

# 175290.00, 175291.00 AND 175292.00

These low voltage PWM drives were designed for applications running from a DC power supply or DC battery power. These drives provide continuous current ratings and higher bus capacitance (to better handle ripple currents) than competitive units.

They're ideal for many types of portable equipment, especially battery-powered equipment due to their ability to maintain variable speed control as the battery discharges. This results in an overall increase in running time of the equipment.

With a 150% overload capacity, an inhibit function for remote starting and stopping, a power LED and non-interactive trimmer pots, these drives stand out among the many DC input drive options.

## FEATURES

**Ideal for Battery Powered Equipment** – Maintains both set and/ or variable speed control even as battery voltage declines. Extends total running time of equipment.

**Stopping Modes** - Inhibit (N.O.) for coasting to a stop. Can be used for frequent starting and stopping.

**UL Listed** - UL Listed low voltage device.

**Diagnostic LEDs** - Power

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## SPECIFICATIONS

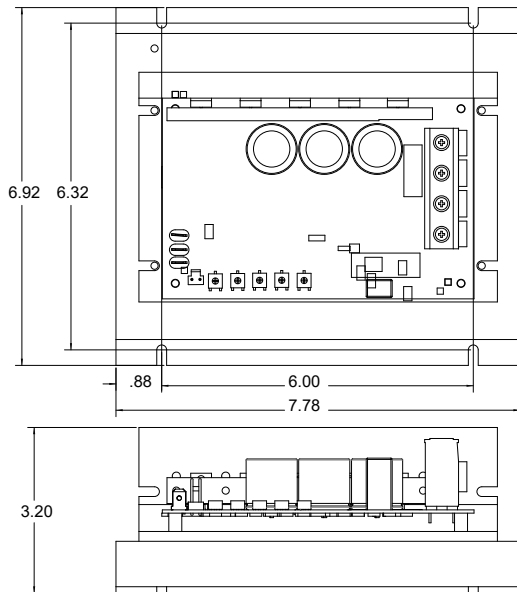
- DC Source Voltage 175290.00 and 175291.00: 10 - 32 VDC  
175292.00: 32 - 50 VDC
- DC Output Voltage: Up to 95% of input voltage
- Acceleration Time Range: 0.5 - 10 seconds
- Analog Signal Range: 0 - 10 VDC
- Input Impedance (S1 to S2): 200K  $\Omega$  Form Factor 1.01
- Load Regulation: 1% of base speed or better
- Speed Range: 80:1
- Ambient Temperature Range: 10°C - 40°C

## ORDERING INFO

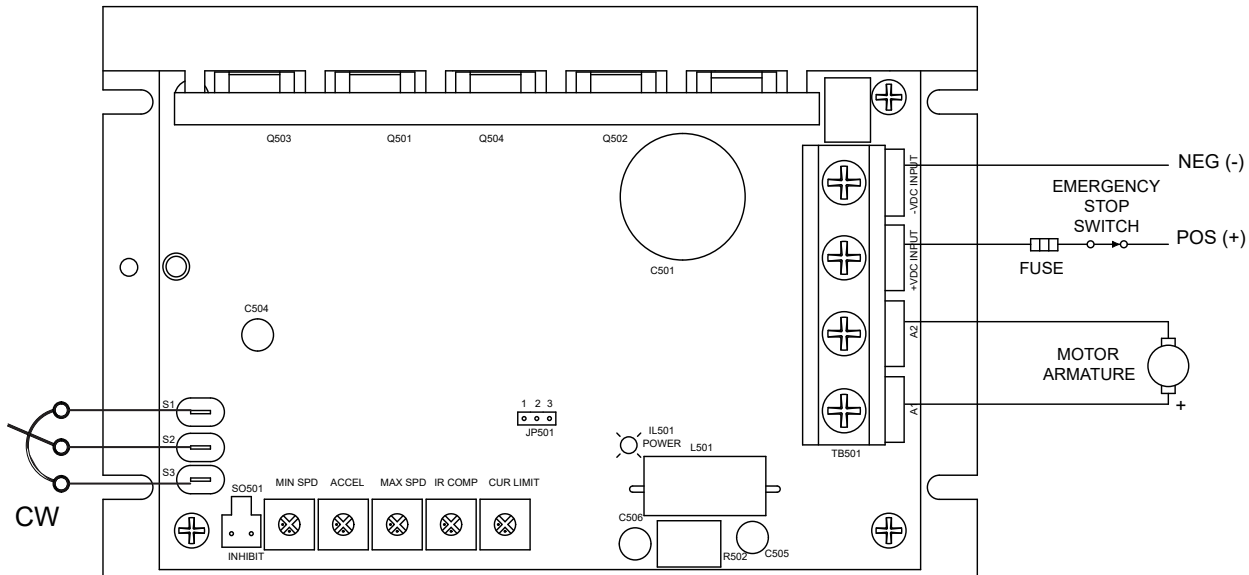
MODEL #	ENCLOSURE	MAXIMUM CURRENT (ADC)	INPUT VOLTAGE (VAC)	OUTPUT VOLTAGE (VDC)	POWER RANGE		BRAKING	REVERSING	ISOLATION
					HP	KW			
175290.00	CHASSIS	16	12	0-12	1/20-1/5	.04-.15	NO	NO	NO
			24	0-12	1/20-1/5	.04-.15			
				0-24	1/10-2/5	.07-.30			
175291.00	CHASSIS	60	12	0-12	1/8-3/4	.09-.56	NO	NO	NO
			24	0-12	1/8-3/4	.09-.56			
				0-24	1/4-1 1/2	.19-1.1			
175292.00	CHASSIS	60	36	0-36	1/3-2 1/4	.25-1.7	NO	NO	NO
			48	0-36	1/3-2 1/4	.25-1.7			
				0-48	1/2-1/3	.37-2.2			

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## DIMENSIONAL DRAWINGS — INCHES [MILLIMETERS]



## WIRING



## TRIM POTS

- Acceleration
- Maximum Speed
- Current Limit
- Minimum Speed
- IR Compensation

## ACCESSORIES

- 900282.01:** Inhibit Plug with 18" wire leads
- 006708.01:** Potentiometer kit (included with purchase of drive)

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It's the result of decisions well made, and commitments perfectly executed. When we do things right, your growth is impacted as well. From solutions that save energy and money, to robust systems that keep you up and running, we'll anticipate your needs and deliver beyond your expectations. See what deep roots, a strong core product line, talented teams and a commitment to excellence can do for you. We invite you to grow with Regal.



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**APPLICATION CONSIDERATIONS**

The proper selection and application of power transmission products and components, including the related area of product safety, is the responsibility of the customer. Operating and performance requirements and potential associated issues will vary appreciably depending upon the use and application of such products and components. The scope of the technical and application information included in this publication is necessarily limited. Unusual operating environments and conditions, lubrication requirements, loading supports, and other factors can materially affect the application and operating results of the products and components and the customer should carefully review its requirements. Any technical advice or review furnished by Regal Beloit America, Inc. and/or its affiliates ("Regal") with respect to the use of products and components is given in good faith and without charge, and Regal assumes no obligation or liability for the advice given, or results obtained, all such advice and review being given and accepted at customer's risk.

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