

# 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](http://www.crestron.com/salesreps) or by calling 800-237-2041.

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

Crestron, the Crestron logo, and Cresnet are either trademarks or registered trademarks of Crestron Electronics, Inc. in the United States and/or other countries. Other trademarks, registered trademarks, and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Crestron disclaims any proprietary interest in the marks and names of others. Crestron is not responsible for errors in typography or photography. Specifications are subject to change without notice. ©2013 Crestron Electronics, Inc.

# CSA-PWS10S-HUB

# 10-Shade Power Supply and Cresnet® Hub

## CAD DRAWING

(CSA-PWS10S-HUB Shown)



