



## Intelligent Servo Drive PMC 90



*This powerful, fully programmable unit features built-in motion control and the ability to accept up to 31 drives daisy chained on a RS-485 network. The compact design and small footprint also saves space.*

Single-axis motion controller with integrated servo amplifier designed for applications using brushless (AC) or brush-commutated (DC) motors up to 1 HP. No jumpers or setup is required to switch between both types of motors. Trapezoidal brushless motor commutation and feedback is automatic if hall sensors are connected, and encoders are not required.

Up to 31 intelligent servo drives can be controlled over a multi-drop full duplex RS-485 network in a distributed motion control environment. Standard RJ-45 connectors and commercially available cables are used for daisy chaining of modules. PMC 90 is equipped with a wide range of built in safety features.

### STANDARD BENEFITS

- Up to 20A peak / 12A continuous current
- 12 to 90V single power supply
- PWM frequency 40 kHz
- Hall velocity mode
- 32-bit position, velocity, acceleration
- 16-bit PID filter gain values
- Comprehensive motor output short-circuit protection
- Adjustable motor current limit
- Over/under voltage shutdown
- Overheating protection
- Emergency stop input
- Forward and reverse overtravel inputs
- Communication speed 19.2 - 115.2 KBPS
- Servo rate 2 kHz
- Command rate up to 1000/sec
- Encoder transition rate up to 500 kHz

For more information on the technical specifications visit [www.pmlflightlink.com](http://www.pmlflightlink.com).

For further information ►

### MOTORS SUPPORTED

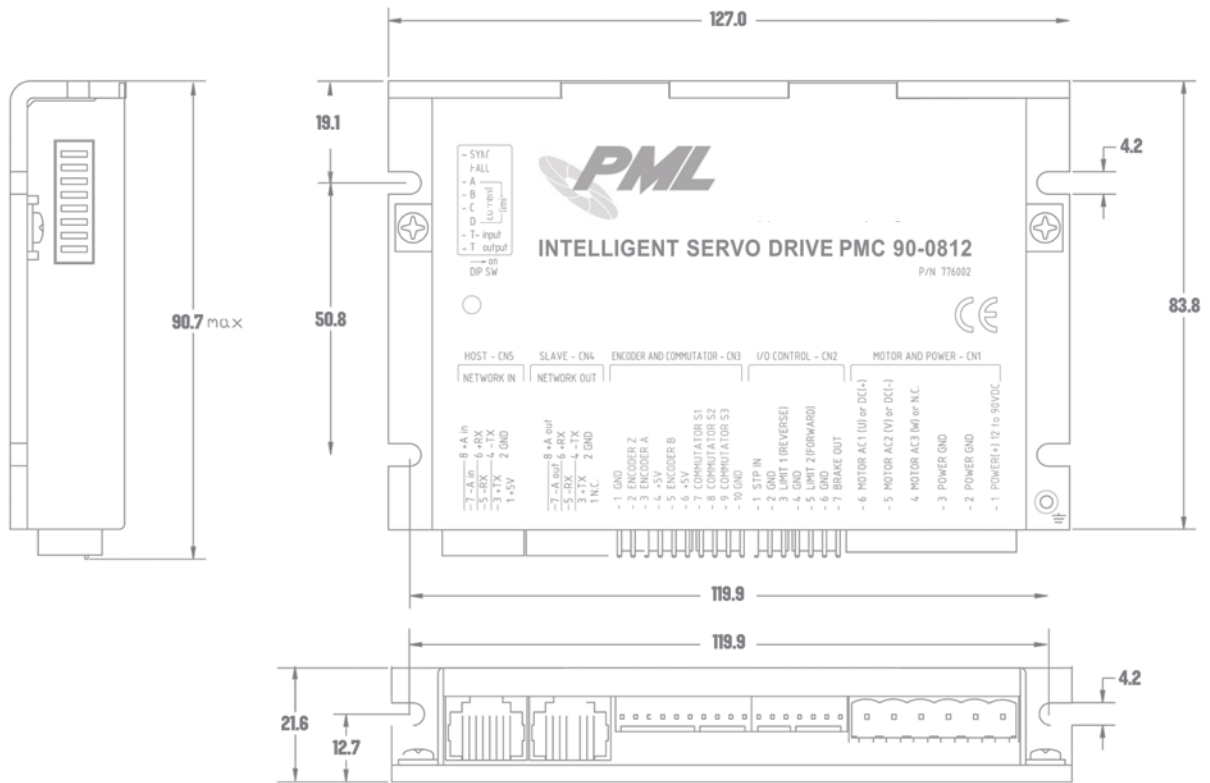
- Brushless DC 60°/120° commutated
- Brushed DC
- Printed Armature DC motors



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## DIMENSION DRAWING

All dimensions in mm.



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