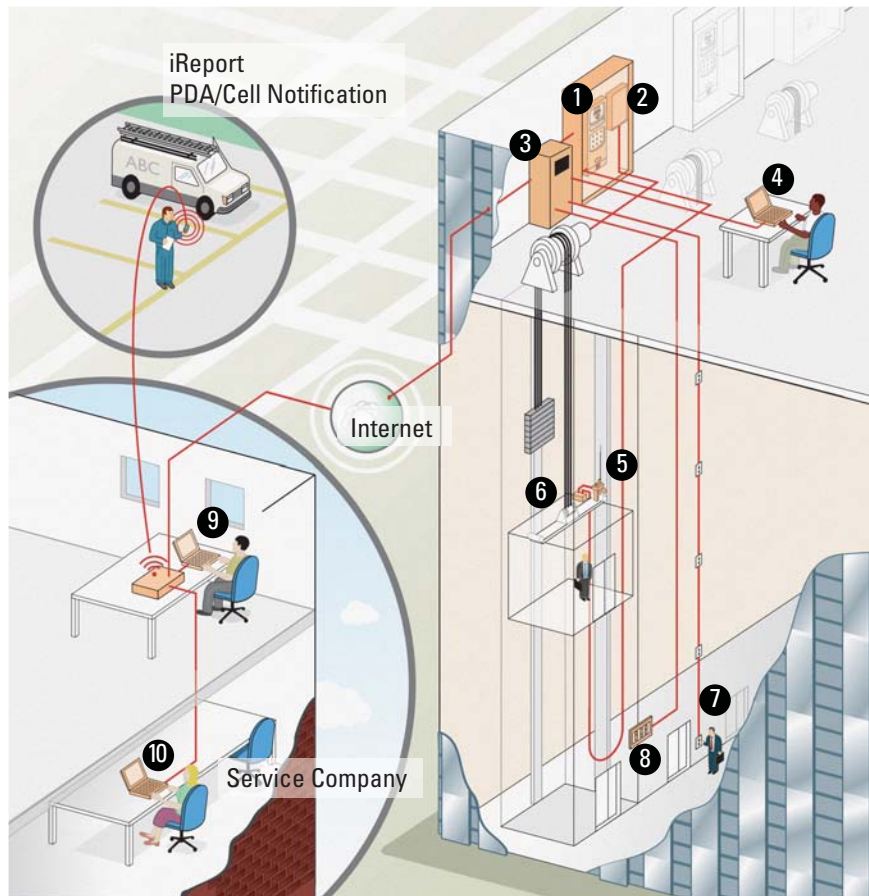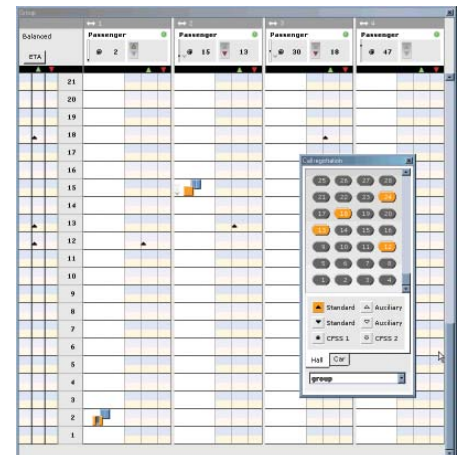# iControl Universe

A total elevator solution for the building universe

iControl from MCE is a tightly integrated, state-of-the-art, vertical transportation system from the leader in non-proprietary elevator equipment. Capitalizing on leading edge technology, car control is centered in the iBox, a compact, special purpose computer designed exclusively for elevators. The iBox delivers artificial intelligence, fuzzy logic, high-speed processing and robust, machine-room ready dependability.

iControl uses ethernet connectivity, so secure system access is assured, both in the machine room and anywhere the internet can reach. Finally, iControl provides the security, monitoring and reporting support crucial to building owners and managers.

1. **iBox:** iControl exclusive. ASME A17.1 2004/CSA B44-04 compliant car control, plus multi-car dispatching capability.

2. **Drive:** 16K PWM AC or true, 12-Pulse DC drive. Car speeds to 1800 FPM.

3. **iCue:** Artificial intelligence handles central dispatching of up to 20 cars.

4. **iView:** Easy-to-use Windows PC interface to the iBox and to iCue automatically selects correct parameter displays.

5. **iLand:** Innovative landing system uses sensors and magnetic encoding to ensure absolute hoistway position.

6. **iLink:** Cartop box handles all car connections locally and communicates serially with the iControl controller.

7. **Serial Hall Call:** Serialized to simplify hall call wiring.

8. **Elevista:** Lobby displays provide sharp, graphically rich views of car position, status and operation.

9. **iMonitor:** Monitors multiple elevator groups and provides security, car recall and operating mode control.

10. **iReport:** Automatically collects detailed information about operations, system events, faults, operating status and more.

www.mceinc.com

800.444.7442
916.463.9200

Motion Control Engineering®

A Kinetek Company®

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

iControl by MCE

Key components

iBox: MCE-designed exclusively for iControl. ASME A17.1 2004/CSA B44-04 compliant car control plus multi-car, dispatching capability. Prominent display of critical system status. Fully configurable through MCE iView graphical user interface. Easy I/O or local requirements expansion through slide-in, lock down PCBs.

Drive: 16K PWM AC or true, 12-pulse DC drive. Car speeds to 1800 FPM.

iCue: Central dispatching of up to 20 cars. Artificial intelligence continuously analyzes car and traffic data for optimum performance. Compares past and present traffic conditions to dynamically assign operating modes (Lobby Peak/Up Peak/ Down Peak/Balanced) automatically, actually learning individual building routines for continuous improvement.

iLand Landing System/ iLink Cartop Box

iView: iView provides an easy-to-use, Windows PC, interface to the iBox and to iCue — automatically selecting the correct parameter displays. Connect to iControl in the machine room or remotely via the Internet. In-depth configuration of performance, code compliance, normal and emergency operating behaviors, and elevator security per car and floor.

iLand: Innovative landing system uses sensors and magnetic encoding to ensure absolute hoistway position. Maintenance-free iLand operates without tape or switches. iLand connects to the iLink cartop interconnect box using a simple telephone-style cord.

iLink: The iLink cartop box handles all car connections locally and communicates serially with the iControl controller, reducing the bulk of the traveler cable. iLink accommodates up to four serial car call panels and two door operators. Special hoistway and traveler cables with individually labeled conductors for easy installation are available. Like the iBox, iLink I/O can be expanded using slide-in, lock down PCBs.

Serial Hall Call: Serialization simplifies hall call wiring, needing only a twisted pair of 18 or 16 gauge wires for signal and power. iControl also offers destination-based dispatching in lobby-boost or full implementations.
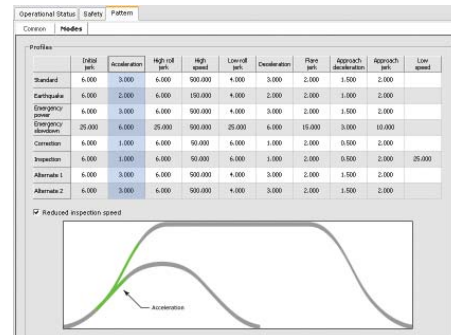
Elevista: Lobby displays provide a sharp, graphically rich, passenger- and security- friendly view of elevator car position, status, and operation for all cars in the group.

iMonitor: iMonitor provides local or remote monitoring of multiple elevator groups. iMonitor also provides security, car recall, and operating mode control if allowed by the monitored site.
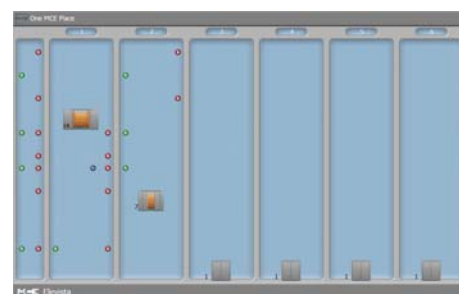
iReport: Automatically collects detailed information about minute-to-minute operation, system events, faults, and operating status, and automatically emails maintenance or administrative personnel who need to be advised when specific events occur. Archives historical data and easily recalls it if the need arises.

iView Pattern Configuration Screen

Elevista Lobby Display

iMonitor Group View

iReport Hall Call Performance View

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