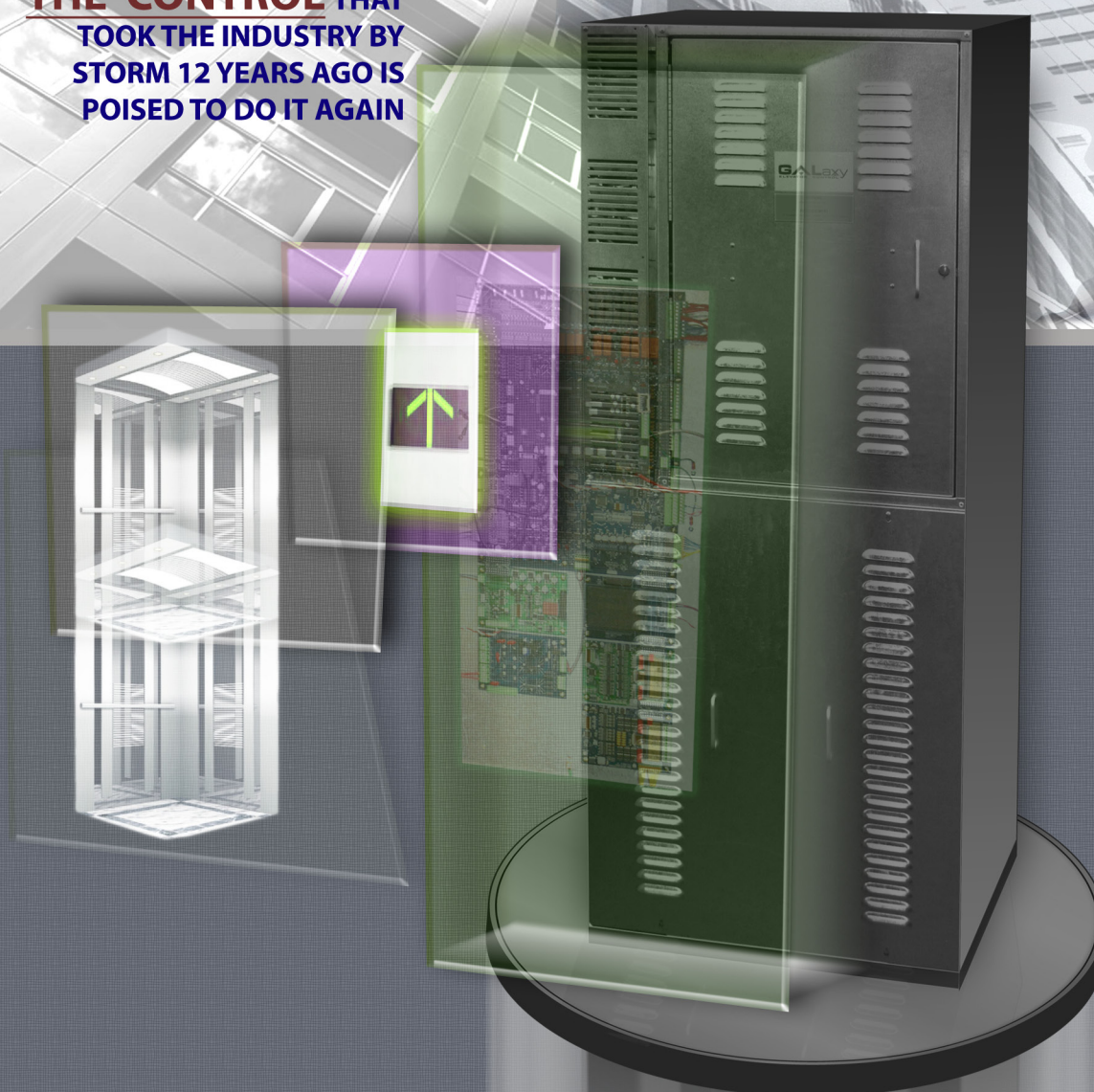




GALaxy IV

**THE CONTROL THAT
TOOK THE INDUSTRY BY
STORM 12 YEARS AGO IS
POISED TO DO IT AGAIN**



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GALaxy IV Quick Specifications

GENERAL APPLICATION

- Up to 8 Cars
- Up to 20 floors
- Up to 500 FPM
- Traction Closed-Loop Distance Feedback
 - o Geared up to 500 fpm
 - o AC Vector Drive (KEB)

SPECIFICATIONS

Environment:

35° F to 110° F ambient
12,000 ft altitude
95% humidity non-condensing


Standard Features:

CSA B44 / ASME A17.1-2010 Certified
TSSA Certification
Access Operation
Anti-nuisance
Built in diagnostic and programming display
Earthquake Service
Emergency Power
Field Adjustable Parameters (Door Times, Lobby, etc.)
Fire Service Phase I
Fire Service Phase I Alternate Return
Fire Service Phase II
Hall and car door behavior selections
Independent Service
Inspection Operation (car top and controller)
On Board LCD Display Interface
Programmable car fan and light timer
Parking floors

Optional Features:

Attendant Service





Code Blue Hospital Service
Door Hold Button or Switch
Dual Riser Operation
Elevator Off (Homing and Shutdown)
Emergency Medical Technicians Service (Mass)
Handicap Buzzer Enable
Hugs Hospital Service
Inconspicuous Riser
Load weighing (Dispatch, Bypass, Pre-Torque)
Multiple Secure Floor Configurations (Key switch or timer)
Lobby Up Request
Push Button Car Call Security
Reduced Speed Emergency Power
Remote monitoring
Sabbath Operation
Security (Card reader, key switches)
Selective Rear Doors
TUG Hospital Robot Service
UPS Emergency Power Lowering
VIP Service

Code / Adaptability:

All controllers shall be ASME A17.1 2010 compliant. Compliance shall not depend on force guided relays.

Dispatching:

Dispatching shall be real-time, and based on calculated ETA for every call in the system and every car in the group. Calculations shall be made based on flight times, door times, etc. that are real time values, and learned by the system on every run. Calculations shall not be based on manually input estimates

Distance Feedback:

The distance feedback loop shall be taken from a high resolution encoded driven by the hoist machine, encoder mounted on governor or pulse feedback from a stationary tape.

Dynamic Brake (DB) Resistors:

To reduce the installation time, the DB resistors (if a non-regenerative drive option is selected) will be housed in a vented enclosure that is attached to the main controller.

Fault Log:

The controller has the ability to store 600 of the latest faults in a long term fault log that cannot be erased and 50 of the latest faults in the short term fault log that can be erased. Shall also have the ability to download to a removable medium to be viewed or saved on a laptop or PC.

Field Adjustment Variables:

All field adjustable variables shall be adjustable through a user interface provided with the controller.

I/O Devices:

All Inputs and outputs on expansion I/O board devices shall be field replaceable and shall have an LED status indicator.

Job Program Transfer and Save:

The controller has the ability to upload and download the program file, job configuration file, job statistics, push button security codes, service activation timers and adjustment parameters to and from a laptop or removable medium.

Job Statistics:

All cars, operating as the group, shall keep continuous running statistical traffic data including but not limited to the following:

- Number of Car Calls
- Number of Up and Down Hall Calls
- Number and Percent of Up and Down Hall Calls < 15 seconds
- Number and Percent of Up and Down Hall Calls < 30 seconds
- Number and Percent of Up and Down Hall Calls < 45 seconds
- Number and Percent of Up and Down Hall Calls < 60 seconds
- Number and Percent of Up and Down Hall Calls \geq 60 seconds

Machine Room Display (optional):

A flat-panel LCD display and keyboard shall be provided inside the controller cabinet.

Parking:

Parking of elevators occurs when traffic demand has decreased to a point where elevators in the group are idle. The first floor to be occupied by the idle elevator is the lobby floor. The lobby floor is selected by the field adjustable parameters. After the lobby floor has been filled, and, as more cars become available for parking, they will park at the floors that have had a history of the most calls at that time of day and that day of the week. The call history at a particular floor is stored in fifteen minute time intervals using the real time of day and particular day of the week. The call history is stored as a running average over a four week period.

Regenerative Drive Option:

Regenerative drives are available as an option.

Ropegrripper Reset Feature

All controllers used in conjunction with a Ropegrripper shall have brake switch fault detection that will activate the Ropegrripper. They shall have a Ropegrripper fault reset safety delay which will reset the Ropegrripper if the car moves during manual reset.

Schematics:

All controller schematics shall be printed in color to show the actual wire size and colors. Hoistway (including traveling cable) schematics shall show actual wire numbers, and point-to-point connections

Serial Communication To Car:

To reduce the number of wires in a traveling cable, controllers shall have serial communications to the car to accept car calls and car input and output functions.

User Activated Test Procedures

The user interface on traction controllers shall have a built in, user activated, menu driven, buffer test procedure, over speed test procedure, and terminal limit test procedure.

1. LOWER INSTALLED COST

- LOWER PRICE
- NO MORE CAR TOP BOX - WIRED DIRECTLY TO COP
- PRE-WIRED HARNESSES FOR MOVFR AND SELECTOR
- SNAP ON HALL EFFECT DEVICES FOR SLOW DOWNS, PRESETS, LIMITS, AND DOOR ZONES

2. EXPLICIT HIGH GRAPHIC CONTENT PRINTS

3. IMPROVED DIAGNOSTICS

4. TWENTY FIVE TRAVELING CABLE CONDUCTORS

5. NO MORE 'STACK' OF CIRCUIT BOARDS

6. THREE SEPARATE CABINETS EASE OF INSTALLATION ALL PLUG TOGETHER

- POWER SECTION
- LOGIC SECTION
- DBR RESISTORS

7. I/O BOARDS HAVE 'ELECTRONIC PAPER' WITH FLIP SWITCH

- FIELD ADDRESSABLE
- AUTOMATIC RE-LABEL

8. JOB PARAMETERS RESIDE ON SD CARD

-modifiable, emailable changes

