

IntellaNet™ by MCE

IntellaNet AC | IntellaNet SCR | IntellaNet MG

Technologically advanced, cost effective controller for mid- and high-rise traction applications

IntellaNet by MCE is an advanced controller providing an unmatched combination of performance and lower life cycle costs. IntellaNet is an ideal solution for geared and gearless applications serving up to 64 floors and accommodating up to 9 car groups. IntellaNet SCR supports 1,600 feet per minute DC performance while delivering a smooth, comfortable ride.

Lower life cycle costs and high performance: The IntellaNet design philosophy maximizes performance and efficiency. The result is a controller that incorporates a decentralized network design and provides lower overall cost throughout product life.

Cost efficiency begins at installation: IntellaNet is faster and more efficient to install than most controllers. For example, traveler cable material and labor costs are reduced since there are typically fewer than 25 wires from car to machine room. Efficiency continues over the life of the product with lower ongoing maintenance and adjustment costs. Typical adjustment time is less than 8 hours, call backs and change orders are few, and the “building block” design philosophy means fewer parts to inventory. IntellaNet’s energy conservation mode, operating during off-peak hours, decreases equipment wear and tear and saves energy without sacrificing performance when it is needed.

IntellaNet’s digitally controlled closed-loop speed- and distance-based velocity feedback system ensures a smooth, comfortable ride. Multiple microprocessors provide a higher level of reliability and facilitate future system improvement and expansion. IntellaNet’s LonWorks-based, modified ETA dispatching system is user programmable. Redundant traffic management and AI (artificial intelligence) dispatching are optional. Cross Registration or Cross Cancellation provides legacy system compatibility during modernization projects.

Field programmability easily handles changing occupancy needs and management requirements. More than 400 programmable options allow you to customize the system on site.



IntellaNet by MCE

Advantages

- Reduced installation labor cost
- Networked serial communication for cartop or machine room programmability
- Comprehensive on-board system diagnostics
- Remote diagnostics minimize downtime
- Sophisticated dispatching significantly reduces passenger waiting time
- Standard “building block” design philosophy means fewer parts to inventory

Applications

- Modernization or new construction
- Mid-rise to high-rise
- Geared or gearless
- Simplex
- Groups to 9 cars and 64 openings
- 1,600 fpm, 8.12 mps (DC), 700 fpm, 3.56 mps (AC)

Benefits

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

Features/options

- Monitoring screen displays all inputs and outputs in real time
- Diagnostic screens display the last fifty events in plain English
- Two-wire hookup to peripheral equipment
- Unique pre-wired cartop and car station

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.

IntellaNet specifications

	IntellaNet AC	IntellaNet SCR	IntellaNet MG
Maximum car speed	700 fpm 3.56 mps	1,600 fpm 8.12 mps	1,600 fpm 8.12 mps
Landings/group size	64 openings/Simplex or up to 9-car group		
Landing systems	Perforated tape/magnets		
Drive type	AC flux vector	DC six-pulse	Ward Leonard
Harmonic distortion	Industry standard	Industry standard	N/A
Motor control	Closed-loop velocity feedback		
Dispatching	LON-based dispatching with modified ETA system		
Monitoring	Lift-Net universal monitoring system		
Security options	Access control for elevators, keyboard control for elevators		
Field connections	Serial communication, conventional wiring or a combination of both		
Choke/filter	Included inside cabinet	Included outside cabinet	N/A
Environment	32–113°F, 0–45°C, relative humidity non-condensing up to 95%		
Standard enclosure	40" w x 72" h x 20" d Enclosure size may vary per specific application		

IntellaNet features

- Inspection service
- Independent service
- Attendant service
- Pretorque capability
- Car diagnostic screen
- Dispatcher diagnostic screen
- Car scope screen
- Earthquake mode
- Shuttle operation
- Dual lobby service
- Split group lobby service
- Emergency power (group)
- CE voice annunciation
- Software security locks
- Holiday service

IntellaNet optional features

- Energy conservation mode
- Security access (car button access)
- Redundant dispatching
- ETSL (Emergency Terminal Speed Limiting)
- Rope gripper interface
- Emergency power (inter group)
- Medical emergency (phase 1 and 2)
- Seismic sensors
- Counter weight displacement kit

Code compliance

- ANSI/ASME A17.1a -2002, A17.5, CAN/CSA B44, B44.1, NEC, CEC

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