

ENCLOSED POWER SUPPLIES



SERIES EPS PRODUCT PROFILE

c3controls' Series EPS (Enclosed Power Supplies) provides reliable 24VAC power to HVAC controllers in VAV (variable air volume) systems. These assemblies offer a convenient construction consisting of one to two transformers varying in size to provide one to five 24VAC 100VA Class 2 outputs housed within a single metal enclosure. Additionally, these enclosed power supplies provide on/off control, power indication, equipment overcurrent protection, as well as options for voltage separation compartments and convenience receptacle outlets. These versatile products are UL 916 listed ensuring safety and easy acceptance in your application.



MANUFACTURED TO DELIVER THE MOST RELIABLE AND QUALITY POWER

✓ Proven	Our Series EPS Enclosed Power Supplies are UL Listed to meet global standards requirements and are compliant with RoHS directives. 
✓ Secure Installation	Quick and simple installation as the product is prepackaged and the main breaker/switch has access outside the enclosure.
✓ Multi-Winding Transformers	The transformer has multiple windings that divides the output power to individual outputs, each with 100VA of an available power provided by a 4 ampere circuit breaker and LED indicator.
✓ Environmentally Secure	Entire assembly comes enclosed in a metal enclosure designed and tested for ensuring operation in extreme temperatures, to keep your application running.
✓ Visible Certifications	Our product certifications and electrical ratings are clearly marked on the outside of the enclosure for easy reference during installation.
✓ 36-Month Warranty*	Every product is backed by our 36-Month Warranty—giving you confidence in the quality, reliability, and performance of components designed for the most demanding applications.
✓ Guaranteed Same-Day Shipping*	Product availability reduces inventory, and improves cash-flow—saving you money. With c3controls any order for standard catalog items received by 6:00pm ET is guaranteed to ship same-day.
✓ Advantage Pricing	Our approach to product development, manufacturing, and focus on servicing the OEM and Electrical Equipment Builder reduces cost. The result—the best value in the industry.

UNIQUE FEATURES

Availability of accessories

- Each rated enclosed power supply has an option to an accessory outlet available for convenience access to the power receptacle.

Innovative design/controlled and secure outputs

- The transformer steps down the input voltage to 24VAC at the output. Each 24VAC output has its own circuit breaker and ON/OFF switch to control specific outputs.

Enclosure

- The enclosure of S300 and S500 have optional separation between high and low voltage. The two separate compartments have different removable covers to access high and low voltage compartments and each being fastened by its own hardware.

Compact

- Ultra-compact design to save valuable space.

*See c3controls Terms & Conditions



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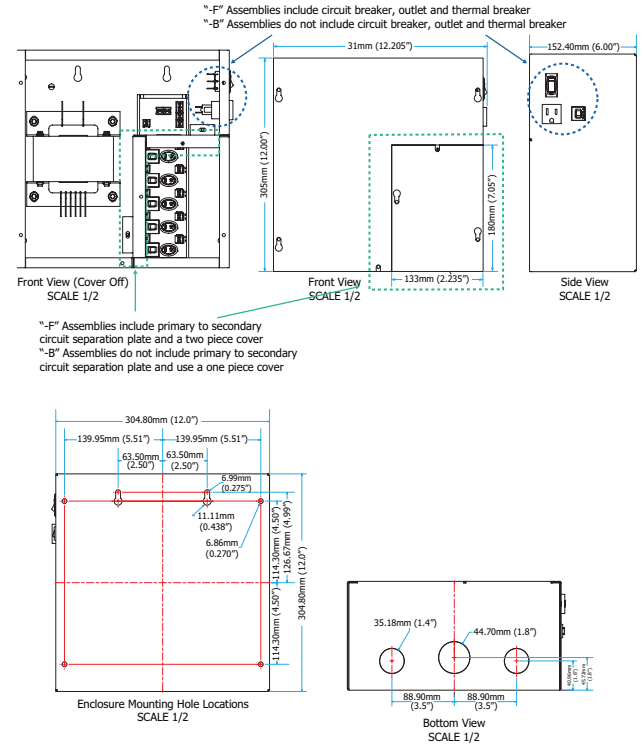
SPECIFICATIONS

		S500	S300	S100	D100
	UNITS				
TRANSFORMER					
Transformer Size	VA	500	300	100	100
Number of Transformers		1	1	1	2
INPUT CIRCUIT (PRIMARY)					
Input Voltage		120VAC 60 Hz			
Input Terminals					
Wire Range/Size	AWG	24 - 12			
Terminal Torque	in-lbs	4.5			
Convenience Receptacle(s)		NEMA 5-15R 125VAC 15A			
-F Assemblies		1	1	2	2
-B Assemblies		—	—	2	2
Overcurrent Protection					
-F Assemblies		10A UL1077 Circuit Breaker			
-B Assemblies		No provided input circuit overcurrent protection			
OUTPUT CIRCUIT(S)					
Number of Output Circuits		5	3	1	2
Output Rating (Each)		100VA ungrounded Class 2 (UL Listed)			
Output Voltage		24VAC 60Hz			
Output Terminals					
Wire Range/Size	AWG	24 - 12		26 - 14	
Terminal Torque	in-lbs	4.4		7	
ENVIRONMENTAL RATING					
		NEMA Type 1			
ENCLOSURE MATERIAL					
		Carbon Steel			
ENCLOSURE DIMENSIONS					
		See dimensional drawings			
UL STANDARDS					
		UL 916 Listed, UL File #: E530348 Designed for UL 916 with Class 2 Output Circuits			
ROHS COMPLIANCE					
		For documentation by product, refer to c3controls.com.			

For complete ratings and detailed specifications refer to c3controls.com.

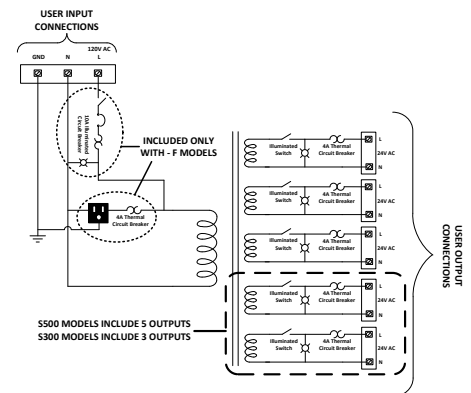
DIMENSIONS

EPS-S500AC5-120-24 & EPS-S300AC3-120-24 Assemblies



WIRING SCHEMATICS

EPS-S500AC5-120-24 & EPS-S300AC3-120-24 Assemblies



CERTIFICATIONS

Conformity to Standards:
UL 916

Certifications:
UL File #: E530348



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