

Custom Solutions.
Comprehensive Support.

ESI™ products power fitness equipment used in homes, health clubs and rehabilitation clinics. Backed by comprehensive support from product development and design through manufacturing and service, ESI offers custom solutions to meet the needs of today's demanding users.

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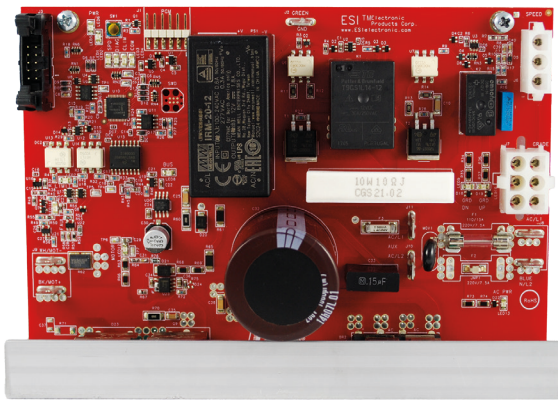


MADE IN THE USA
Designed, manufactured
and supported in the USA

PWM to extend the life of your motor

PACE | Performance PWM Treadmill Drive

Easily upgrade or add new features and equipment with this adaptable, CPU-based smart board.



Powerful, quiet, efficient PWM belt speed control, incline control, and console power. Facilitates console requirements with adaptable control inputs and communication protocols. Built-in CPU runs all control loops internally instead of from console, resulting in better control of the motors and ability to add new features. Smart power control, safety, and service monitoring is built in.

Tech Specs

- 4 HP DC belt motor PWM drive
- 1/2 HP AC incline motor drive
- Solid state incline control with pot feedback
- 12 volt 20W console power supply; separately fused
- RS485 serial control interface, Modbus protocol
- TTL Serial control interface, custom protocol
- Belt drive speed software controlled; therefore, no speed or IR compensation adjustments are required
- Belt drive high-speed current and power limiting for all speed and load conditions
- Belt foot plant cadence & stride length detection
- Thermal monitoring and shutdown
- Belt wear monitoring and reporting
- Extensive monitoring & error reporting
- AC line soft start limitation of inrush current on power up
- Support for off board power supply
- Can support 110V and 220V configurations
- Optional support for belt direction reversal



Call now to start a conversation.
No cost. No obligation.

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