

**Sensor Power Supply**

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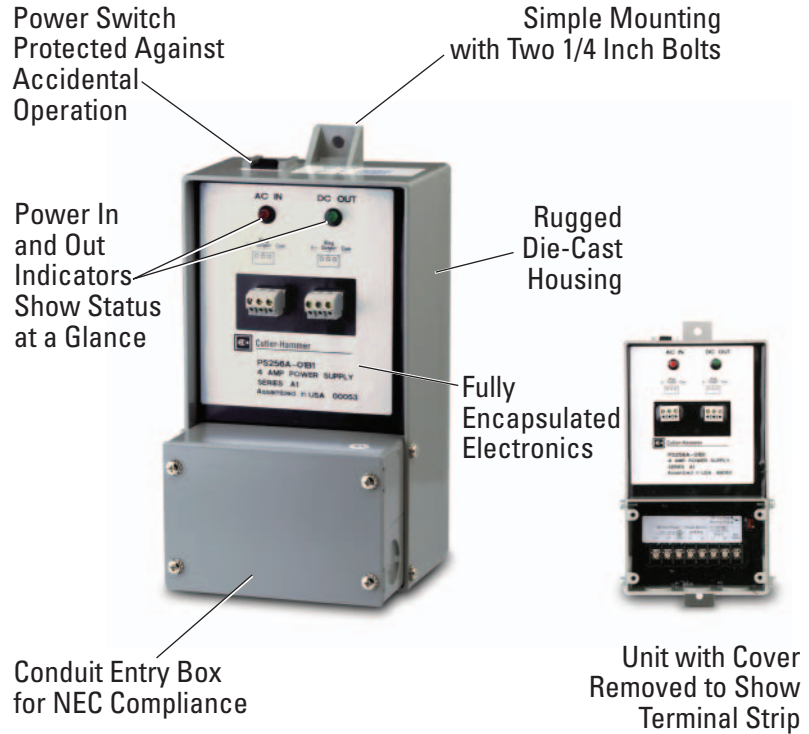
The Cutler-Hammer® Sensor Power Supply by Eaton’s electrical business was specially designed to be used with the 200 Series and E68 Series Zero Pressure Accumulation Systems, but is also suitable for use in a wide variety of general material handling applications. The unit delivers 100W output at 27V 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 encapsulated in a strong die-cast housing to stand up to rugged handling, ensuring flawless performance in any material handling environment.

**Approvals**

- UL Listed
- cUL Approved

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


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



**Product Features**

- Integrated AC junction box for one-step mounting and wiring without the need for additional accessories
- Built-in DC power health contact allows easy monitoring of power supply status
- Unitized design features a tamper-proof encapsulated construction to reduce the risk of damage associated with conventional open control-panel type construction
- 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**

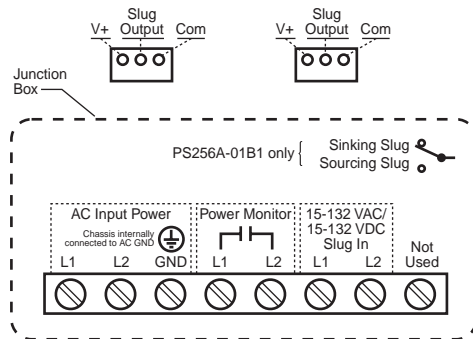
	Operating Voltage	Output	Slug Input	Type	Slug Output	Catalog Number
	105 – 132V AC	27V DC, 100W; short circuit, overload and overvoltage protection (cycle power to reset)	15 – 132V AC/DC 3 mA minimum	Standard For use with 200 series and E68 systems	Sinking or Sourcing, switch selectable; 80 mA maximum; short circuit protection for loads less than 32V AC or DC (auto reset)	<b>PS256A-01B1</b>
				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	<b>PS256A-04B1</b>

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

■ Stocked product, typical order quantities guaranteed in stock.

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**.

### Wiring Diagram



### Specifications

	PS256A-01B1	PS256A-04B1
Input Power	144W, Maximum inrush 30A from cold start	
Input Voltage	105 – 132V AC	
Input Current (Full Load)	105V AC — 1.92A, 115V AC — 1.65A, 132V AC — 1.5A	
Output Power	100W	
Output Voltage	27V DC	
Output Protection	Short circuit, overload and overvoltage protection (cycle power to reset), diode protected	
Regulation	±3%	
Slug Input	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)	Sinking only; 100W output; short circuit, overload and overvoltage protection (cycle power to reset) ①
Indicators	Red LED: AC In; Green LED: DC Out	
DC Fail Indication Output	N.O. contact, solid-state relay, 80 mA maximum	
Temperature Range	-13° to 131°F (-25° to 55°C)	
Vibration	20g	
Enclosure Material	Die-cast aluminum	
Enclosure Rating	NEMA 1	
Connections	Main Output/Slug Output: Two three-position finger protected barrier strips; AC Line Input, DC Fail Indication and Slug Input: 8-position screw terminal strip inside conduit entry box	

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

### Dimensions in Inches (mm)

