



RoHS
COMPLIANT



M1740008.00

DC DRIVE-1Q PWM-NEMA 1

For applications requiring basic drive protection from falling objects or incidental contact, Regal offers the LEESON® M1740008.00, a low cost, high performance pulse-width-modulation (PWM) DC motor speed drive housed within a NEMA 1 enclosure. This filtered drive has a power-on LED and a power switch/speed adjust knob located on the front of the case. With a 115 VAC input, the drive controls 130 VDC brushed-type motors.

The drives accept any voltage ranging from 90 to 130 VAC and contains an inexpensive unipolar power supply which enables it to accept any DC voltage input between 100 and 160 VDC. The PWM drives yield a constant 1.05 form factor over the 80:1 speed range resulting in smooth, quiet, cool, and low maintenance motor operation.

FEATURES

NEMA 1 Enclosure - Prevents accidental contact with circuit board.

Built-in Power Switch - The potentiometer also acts as the power switch.

Line Fusing - Includes two on-board fuses.

Case LEDs - Power.

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SPECIFICATIONS

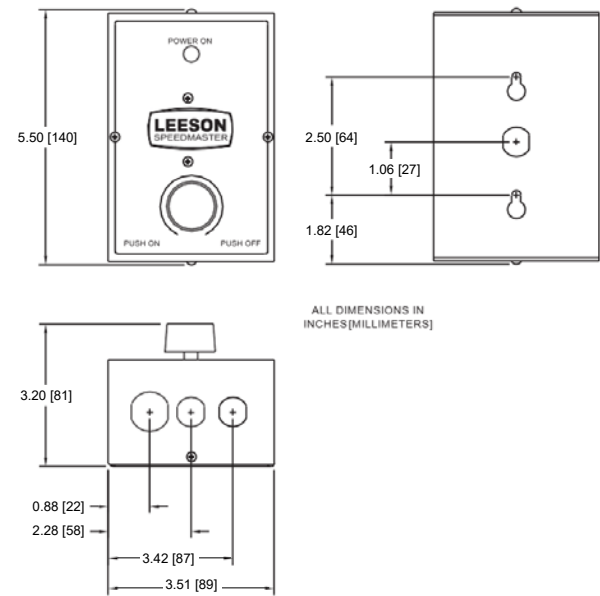
- AC Line Voltage: 115 / 230 VAC, $\pm 10\%$, 50/60 Hz, 1Ø
- Acceleration Time Range: 1 second
- Deceleration Time Range: 1 second
- Form Factor: 1.05
- Load Regulation: 1 % of base speed or better
- Speed Range: 80:1
- Ambient Temperature Range: 10°C - 40°C

ORDERING INFO

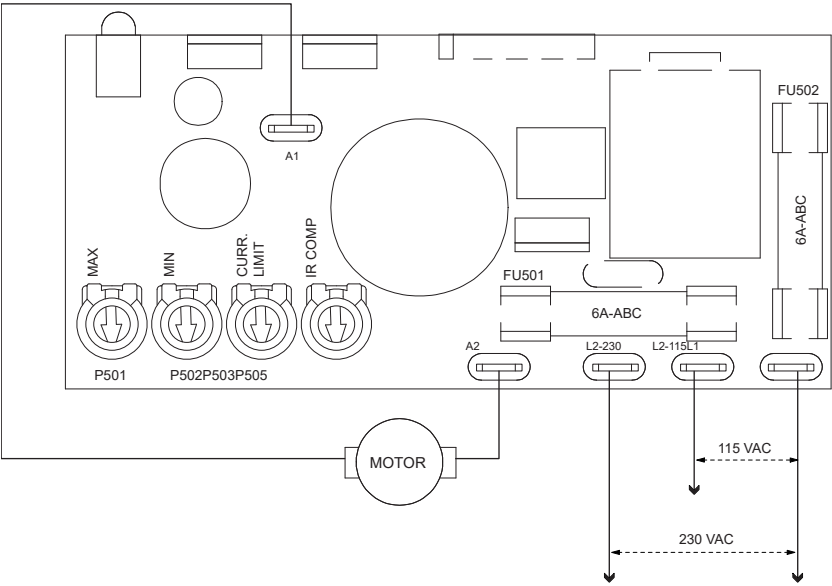
MODEL #	ENCLOSURE	MAXIMUM CURRENT (ADC)	INPUT VOLTAGE (VAC)	OUTPUT VOLTAGE (VDC)	POWER RANGE		FIELD/ SHUNT SUPPLY (VDC)	BRAKING	REVERSING	ISOLATION
					HP	KW				
M1740008.00	NEMA 1	1.5	115	0-130	1/20-1/8	.04-.19	NO	NO	NO	NO
			230	0-130	1/20-1/8	.04-.19				
				0-240	1/10-1/4	.07-.19				

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DIMENSIONAL DRAWINGS — INCHES [MILLIMETERS]



WIRING



TRIM POTS

- Current Limit
- Maximum Speed IR Compensation
- Minimum Speed

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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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