



Speed and Direction Control for 90 or 130 VDC PMDC Gearmotors and Motors

The type WPM filtered control provides smooth speed control for PMDC gearmotors and motors. The WPM is a pulse width modulated (PWM) control that provides high torque and lower motor operating temperatures. It is housed in a NEMA 1/IP-20 enclosure. The Forward-Brake-Reverse switch provides dynamic braking for applications where the motor needs to be manually infrequently reversed, or as a setup function in an application. Simple trim pot adjustments eliminate the computer-like programming required in other drives. DIP switches allow the control to be easily calibrated for different size motors.

- **Input:** 115 VAC, 50/60 Hz, 1-phase
- **Output Voltage:** 0-130 VDC
- **Filtered DC Output:** for cooler motor operation, longer brush life, lower audible noise, and wider speed range
- **Inhibit Function:** connections for optional user-supplied inhibit switch available
- **Forward-Brake-Reverse (FBR) Switch for Dynamic Braking:** reverse direction after gearmotor/motor comes to a full stop
- **Two Diagnostic LEDs:** indicate when power is on and when current output is at limit set by TORQ pot
- **User-Adjustable Pots:**
 TORQ (current) limit—protects system from sustained overloads
 MIN speed limit—sets minimum speed
 MAX speed limit—sets maximum speed
 ACC—sets acceleration/deceleration time
 REG—adjusts IR compensation
- **Power Cord:** included, 6-foot with North American 3-prong connector

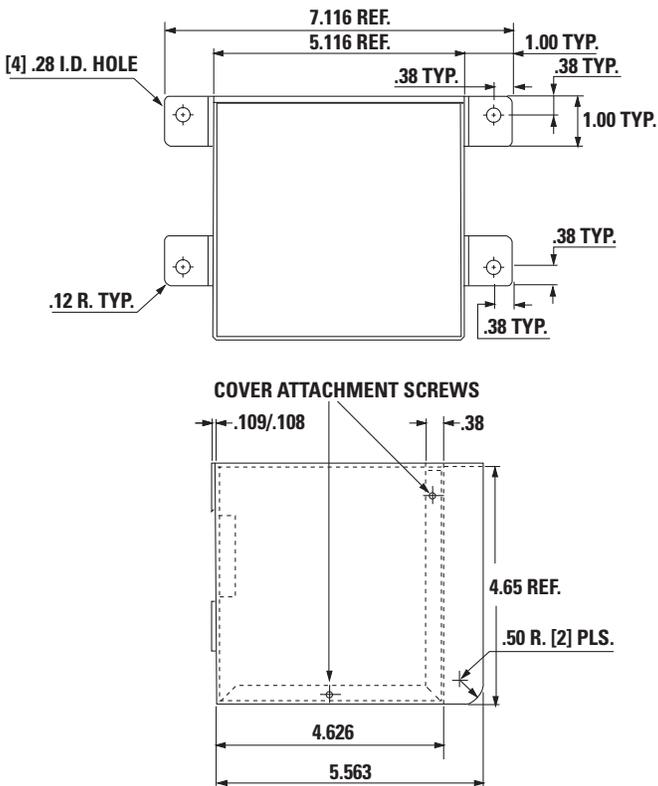


Typical Applications

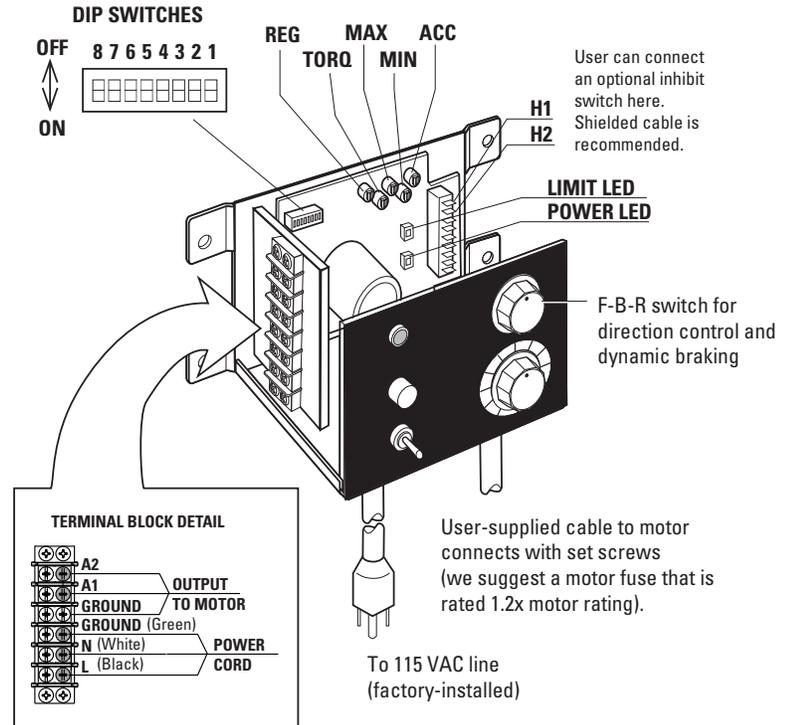
Ideal for use in bi-directional applications such as conveyors, packaging machines, screen printing equipment, conveyor ovens (food processing applications), medical devices, lab instrumentation and labeling equipment.

Motor HP Rating	Control Input V (VAC)	Motor Rating (VDC)	Continuous Output Current (Amps)	Peak Output Current (Amps)	FF	Product Type	Model Number
7/16 @ 90 V 5/8 @ 130 V	115	90 or 130	3.7	7.1	1.0	WPM-2148E1	0794

WPM Dimensions (inches)



WPM Connections



Bodine offers over 1,200 standard gearmotors, motors and system-matched speed controls.

Visit www.bodine-electric.com for all your motion control needs.

Bodine offers the widest selection of variable-speed AC, permanent magnet DC and brushless DC fractional horsepower gearmotors and motors in the industry. For complete specifications, 2D/3D CAD drawings, or to order online, visit bodine-electric.com.

