

#### C2N-SPWS300 300 Watt Cresnet Power Supply

The C2N-SPWS300 is a 300 Watt, 24 Volt regulated power supply for powering large Cresnet systems. Power is supplied on eight individually managed outputs. Each output is rated for up to 75 Watts, although the total load on all eight outputs must not exceed 300 Watts. Electronic circuit breaker protection is provided on each output, which can be individually monitored and reset from the control system (provided that the control system itself does not lose power.) Main system fault detection and reset are also provided, along with warning signals for temperature and overload. The actual internal temperature and output voltages can even be reported on command.

The C2N-SPWS300 implements sequential switching of the eight outputs, which may be activated automatically when AC power is applied, or when 24 Volts DC from another power supply is applied to the primary NET port.

The C2N-SPWS300 can be installed in a Crestron CAEN Automation Enclosure using the optional CAEN-MK (sold separately), or rack-mounted using the optional C2N-RMAK (sold separately).

#### SPECIFICATIONS

##### Connectors

**NET:** (1) 4-pin 5mm detachable terminal block  
Ordinarily connected to the Cresnet port of a control system that has built-in power supply  
24VDC applied to 24 and G terminals activates power-on sequence in "PWR OFF/SLAVE" mode  
Cresnet dmta connected to Y and Z terminals passes through to all output ports

**1 - 8:** (16) 4-pin 5mm detachable terminal blocks  
(2) Cresnet power ports (paralleled) per each of (8) output channels  
(8) Output channels each rated for 75 Watts (3.125 Amps @ 24 Volts DC) regulated  
Total load on all outputs not to exceed 300 Watts (12.5 Amps @ 24 Volts DC) regulated

**Ripple/noise:** <150 mV

**Power:** (1) attached input power cable (~1 ft long) with inline IEC320 socket  
Connects to AC power source using grounded 3-prong power cable or grounded pigtail cable, both provided

##### Pushbuttons

**SYSTEM:** Resets main electronic circuit breaker  
**1 - 8:** Resets individual output channel electronic circuit breakers  
**SETUP:** Initiates setup for network ID configuration



##### Power Switch

Selects between PWR ON and PWR OFF/SLAVE modes

##### LED Indicators

**PWR, NET, SETUP, SYSTEM, PWR (1-8), OVRLD (1-8):**  
(See product manual or spec sheet for more information)

##### Power Requirements

4 Amps, 100-240 Volts AC, 50/60 Hz

##### Environmental

**Temperature:** 41° to 104°F (5° to 40°C)  
**Humidity:** 10% to 90% RH (non-condensing)

##### Enclosure

Black anodized aluminum, surface mount box  
**Rack mount:** 3U 19" rack mountable using C2N-RMAK (sold separately)  
**CAEN automation enclosure:** Occupies 1 module space in a single-width enclosure, or 2 side-by-side module spaces in a double-width enclosure; requires CAEN-MK (sold separately)

##### Dimensions

**Height:** 5.19 in (13.18 cm)  
**Width:** 13.25 in (33.66 cm)  
**Depth:** 3.29 in (8.36 cm)

##### Weight

5.3 lbs (2.4 kg)

##### AVAILABLE ACCESSORIES

- ▶ **C2N-RMAK**  
Rack Mount Kit
- ▶ **CAEN-MK**  
CAEN Automation Enclosure Mounting Kit
- ▶ **C2N-NPA8**  
Cresnet Network Poll Accelerator