Motion 2000™ Hydraulic Control

The simple, solid, dependable hydraulic elevator control

The all new **Motion 2000** hydraulic elevator control from MCE is built solidly upon the experience of our customers. Before we began designing, we analyzed years of comments and suggestions. Then made certain we were building the controller that both installers and building owners wanted us to build.

The Motion 2000 supports simplex, duplex, or group control for up to six cars serving up to thirty-two landings. Motion 2000 design achieves simple interconnectivity and easy field expansion through CAN Bus technology, phone-style connectors and optimized field connection locations.

MCE's Motion 2000 offers the same straight-forward user interface, switch programming, and LCD display as previous generation MCE controllers; no learning curve required. To make field programming even easier you can use the hand-held user interface plugged into a controller, COP or cartop CAN connection to access all system parameters. Motion 2000 uses multiple, redundant, self-contained processors for reliable control and constant safety monitoring. Through the CAN Bus, each processor is continuously aware of all system activity.

An optional Ethernet port 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 is available using the 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 32 landings

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
- Optimized customer connection points
- Open architecture and simple phone-style connectors allow easy field expansion
- Programmable using standard MCE switches (no learning curve) or hand-held user interface
- Simplified diagnostics using LED status indicators on most customer connections and an RS232 PC connection for detailed status monitoring
- Redundant, self-contained processors monitor safety, increase control reliability, and enhance noise immunity
- Expandable to four motor/valve combinations using additional interface boards
- Optional ethernet port for iReport or iMonitor connection (automated email notification through monitoring application)
- LiftNet compatible using optional ethernet port

www.mceinc.com
800.444.7442
916.463.9200

Motion Control Engineering®
A Kinetek Company®

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

Motion 2000 Hydraulic Control

Motion 2000 specifications

Maximum car speed	200 fpm, 1.0 mps
Configuration	Simplex, duplex, group
Landings	Up to 32 with 64 openings
Motor control	Solid state, Wye/Delta or Across the Line
Landing system	LS-QUTE (solid tape/magnets) LS-STAN (vanes/switches)
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 A17.1-2004/CSA B44-04
- CSA B44.1-04/ASME A17.5-2004
- BS EN 81
- AS 1735
- EN 12015 and 12016

www.mceinc.com

800.444.7442
916.463.9200

Motion Control Engineering®

A Kinetek Company®

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