

Motion 3000ES™

Compact, configurable VVVF or direct line control for escalators

The **Motion 3000ES** Escalator Control from MCE brings new technology and control sophistication to the escalator market. Available in VVVF Variable Speed or Wye/Delta Direct Line Control versions, the 3000ES is quality-engineered from concept to completion. When code allows, VVVF models provide two-speed operation and allow the control to automatically select energy saving operating modes (reduced speed or stop) when traffic conditions warrant.

Motion 3000ES controls provide hardware flexibility. The standard configuration uses two (direct line) or three (VVVF drive) small cabinets; one for the primary electronics and top entrance; one for bottom entrance electronics; one for the VVVF drive if used. This distributed architecture simplifies connections and reduces wiring bulk.

Motion 3000ES is fully compliant with applicable North American, European and Australian safety standards. It utilizes independent, redundant safety string inputs, signal path, and processing to ensure safe, dependable operation.

Motion 3000ES uses a simple LED display and keypad for field programming of controller parameters. The VVVF drive is fully field programmable as well — whether the installation uses the TorqMax or the Emerson CT. If you are installing multiple escalators, the CT features optional SmartCard™ technology allowing you to set up one drive, then easily transfer that same setup to other drives using a simple memory card.

Motion 3000ES uses dual control processors. Each processor will support up to four display cards. Display cards are connected along a CAN communications bus. CAN communication is light weight (four twisted, shielded conductors), fast, field-proven in many industrial applications, and provides power, as well as data, to the displays.



Benefits

- Hardware reconfigurable
- Field programmable
- VVVF or Direct Line Control

Features

- Redundant safety processing
- CAN communication
- LED display/keypad programming
- Optional LCD display/keypad programming
- Up to 8 display boards (4-per processor board)
- Energy saving reduced speed operation (VVVF only)
- Auto chain lubrication
- Operating time settings
- Fault log up to 30 faults
- Voice annunciation (optional)
- Remote monitoring (optional)
- Seismic sensor (optional)

Applications

- Escalators
- Moving walkway

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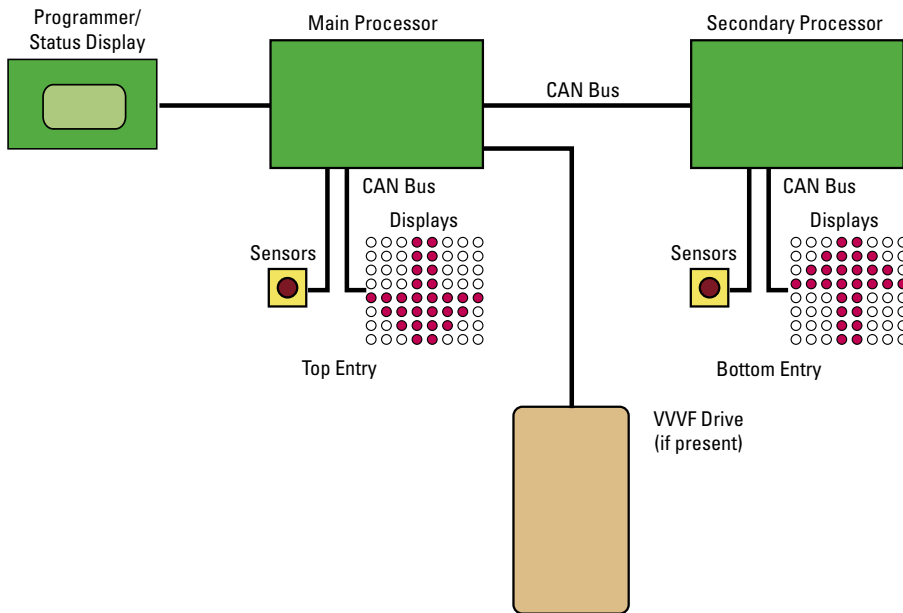
Motion Control Engineering®

A Kinetek Company®

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

SmartCard is a trademark or registered trademark of Control Techniques Drives Limited

VVVF or direct line escalator control by MCE



Main enclosure top view



Optional LCD display and keypad

Configurations

- Single-speed Wye/Delta
- Variable-speed VVVF

Communications

- CAN Bus, high speed

Display boards

- Up to 8 (4 per processor board)

Field programming

- Direct keypad entry (Controller)
- Direct keypad entry (VVVF drive)
- Smart card for easy drive parameter cloning (CT VVVF drive)

Options

- LCD display and keypad programmer

Enclosures

- Bottom entrance: 12" tall x 12" wide x 4" deep (30.5 cm x 30.5 cm x 10.2 cm)
- Main enclosure: 24" tall x 18" wide x 8" deep (61 cm x 46 cm x 20 cm)
- Drive enclosure (if used): 24" tall x 12" wide x 12" deep (61 cm x 30.5 cm x 30.5 cm)