

Tricon™ by MCE

Non-proprietary controller for low- and mid-rise traction applications

Tricon by MCE is a state of the art, distributed control system, designed for geared applications serving up to 32 single or double openings, with cars traveling up to 350 fpm.

Superior performance and reduced costs

Tricon provides superior performance and reduced installation and maintenance costs. Decentralized network design with multiple microprocessors ensures a higher level of reliability and compatibility with future system improvements and expansions.

Printed circuit boards pull out and snap in for quick and easy replacement. System components can be located in the machine room or remotely in any location. To aid in servicing, printed circuit boards are interchangeable without requiring field wiring, jumpers, or switches to be set. Harnesses are used extensively to reduce wiring problems.

Field programmable

Field programmability via the HHU (handheld unit) allows you to meet changing occupancy needs and management requirements. More than 200 programmable options allow you to customize the system onsite.

Modular software design allows sub-system modules to be plugged in and out to customize the controller to specific requirements. Features and capabilities can be added at a later date by reprogramming the system, avoiding expensive field wiring costs.



Tricon by MCE

Advantages

- Reduced installation labor costs
- Networked serial communication enables cartop or machine room programmability
- Comprehensive on-board system diagnostics
- Remote diagnostics minimize downtime
- Sophisticated dispatching significantly reduces passenger waiting time
- Meets stringent Housing Authority requirements
- Standard “building block” design means fewer parts to inventory and faster, easier upgrades

Applications

- Modernization or new construction
- Low-rise through mid-rise
- Geared
- Simplex
- Groups to 6 cars and 32 openings
- 350 fpm, 1.78 mps

Benefits

- Non-proprietary
- Field programmable
- Field proven performance
- Modular design
- Lifetime technical support

Features/options

- HHU portable diagnostic monitor
- Pre-wired cartop and car station
- Load weighing
- Lift-Net monitoring system
- ASME A17.1-2000/B44-00 compliant
- Seismic sensor
- Counter weight displacement kit

www.mceinc.com

800.444.7442
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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.

Tricon specifications

| | |
|----------------------------|--|
| Maximum car speed | 350 fpm, 1.78 mps |
| Configuration | Simplex or up to 6-car group |
| Openings | 32 |
| Drive type | AC flux vector DC with SCR drive Hydro |
| Motor control | Open loop or closed loop/velocity feedback |
| Landing systems | SET 9000 (solid tape/magnets) |
| System access | HHU (handheld unit) portable diagnostic monitor |
| Monitoring | Lift-Net™ universal monitoring system |
| Environment | 32–113°F, 0–45°C, relative humidity non-condensing up to 95% |
| Standard enclosures | 32" w x 48" h x 12" d (with optional 18" legs) 32" w x 72" h x 20" d 40" w x 72" h x 20" d Enclosure size may increase per specific application |

Features

- HHU portable diagnostic monitor fits in the palm of your hand and plugs in anywhere on the car or group network. No secret "Black Box," complicated codes, or separate PCs are required.
- Monitoring screen displays all inputs and outputs, as well as other important information, in real time, for troubleshooting purposes.
- Diagnostic screens display the last fifty events in plain English. Providing a window to the entire system, this allows for rapid service and far less downtime.
- Two-wire hookup to peripheral equipment dramatically reduces installation time and costs.
- Unique pre-wired cartop and car station factory option saves considerable field installation time.



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