

# Motion 2000™

## Motion Control Engineering, Inc. (MCE) HYDRAULIC ELEVATOR CONTROLS

### MCE 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 — provides a hydraulic control solution that is simple to install, simple to maintain, and is our most reliable hydraulic controller to date. **Motion 2000**. Designed to leverage advancements in MCE control technology, Motion 2000 supports simplex, duplex or group control for up to 6 cars serving up to 16 landings/32 openings.

#### 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:

- Simple interconnectivity and easy field expansion through CAN Bus technology, phone-style connectors and optimized field connection locations.
- The same straight-forward landing system, user interface, LCD display/keypad programming as previous generation MCE controllers minimize the learning curve.
- Factory pre-adjusted per job requirements.
- Easy, hand-held device (mPAC) lets you learn and adjust floor heights, allows car call entries. mPAC connects in the car, cartop or in the machine room.
- Hall call fixtures connected serially along a simple, four-wire drop, providing signal communication and fixture power.
- Multiple, redundant, self-contained processors ensure reliable control and constant safety monitoring. Each processor is continuously aware of all system activity.
- Available with HAPS battery lowering device from MCE or Reynolds and Reynolds 1POWERVATOR®.
- Ethernet port (optional) supports real time connection to MCE iReport for current and historical performance records, 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 1Lift-Net™ monitoring and control application also available.

Motion 2000 uses a standard, wall- or tank-mount enclosure



#### APPLICATIONS

- Modernization or new construction
- Simplex, duplex, or group control
- Groups up to 6 cars
- Service to 16 landings/32 openings

#### 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 reporting application)
- BMS Link/Lift-Net compatible using optional Ethernet port

#### COMPLIANCE

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



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## Motion 2000™ Specifications

<b>Maximum Car Speed</b>	200 fpm, 1.0 mps
<b>Configuration</b>	Simplex, duplex, group
<b>Landings</b>	16 landings/32 openings
<b>Drive type</b>	KEB TorqMax, Magnetek 900 HPV Series 2, or Magnetek Quattro AC MCE 12-Pulse SCR or Magnetek Quattro DC
<b>Motor Control</b>	Solid state, Wye/Delta or Across the Line
<b>Landing System</b>	LS-QUTE (solid tape/magnets) LS-STAN (vaness/switches)
<b>Setup</b>	LCD and switches or hand-held user interface
<b>Dispatching</b>	Groups to 6 cars
<b>Environment</b>	32–104° F, 0–40° C, humidity non-condensing up to 95%; harsh environment rugged service available (NEMA 4, 4X, 12)
<b>Standard enclosure</b>	34" w x 31.5" h x 9" d (864 x 800 x 280 mm) includes knock-outs
<b>Optional enclosure (Feature dependent)</b>	36" w x 42" h x 9" d (914 x 1067 x 305 mm) includes knock-outs
<b>Input</b>	208–600 VAC, 50/60 Hz, single or 3-phase