V900 AC AT A GLANCE

ELEVATOR TYPE	*Traction* *MRL*
BUILDING TYPE	*Low Rise* *Mid Rise* *High Rise*
SPEED	*1000 fpm (5 mps)*
LANDINGS	*64*
DISPATCHING	*Simplex* *Duplex* *Group 16 Cars** **with G900 group option*
DRIVE TECHNOLOGY OPTIONS	*Open Loop Vector* *Closed Loop Flux Vector* *PVF Position Velocity Feedback* *PM Synchronous Motor Control*

Universal
Simple
Interoperable
Supportable
Economical

V900 AC

Controls for AC Traction and MRL Elevators

The 900 Series is our next generation, standardized non-proprietary control platform for Hydraulic, AC and DC Traction, and MRL elevators.

Advanced microprocessor technology has consolidated PC boards and eliminated many component parts. This is our most reliable and simplified control system yet.

Modular design is retained to ensure essential maintainability. CSA and TSSA certifications confirm safety code compliance.

EC's traditional, "*learn one, know all*" equipment design speeds transition to our newest technology. Trademark PC board interchangeability and backward compatibility reduce spares burden while extending service life.

When the power of technology is used to simplify essential tasks – including installation, adjustment, maintenance and troubleshooting – everybody wins.



ELEVATOR EC CONTROLS
SIMPLE. SOLID. SUPPORTABLE.

V900 AC

Controls for AC Traction and MRL Elevators

About Elevator Controls

Elevator Controls Corporation, established in 1986, is a widely recognized manufacturer of Non-proprietary microprocessor based elevator controllers.

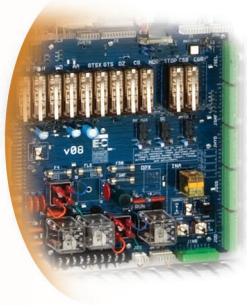
Standardization across all products allows EC to offer true backward compatibility, enhancing maintainability, reducing spares burden, and extending service life.

Our mission is to develop equipment that is simple for customers to install, adjust and maintain.

Learn more at: www.elevatorcontrols.com

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Model V900 AC Type VF-CL & VF-OL



The **V900 VF-CL** provides solid state power control in a closed-loop system for most geared and gearless elevators with AC motors. Precise speed regulation **better than +/- 1%** is provided using quadrature encoder feedback and a closed loop drive design.

PM synchronous motor control is available for gearless and MRL applications, with a variety of encoder interface options, including EnDat and Hyperface.

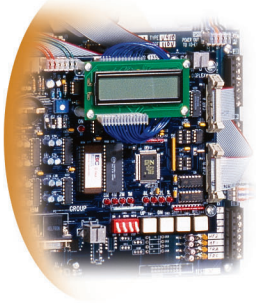
Power line regeneration is available for all V900 AC controllers as an option.

Model V900 Type VF-OL open-loop vector is also available for speeds up to 150 FPM where speed regulation of 2% to 6% is adequate.

See Specifications for Microprocessor Elevator Controls for complete details.

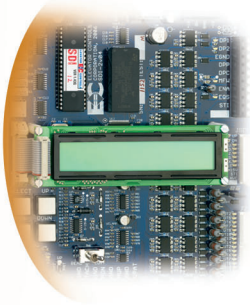
Simplified Design Delivers Reliable Code Compliance

A dramatic reduction in the number of relays, discrete parts and consolidation of three PC boards into one makes the V900 system reliable and serviceable. EN 60947-5-1 force guided relays are incorporated to ensure code compliance.



Microprocessor Board

EC's forward looking system architecture provides universal backward compatibility. Proven components and technology are always used to ensure years of field reliability.



PVF Position Velocity Feedback Option

To satisfy the most demanding ride quality requirements a digital dual-feedback Position Velocity Feedback option is available. PVF provides microcomputer based position and velocity feedback for higher speed geared and gearless elevators in closed loop applications.



Powerful Control Technology that's Easy to Use

- Non-Proprietary
- A17.1-2005/ B44-05 Safety Code Compliant
- Standardization
- Backward Compatibility
- Onboard Diagnostics
- Field Reprogrammable "personality parameters"
- Choose Discrete or Ez-LINK™ serial communication wiring options
- Works with Interact™ elevator management, analysis and reporting tools
- Unrestricted Telephone Technical Support for customers
- Configure any car to function as a simplex, duplex or group

ELEVATOR EC CONTROLS
SIMPLE. SOLID. SUPPORTABLE.

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