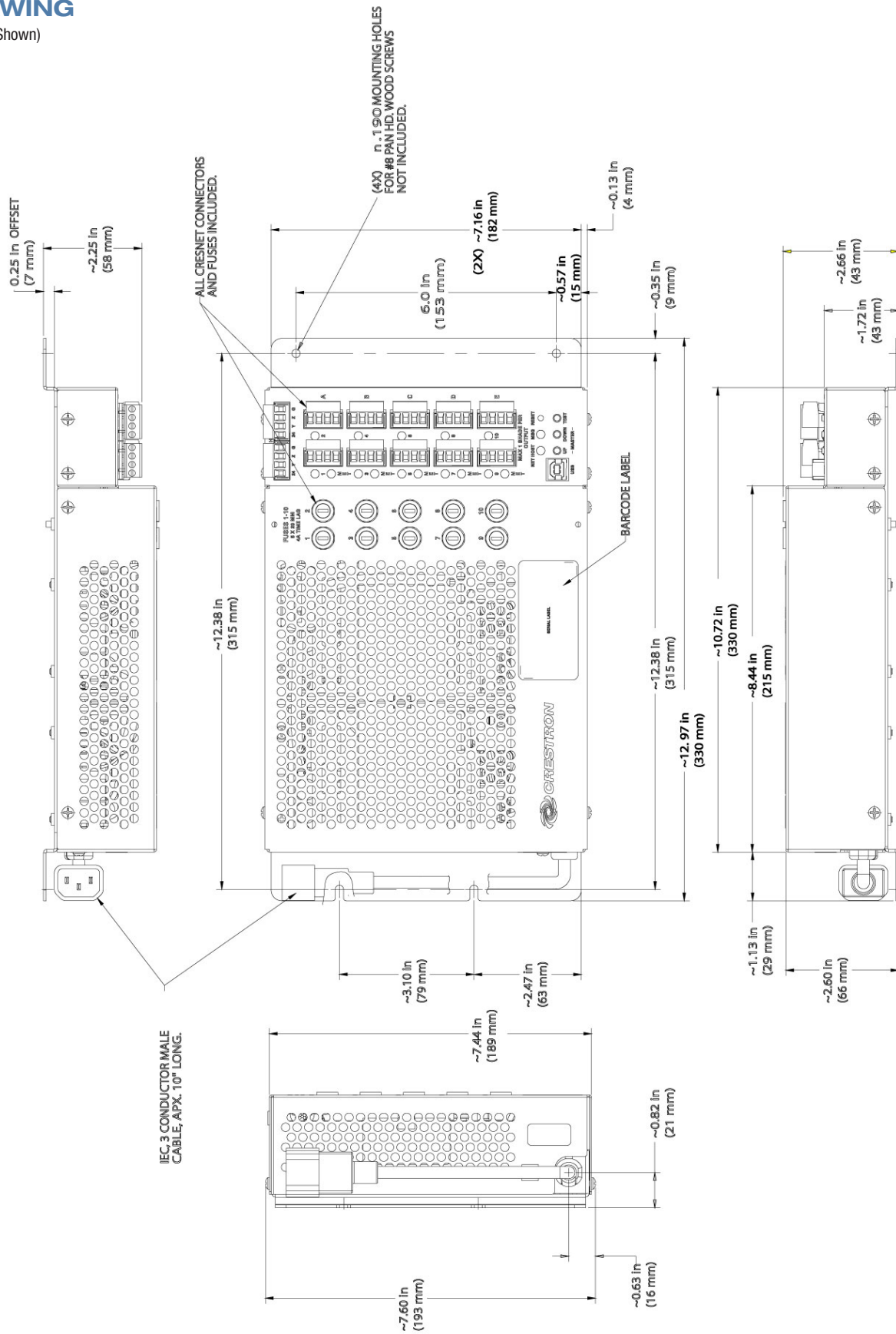
This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/salesreps or by calling 800-237-2041.

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

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CAD DRAWING

(CSA-PWS10S-HUB Shown)



CSA-PWS10S-HUB

10-Shade Power Supply and Cresnet® Hub

CAD DRAWING

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

