

Motion 2000™ Hydraulic Control

MCE's new Motion 2000 Hydraulic Elevator Control — State-of-the-art technology, simplicity and reliability

Motion Control Engineering — the industry's leading non-proprietary elevator control technology company — has developed **Motion 2000**, a hydraulic control solution that is simple to install and maintain; and our most reliable hydraulic controller to date. Designed to leverage advancements in MCE control technology, Motion 2000 supports simplex, duplex or group control for up to 6 cars with service to 9 or more landings.

Easy to install, use and maintain

Motion 2000 makes the jobs of installers, adjusters, and maintenance personnel as streamlined as possible. Feature-rich Motion 2000 includes the following:

- Simple interconnectivity and easy field expansion through CAN Bus technology, phone-style connectors and optimized field connection locations.
- Same straight-forward landing system user interface, switch programming, and LCD display as previous generation MCE controllers to minimize learning curve.
- Access to all system parameters for easy field programming through the hand-held user interface plugged into controller, COP or cartop CAN connection.
- Multiple, redundant, self-contained processors ensure reliable control and constant safety monitoring. Each processor is continuously aware of all system activity.
- Ethernet port (optional) supports real time connection to MCE iReport for current and historical performance, activity reporting and archival; to MCE iMonitor for remote monitoring and control; to MCE iLobby for eye-pleasing, graphic display of elevator group activity. IDS Lift-Net™ monitoring and control application also available using optional ethernet connection.

Motion 2000 uses a standard, wall-mount enclosure



Applications

- Modernization or new construction
- Simplex, duplex, or group control
- Groups up to 6 cars
- Service up to 9 landings and beyond

Benefits

- Serial COP dramatically reduces traveler wire count
- Solid state control replaces relays
- Universal I/O boards provide 16 independent channels; 24–120V AC or DC with built-in current limiting protection
- Enclosure knock-outs for easy installation
- Open architecture and simple phone-style connectors allow easy field expansion
- Programmable using standard MCE on-board display or hand-held (mPAC) user interface
- Simplified diagnostics using LED status indicators on most customer connections
- Expandable to four motor/valve combinations using additional interface boards
- Optional ethernet port for iReport or iMonitor connection (automated email notification through monitoring application)
- BMS Link/Lift-Net compatible using optional ethernet port

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MCE
Motion Control Engineering®

A Kinetek Company®

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

LiftNet is a trademark of Integrated Display Systems, Inc.

Motion 2000 specifications

Maximum car speed	200 fpm, 1.0 mps
Configuration	Simplex, duplex, group
Landings	Up to 9 landings and beyond
Motor control	Solid state, Wye/Delta or Across the Line
Landing system	LS-QUTE (solid tape/magnets) LS-STAN (vanesswitches)
System access	LCD and switches or hand-held user interface
Dispatching	Distributed control of up to 6 cars
Environment	32–104° F, 0–40° C, humidity non-condensing up to 95%; harsh environment rugged service available (NEMA 4, 4X, 12)
Standard enclosure	34" w x 31.5" h x 9" d (864 x 800 x 280 mm) includes knock-outs
Optional enclosure (Feature dependent)	36" w x 42" h x 9" d (914 x 1067 x 305 mm) includes knock-outs
Input	208–600 VAC, 50/60 Hz, single or 3-phase

Compliance

- ASME A17.1/CSA B44
- CSA B44.1/ASME A17.5
- BS EN 81
- AS 1735
- EN 12015 and 12016