Motion 4000™

Motion Control Engineering, Inc. (MCE)
TRACTION ELEVATOR CONTROLS

Motion 4000™ Traction Control

Ideal traction control solution for low-rise to mid-rise projects

The MCE **Motion 4000™** traction elevator control is designed to squarely meet the needs of elevator installations requiring speeds to 500 feet per minute, service up to 32 landings/64 openings, and elevator groups to 6 cars. Motion 4000 makes the jobs of installers, adjusters, and maintenance personnel as straightforward as possible, stressing minimal hardware requirements, "out-of-the-box" job readiness, and simple adjustment.

Installers

- Choose the landing system that suits the job. ELGO for fewer hardware requirements, LS-EDGE for specific code or NEMA 4X installations or LS-RAIL compact, tapeless system that is mounted onto the rollers.
- Final limits must be physical switches. Slowdowns may be virtual, saving installation time and effort. If required, ETS may also be virtual for ELGO landing systems; LS-EDGE systems use ETS magnets.
- Hall call fixtures are connected serially along a simple, four-wire drop, providing signal communication and fixture power.
- Universal I/O boards for field connections accept 24 to 120-volt inputs, AC or DC.

Adjusters

- 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.
- Simple LCD display/keypad parameter entry.

Maintenance

- Plug the hand-held mPAC device into any controller or car CAN Bus port and diagnose the entire system.
- Multiple, redundant, self-contained processors ensure reliable control and constant safety monitoring. Each processor is continuously aware of all system activity.
- Components shared with MCE's Motion 2000 hydraulic controller.
- Available MCE TAPS (Traction Auxiliary Power Supply) for automated rescue in the event of power failure.
- Built-in event log with 100 events.

[1]Lift-Net™ is a trademark of Integrated Display Systems, Inc.

BENEFITS

- Absolute position/distance feedback
- Low- and mid-rise applications
- Up to 500 fpm (2.5 m/s), 32 stops, simplex/duplex/groups to 6 cars
- Front and rear openings (32 each)
- Minimal traveler and hoistway cable wire counts; minimal compensation requirement
- Universal I/O with built-in protection
- Easy setup and diagnostics
- PC configuration tool — mView
- Seamlessly integrated with iMonitor, iReport and BMS Link. [1]Lift-Net™ compatible.
- Short floor minimum 3"

FEATURES

- Serial hall call (optional)
- Serial COP (optional)
- Full distance feedback
- Universal I/O (24 to 120V AC or DC)
- ACPM or AC induction motor compatible
- Serial PI and voice annunciation interface
- iMonitor, iReport, iLobby, BMS Link or Lift-Net™ ready (monitoring, reporting, lobby display)
- Onboard event log, up to 100 events

COMPLIANCE

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

Nidec All for dreams
MCE Motion Control Engineering®
The leader in non-proprietary controllers, technical services and repair solutions for elevator modernization.
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800.444.7442
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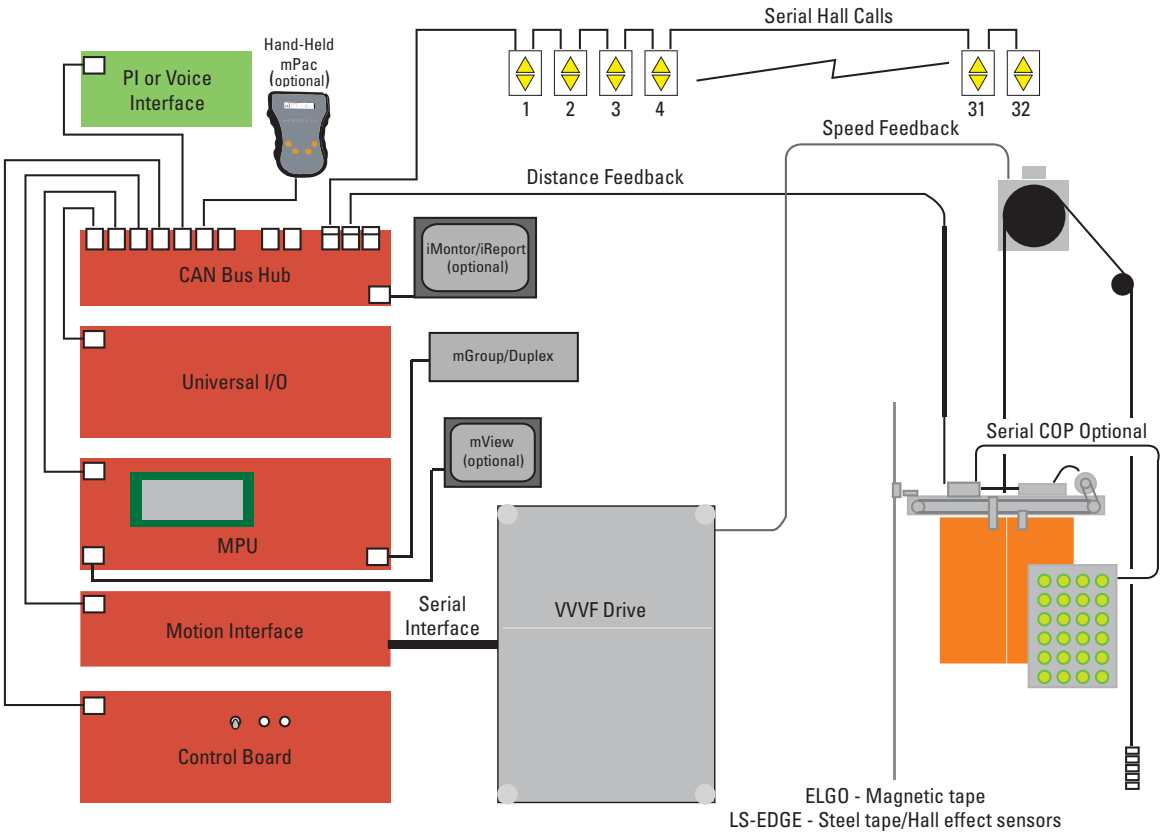
Motion 4000™ Specifications

Maximum Car Speed	500 fpm, 2.5 m/s	**System Access**	Hand-held basic or advanced user interface
Configuration	Simplex, duplex, 6 car group	**Monitoring**	iMonitor, IDS Lift-Net™, BMS Link
Landings	Up to 32 with 64 openings	**Report Generation**	iReport
Drive Type	VVVF AC	**Lobby Display**	iLobby
Motor Control	Closed loop/velocity feedback	**Environment**	32–104° F, 0–40° C, relative humidity non-condensing up to 95%; harsh environment rugged service available (NEMA 4, 4X, 12)
Landing Systems	ELGO - 1/2 inch wide magnetically encoded tape w/1 mm resolution LS-EDGE - Robust, high accuracy, perforated steel tape. NEMA 4X certified LS-RAIL™ - Compact, tapeless system that is mounted onto the roller	**Standard Enclosures**	Enclosure size may vary per specific application



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