

PTC: Programmable Traction Control

AC Series M | SCR Series M | MG | Group VVMC/VFMC*

Field programmable controls for value-priced traction elevator performance

Programmable Traction Control offers microprocessor-based programmable elevator controls with velocity feedback and superior performance for geared elevators to 350 fpm (1.78 mps) with either DC or AC motors. PTC is the flagship of our VVMC-1000 series, widely recognized for field-proven reliability.

Easy to use

A user-friendly LCD gives you access to a comprehensive list of options — programmed easily using 32-character alphanumeric display — with over 100 pre-programmed functions for maximum field flexibility.

Field programmable

Field programmable features include: door functions, building configuration (landings, front/rear doors and hospital emergency service), fire codes (choose from over a dozen different codes), and spare inputs and outputs. Some features may require additional hardware.

Simplified maintenance

Easily understood car status messages simplify troubleshooting, while advanced internal diagnostics help identify problem sources. System “flags” and memory are also accessible for advanced diagnostic work.



PTC-AC Series M

*Group applications not field programmable.

Advantages

- Low cost
- Fast, easy setup and reconfiguration
- Digital/analog technology, an innovative microchip and a powerful processor for maximum flexibility
- “Stepless” acceleration and deceleration for smooth operation
- Real-time, on-screen diagnostic aids

Applications

- Modernization or new construction
- Low-rise through mid-rise
- Geared
- Simplex or duplex
- Groups to 12 cars — VVMC/VFMC*
- 350 fpm, 1.78 mps

Benefits

- Non-proprietary
- Field programmable*
- Saves time, which saves money
- Set-and-forget reliability
- Lifetime technical support

Features/options

- SmarTraq™ door operator
- Factory matched motors
- CMS central monitoring system
- M3 group dispatching*
- Load weighing
- Choice of landing systems
- Multiple security options
- PowerBack™ AC regeneration system
- ASME A17.1-2000/B44-00 compliant
- Seismic sensor
- Counter weight displacement kit

www.mceinc.com

800.444.7442
916.463.9200

MCE
Motion Control Engineering®
A Kinetek Company®

The leader in non-proprietary controllers, technical services and repair solutions for elevator modernization.

PTC: Programmable Traction Control

AC Series M | SCR Series M | MG | Group VVMC/VFMC*

PTC specifications

	PTC-AC Series M	PTC-SCR Series M	PTC-MG
Maximum car speed	350 fpm, 1.78 mps	350 fpm, 1.78 mps	350 fpm, 1.78 mps
Configuration	Simplex and duplex	Simplex and duplex	Simplex and duplex
Landings	32	32	32
Drive type	16K pulse width modulation flux vector	DC six-pulse	Ward Leonard
Motor control	Open loop/velocity feedback	Velocity feedback	Velocity feedback
Landing systems	LS-STAN (vanesswitches) LS-QUTE (solid tape/magnets)	LS-STAN (vanesswitches) LS-QUTE (solid tape/magnets)	LS-STAN (vanesswitches) LS-QUTE (solid tape/magnets)
System access	LCD (Terminal optional)	LCD (Terminal optional)	LCD (Terminal optional)
Monitoring	Central or remote via CMS central monitoring system with multiple connectivity options		
Environment	32–104°F, 0–40°C, humidity non-condensing up to 95%; harsh environment rugged service options available		
Standard enclosure	57" w x 36" h x 12" d, 1447.8 x 914.4 x 304.8 mm Enclosure size may increase per specific application		

PTC controller family

PTC-AC Series M

- Available with a variety of flux vector AC drives to suit every budget for applications to 350 fpm, 1.78 mps.
- Offers dramatically simplified field adjustment, with smooth, "stepless" acceleration and deceleration.
- Virtually eliminates takeoff lag and raises the bar for geared AC performance.

PTC-SCR Series M

- Regenerative six-pulse drive technology for geared applications to 350 fpm, 1.78 mps.
- Field-proven Magnetek DSD 412 digital drive is the ideal mate for the PTC-SCR Series M controller.
- Preset drive parameters and adaptive tuning facilitate quick and easy final adjustment. Trim pots have been eliminated to ensure years of reliable, trouble-free operation.
- The compact, wall-mount package is available for lower horsepower applications, while vertical cabinets are supplied for projects to 75 HP.

VVMC/VFMC Series for group operation

- This non-programmable controller is used in conjunction with the M3 group dispatcher. Capabilities range to 12 cars serving 64 landings.
- Easily installed, it facilitates sophisticated ETA dispatching, which ensures the shortest possible waiting time for passengers.
- Traffic is re-evaluated ten times per second, which eliminates needless elevator trips. This efficiency minimizes equipment wear and tear, and helps reduce maintenance costs.

*Group applications not field programmable.

www.mceinc.com

800.444.7442
916.463.9200

MCE
Motion Control Engineering®
A Kinetek Company®

The leader in non-proprietary controllers, technical services and repair solutions for elevator modernization.

PTC-DS-03-0507