

PS Series

9V, 12V, & 15V DESKTOP POWER
SUPPLIES FEATURING ZIPCLIP™



- ▶ Energy-efficient, Level V rated power supplies for low power consumption and reduced operating costs
- ▶ Extron designed and engineered for increased durability and reliability with a high MTBF
- ▶ Available in single DC output and triple DC output versions
- ▶ Rack Mountable - Power supplies mount directly to Extron basic and universal rack shelf products
- ▶ Patent Pending enclosure and ZipClip™ mounting system
- ▶ Mounts securely on a variety of surfaces, including rack rails, tables, lecterns, projector poles, and table legs
- ▶ LED indicates that the power supply is active
- ▶ Universal IEC input easily accepts international power cords
- ▶ Compact footprint requires little desktop or rack space
- ▶ US style Edison 6-foot detachable IEC cord included
- ▶ CE, UL, and EC listed
- ▶ Worldwide compatibility, 100 VAC to 240 VAC universal

The Extron PS Series of External Power Supplies offers high reliability and energy efficiency with versatile mounting options for easy integration. The energy-efficient power supplies lower power consumption to reduce operating costs and help meet green building requirements. The Extron PS Series is engineered and manufactured by Extron for increased durability and reliability with an extremely high MTBF - Mean Time Between Failures rating. Using the included ZipClip™ mounting kit, the power supplies can be quickly and securely mounted to rack rails, tables, and lecterns.



Extron® Electronics
INTERFACING, SWITCHING AND CONTROL

DESCRIPTION

The Extron **PS Series** of External Power Supplies offers high reliability, meets the Level V standard for energy efficiency, and provides versatile mounting options for easy integration. The energy-efficient power supplies lower power consumption to reduce operating costs and help meet green building requirements.

The Extron PS Series is engineered and manufactured by Extron for increased durability and reliability. While typical power supplies last for three years, the PS Series are designed to last over 114 years of continuous use at full power. The PS 910, PS 1210, and PS 1508 are heat chamber tested to have a demonstrated MTBF - Mean Time Between Failures of more than 1,000,000 hours. The PS 1220 and PS 1230 have a calculated MTBF of over 300,000 hours. These extremely high MTBF ratings diminish the probability of a power supply failure and enhance overall AV system reliability.

PS Series power supplies are available in the most popular voltages used by Extron products: 9, 12, and 15 VDC. Using the included ZipClip™ mounting kit, the power supplies can be quickly and securely mounted to rack rails, tables, and lecterns. These power supplies also feature a 1U tall enclosure with threaded inserts to mount the power supply directly on Extron rack shelves. The unique enclosure design allows direct mounting to projector poles, table legs, and other oddly shaped structures. The PS Series Power Supplies are available in one-eighth rack width and one-quarter rack width versions, enabling them to be installed in small spaces.

FEATURES

- ▶ **Energy-efficient, Level V rated power supplies** for low power consumption and reduced operating costs
- ▶ **Extron engineered and manufactured for increased durability and reliability with a high MTBF**
- ▶ **PS 1220 and PS 1230 feature three 12 volt DC outputs; all other models offer a single DC output**
- ▶ **Rack Mountable** – Power supplies mount directly to Extron basic and universal rack shelf products
- ▶ **Patent Pending enclosure and ZipClip™ mounting system**
- ▶ **Mounts securely on a variety of surfaces, including rack rails, tables, lecterns, projector poles, and table legs**
- ▶ **Front panel power LED** – Provides a clear visual that the power supply is active
- ▶ **Universal IEC input easily accepts international power cords**
- ▶ **Compact footprint requires little desktop or rack space**
- ▶ **6-foot detachable IEC cord included**
- ▶ **CE, UL, and EC listed**
- ▶ **Worldwide compatibility, 100 VAC to 240 VAC universal**

Feature Highlight - Extron DC Connectors

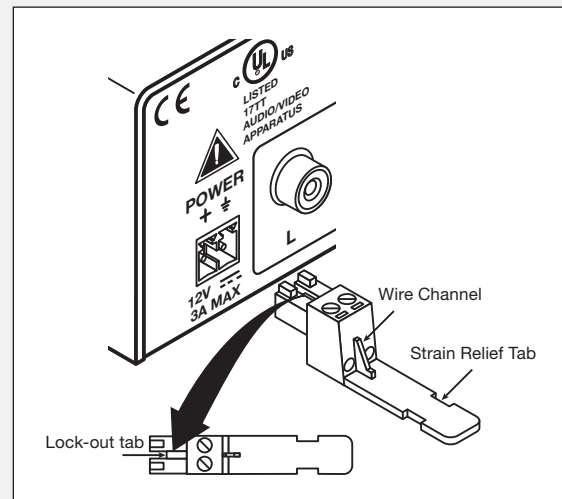
Unique to Extron is our captive screw DC connector and port. Three features of the connector provide convenience and safety for integrators:

Strain Relief Tab – This convenient extension provides tie-down points for a zip tie to reduce strain on the point of electrical contact. Three ridges on the underside provide an easy-to-grip surface when the connector must be removed from the product.

Wire Channel – The Extron DC connector features an extended barrier between the two wire openings to keep stray wires separated and prevent shorts.

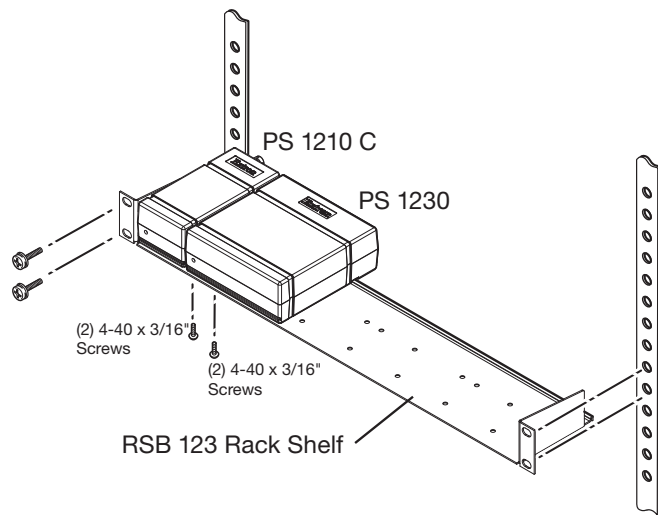
Lock-out Tab – Between the two pins of the orange DC connector is a lock-out tab that prevents the connector from being inserted into a blue signal port on the back of an Extron product. Only the mating orange DC port will accept the connector. This keeps DC voltage from damaging audio or control inputs.

Overall, this clever and robust captive screw DC connector provides a reliable point of connection for power transfer from an Extron Desktop Power Supply into externally powered Extron products that use the orange DC connector.

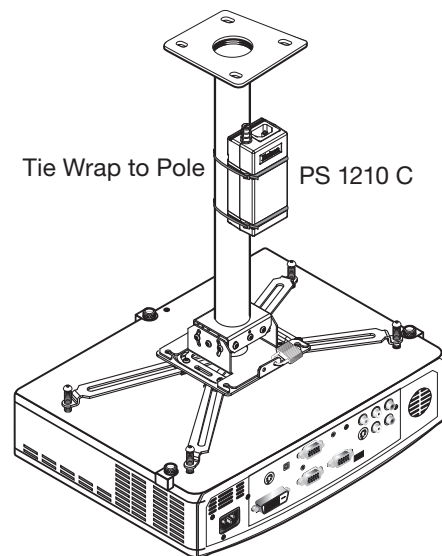


Extron Exclusive captive screw DC Connector and Port

DIRECT MOUNTING OPTIONS

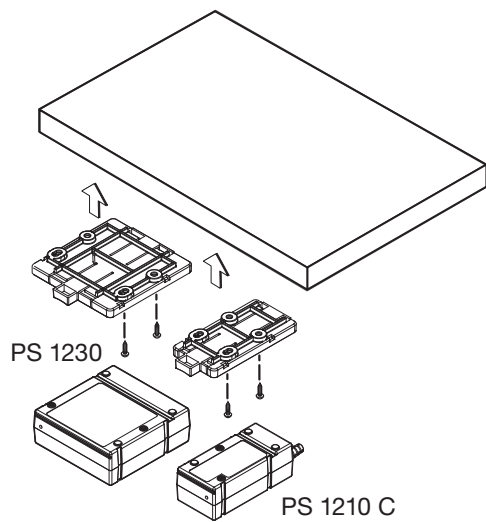


Rack Shelf Mounting



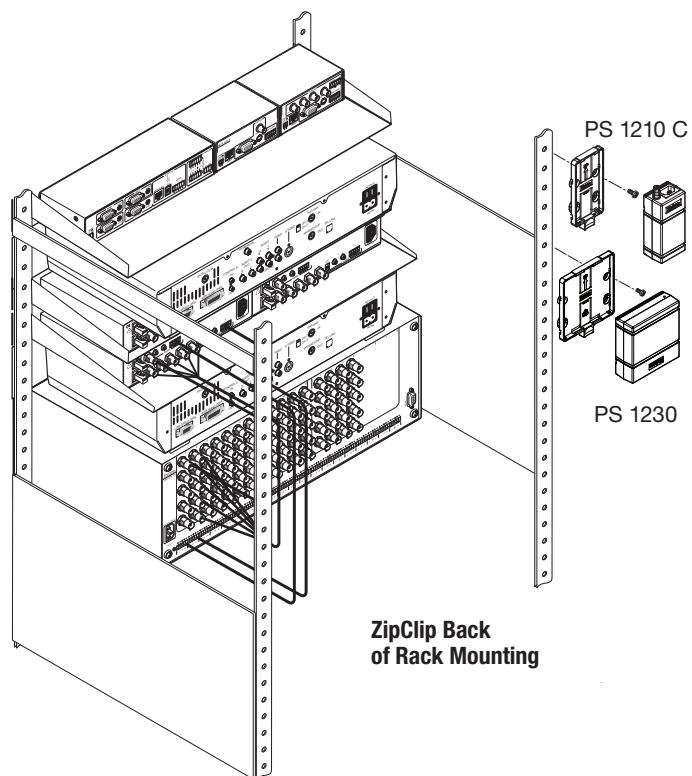
Pole/Table Leg Mounting

ZIPCLIP UNDER DESK MOUNTING



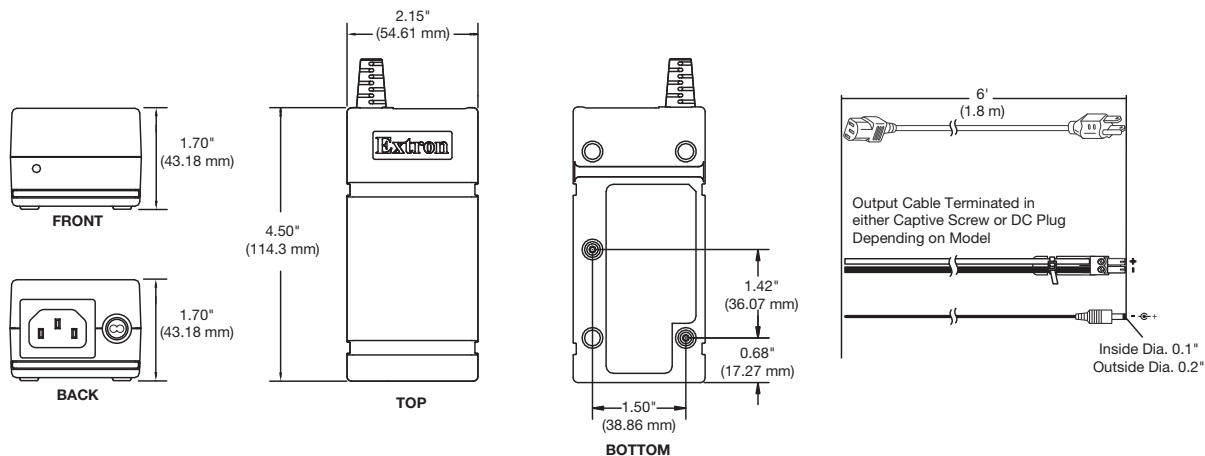
ZipClip Under Desk Mounting

ZIPCLIP BACK OF RACK MOUNTING

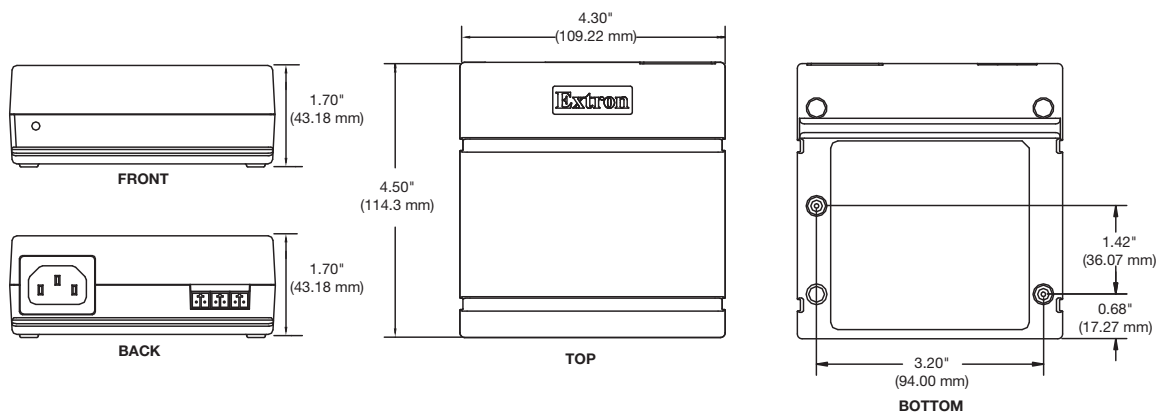


ZipClip Back of Rack Mounting

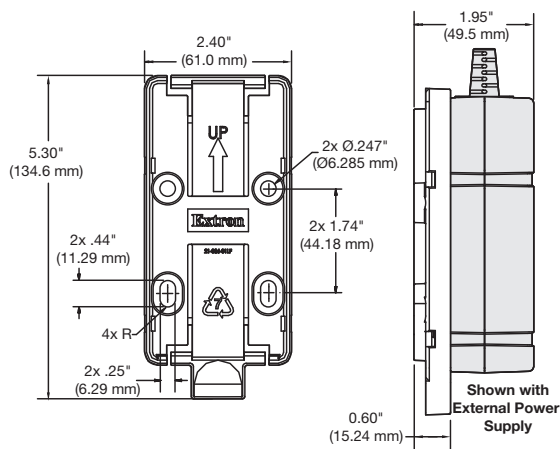
EXTERNAL POWER SUPPLY - 1/8 RACK



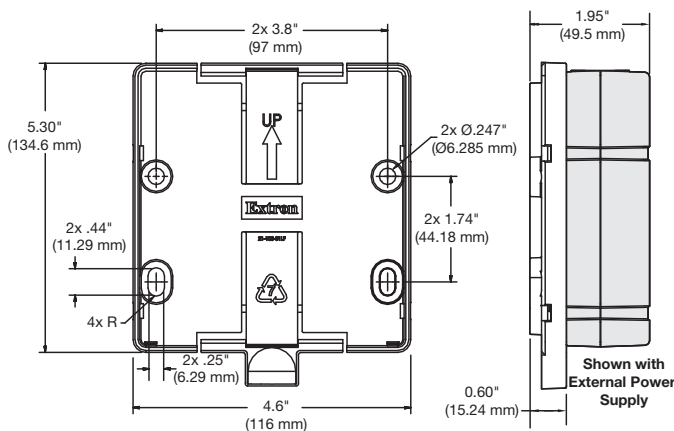
EXTERNAL POWER SUPPLY - 1/4 RACK



ZIPCLIP™ MOUNTING SYSTEM



ZipClip 100



ZipClip 200

EIGHTH RACK MODELS



PS 1210 C

Unique Features

- Fixed 6' DC cord terminated with a captive screw connector or DC plug
- One-eighth rack width sized enclosure
- MTBF rating of 1,000,000 hours
- Patent Pending ZipClip 100 mounting bracket included
- Models: PS 910, PS 1210, and PS 1508

QUARTER RACK MODELS



PS 1230

Unique Features

- 3, 12 volt DC outputs on 2-pole captive screw connectors
- One-quarter rack width sized enclosure
- MTBF rating of 300,000+ hours
- Patent Pending ZipClip 200 mounting bracket included
- 1, 6' DC cable with pre-sliced ends included
- 3, 2' pole, 3.5mm captive screw connectors included
- Models: PS 1220 and PS 1230

SPECIFICATIONS

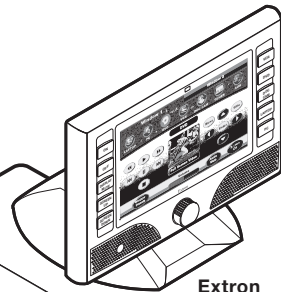
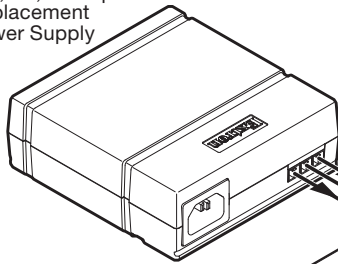
GENERAL

Power output	
PS 910 Series	9 VDC, 1 A, 9 watts
PS 1210 Series	12 VDC, 1 A, 12 watts
PS 1508 Series	15 VDC, 0.8 A, 12 watts
PS 1220	12 VDC, 2 A, 24 watts; shared between all three outputs
PS 1230	12 VDC, 3 A, 36 watts; shared between all three outputs
Power input	
No load	100 VAC to 240 VAC, 50-60 Hz
Full power	0.3 watts
PS 910 Series	11.2 watts, 0.3 A maximum
PS 1210 Series	14.6 watts, 0.3 A maximum
PS 1508 Series	14.8 watts, 0.3 A maximum
PS 1220	28 watts, 1.2 A maximum
PS 1230	41 watts, 1.2 A maximum
Cooling	Convection, no vents
Mounting	
Rack mount	Yes, with optional 1U rack shelf, with the included ZipClip™ 100 mounting clip (for one eighth rack models) or ZipClip 200 mounting clip (for quarter rack models), or by securing to rack rails with tie wraps
Furniture mount	Yes, with the included ZipClip 100 or ZipClip 200 mounting clip
Pole mount	Yes, using tie wraps
Enclosure type	High impact, high temperature plastic
Enclosure dimensions	
PS 910, PS 1210, PS 1508	1.7" H x 2.2" W x 4.5" D (1U high, one eighth rack wide) (4.2 cm H x 5.5 cm W x 11.4 cm D) (Excludes power cords.)
PS 1220, PS 1230	1.7" H x 4.3" W x 4.5" D (1U high, quarter rack wide) (4.2 cm H x 10.9 cm W x 11.4 cm D)
Regulatory compliance	
Safety, EMI/EMC	CCC, CE, C-tick, c-UL, CISPR 22 Class B, CISPR 24, FCC Class B, GS, KC, NEC Class 2, PSE, S-mark, UL
Environmental	Complies with the appropriate requirements of CEC, EU code of conduct, Korea Energy Certification, Australia Energy Safe Certification, RoHS, WEEE. These power supplies meet energy efficiency level V and are marked with the UL Environment Energy Efficiency Certification (EEC) Mark.
MTBF	
PS 910, PS 1210, PS 1508	1,000,000 hours
PS 1220	300,000 hours
PS 1230	400,000 hours
Warranty	3 years parts and labor

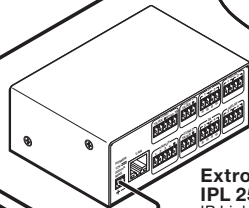
Model	Version Description	Part number
PS 910 C	9V, 1A, Captive Screw Connector	70-774-01
PS 910 P	9V, 1A, Connector DC Plug	70-777-01
PS 1210 C	12V, 1A, Captive Screw Connector	70-775-01
PS 1210 P	12V, 1A, Connector DC Plug	70-778-01
PS 1220	12V, 2A, Connector DC Plug	70-967-01
PS 1230	12V, 3A, 3 Captive Screw Ports	70-769-01
PS 1508 C	15V, 0.8A, Captive Screw Connector	70-776-01
Zip Clip System		
ZipClip 100	Mounting Kit for PS Series Power Supplies	101-002-01
ZipClip 200	Mounting Kit for 1/8 and 1/4 Rack Width Products	101-001-01

APPLICATION DIAGRAM

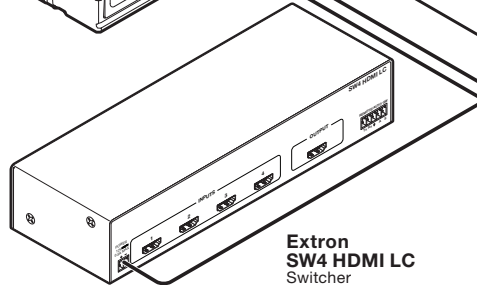
**Extron
PS 1230**
12V, 3A, Multi-port
Replacement
Power Supply



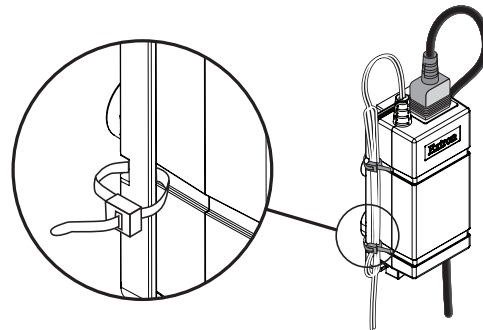
**Extron
TLP 700TV**
TouchLink™ 7"
Tabletop
Touchpanel



**Extron
IPL 250**
IP Link® Ethernet
Control Processor



**Extron
SW4 HDMI LC**
Switcher



ZipClip Strain Relief and Cable Management

POWER SUPPLY MODELS

Model	Power Output	Rack Width Size	ZipClip Size	DC Connector Type		Part #
PS 910 C	9V, 1A	Eighth Rack	100	Captive Screw Connector		70-774-01
PS 910 P	9V, 1A	Eighth Rack	100	DC Plug		70-777-01
PS 1210 C	12V, 1A	Eighth Rack	100	Captive Screw Connector		70-775-01
PS 1210 P	12V, 1A	Eighth Rack	100	DC Plug		70-778-01
PS 1220	12V, 2A	Quarter Rack	200	3 Captive Screw Ports		70-967-01
PS 1230	12V, 3A	Quarter Rack	200	3 Captive Screw Ports		70-769-01
PS 1508 C	15V, 0.8A	Eighth Rack	100	Captive Screw Connector		70-776-01

Captive Screw Connector

DC Plug

Captive Screw Ports



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