

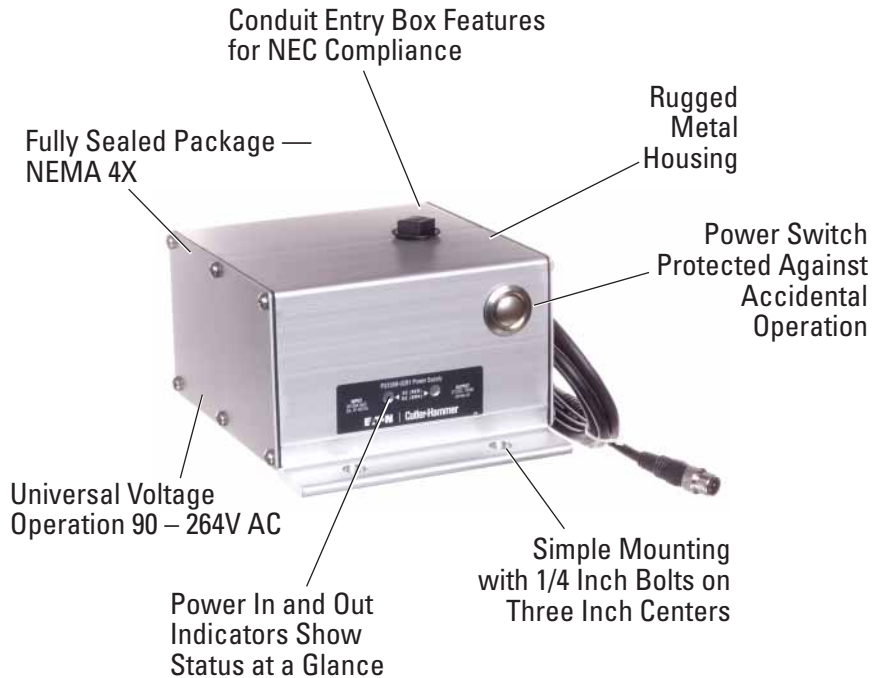
Sensor Power Supply

Finally, a Power Supply with All of the Features Needed for Material Handling Use in a Rugged, Compact, Sealed Housing

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The Cutler-Hammer® Sensor Power Supply by Eaton's electrical business was specially designed to be used with the 200 Series and E68 Series Zero Pressure Accumulation Systems, but is also suitable for use in a wide variety of general material handling applications. The unit delivers 100W output at 27V DC and supports easy, Class II wiring. The power supply is a tamper-proof, rugged component easily mounted to a conveyor side-channel or support. Internal components are fully protected in a sealed metal housing to stand up to rugged application, ensuring flawless performance in any material handling environment.



Approvals


- Contact Factory for latest approvals on this new product.

Unless otherwise noted, the products contained in this document are not designed or intended for use in human safety applications.

Product Features

- Integrated AC junction box features for one-step mounting and wiring without the need for additional accessories or enclosures
- Built-in DC power health contact allows easy monitoring of power supply status
- Unique design features a tamper-proof sealed construction to reduce the risk of damage associated with conventional open control-panel type supplies
- Built-in slug-release input converts an AC or DC input to the appropriate DC signal for integration with the 200 Series and E68 Series Zero Pressure Accumulation Systems
- Dual output connection terminals to make it easy and convenient to locate the power supply at the center of the cable run

Model Selection

	Operating Voltage	Output	Slug Input	Type	Slug Output	Catalog Number
	100 – 250V AC	27V DC, 100W; short circuit, overload and overvoltage protection (cycle power to reset)	15 – 132V AC/DC 3 mA minimum	Standard For use with 200 series and E68 systems	Sinking or Sourcing, switch selectable; 80 mA maximum; short circuit protection for loads less than 32V AC or DC (auto reset)	PS256B-01B1
				High Current Slug For use with solenoid valve systems requiring full current slug signals	Sinking only; 100W output; short circuit, overload and overvoltage protection (cycle power to reset) ①	PS256B-04B1

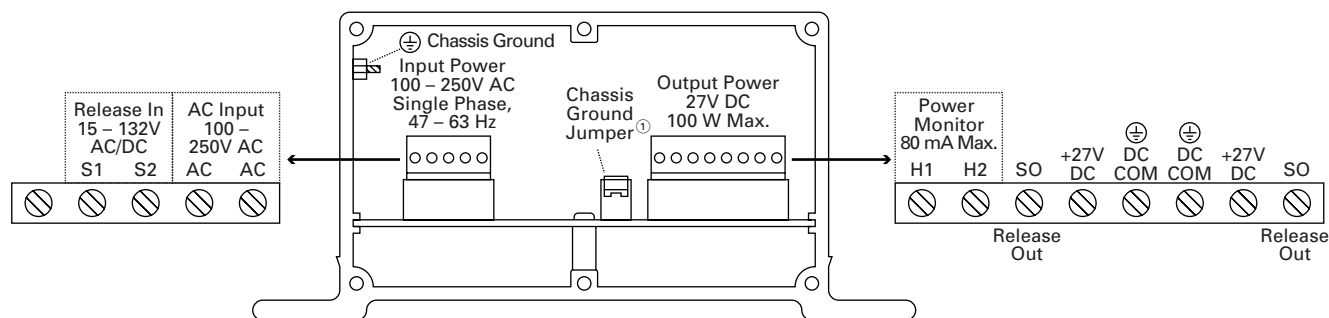
① Total output power of supply is 100W. Total supply output power (100W) = main output power + slug output power.

For Customer Service in the U.S. call **1-877-ETN CARE (386-2273)**,
in Canada call **1-800-268-3578**.
For Application Assistance in the U.S. and Canada
call **1-800-426-9184**.

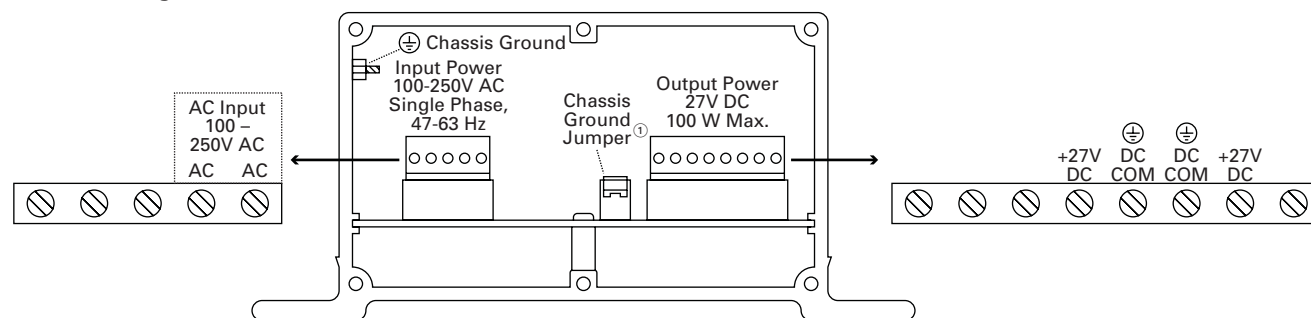
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Wiring Diagrams

Models Ending 01B1, 04B1, 05B1



Models Ending 02B1



① Install jumper for single power supply systems. In systems where multiple power supplies are connected to a DC bus, install the jumper in only one supply.

Specifications

	PS256B-01B1	PS256B-02B1	PS256B-04B1	PS256B-05B1
Input Power	115W, Maximum inrush 30A from cold start			
Input Voltage	100 – 250V AC			
Input Current (Full Load)	115V AC — 2A, 230V AC — 1A			
Output Power	100W			
Output Voltage	27V DC			
Output Protection	Short circuit, overload and overvoltage protection (Auto-Reset)			
Regulation	±3%			
Slug Input	15 – 132V AC/DC	None	15 – 132V AC/DC	
Slug Output	Sinking or Sourcing, switch selectable; 80 mA maximum; short circuit protection for loads less than 32V AC or DC (auto reset)	None	Sinking only; 100W output; short circuit, overload and overvoltage protection (cycle power to reset) ②	
Indicators	Red LED: AC In; Green LED: DC Out			
DC Power Monitor Output	N.O. contact, solid-state relay, 80 mA maximum	None	N.O. contact, solid-state relay, 80 mA maximum	
Temperature Range	-13° to 131°F (-25° to 55°C)			
Vibration	IEC 68-2-6 Test FC 10g			
Enclosure Material	Aluminum			
Enclosure Rating	NEMA 4X			
Connections DC AC	Main Output/Slug Output: One 6-position plug-in style connector ③ AC Line Input, DC Fail Indication and Slug Input: One 7-position plug-in style connector ④			

② Total output power of supply is 100W. Total supply output power (100W) = main output power + slug output power.

③ On Model PS256B-05B1, a single 12 mm DC key micro-connector is mounted to the outside of the enclosure and pre-wired to the internal connector (see above).

④ On Model PS256B-02B1, DC Fail Indication and Slug Input Terminals are not active.

Approximate Dimensions in Inches (mm)

