



Servo Amplifier PMA 90/180



Ability to control either brushed or brushless motors all in one. The 40kHz PWM frequency, double that of most conventional drives, enables direct connection to PML motors without an external choke. The compact design and small footprint also saves space.

Designed for applications with brushed DC motors, low inductance printed armature motors or brushless DC motors up to 750W. Compact and easy to set-up, whether used in standalone or with digital motion controllers.

Features include amplifier enable and direction enable inputs (for connection to limit switches), full motor/drive protection, and potentiometer operation as an on-board full range reference signal.

Input gain, loop gain, offset parameters, component carrier and mode switches are adjustable. Configurable peak and continuous current limits allow high acceleration without sacrificing protection against continuous overloads. Peak current time can be adjusted from 50 ms to 3 sec.

STANDARD BENEFITS

- 18 to 180VDC single power supply
- Up to 20A peak / 12A continuous current
- 40kHz PWM frequency
- 5 Selectable modes
- Individually adjustable continuous and peak current limits
- Comprehensive short-circuit protection
- Internal fast blowing fuse for maximum safety
- Over/under voltage shutdown
- No integrator windup during power-up or if the amplifier is disabled
- Four quadrant regenerative operation
- Small footprint, low cost, easy to use

For more information on the technical specifications visit www.pmlflightlink.com.

For further information ►

MOTORS SUPPORTED

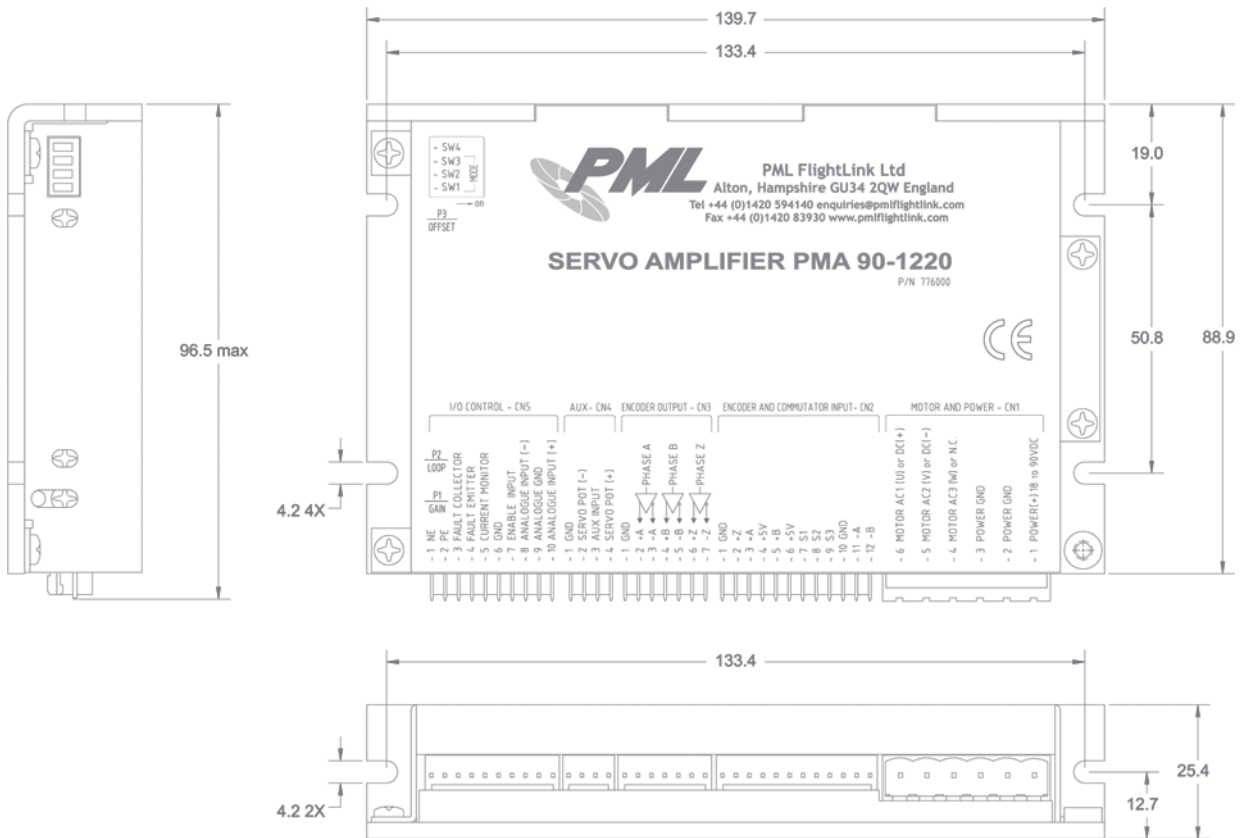
- Brushless DC 60°/120° commutated
- Brushed DC
- Printed Armature DC motors



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DIMENSION DRAWING

All dimensions in mm.



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