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Item # 910-1222-022, Encore Digital Closed-Loop Elevator Door Controller



Encore Digital Closed-Loop Elevator Door Controller

The new Encore microprocessor controlled closed-loop elevator door controller is simple to install and uses encoder feedback for precise speed and position sensing. The controller operates at 90-120 VAC input nominal and can also run with a 130 VDC input. All digital DC PWM output provides 6 amp continuous and 10Amps peak to the door motor armature. A new permanent-magnet replacement motor with integral encoder is supplied with each system for easy replacement on OTIS, GAL and other door systems (Please specify). Auto-learning with pre-defined door profiles are stored in non-volatile memory. Easy adjustment via the on-board LCD display and pushbuttons including a test mode to operate the door from the top of the car. Programmable outputs for DOL, DCL, pre-close, running etc. Field retrofit kit for OTIS 6970 operators upgrades the system with integral magnetic limit switches included or use with the existing DOL, DCL switches on the operator (GAL, others).

The Encore from IPC Automation is a complete stand-alone, closed-loop door controller system. This fully-digital, microprocessor-based system provides precise control of elevator doors via true door position and velocity feedback from an encoder. The complete retrofit kit includes motor, controller and limit switches. In just a few hours you can install a complete state-of-the-art door control system.

[SPECIFICATIONS](#) · [BENEFITS](#)

SPECIFICATIONS

Input Voltage (AC)	90 to 120 V
Input Voltage (DC)	130 V
Input Power	115VAC ±20% at 15A minimum. Can also operate at 130VDC input commonly used in older OTIS machines.
Motor Output	Supplied with new PM motor/encoder assembly to retrofit OTIS 6970 machines or GAL MOD, MOM or MOH operators up to 160 VDC maximum at 6A. Capable up to 9A for 60 seconds measured at 115VAC input power.
DOL/DCL Input	Supplied with magnetic limit switch assembly for OTIS 6970. GAL models use existing cam-switch limit inputs. Contact closure.
Controller Signal Inputs	Rated at 24 to 120 V (AC or DC). Standard unit supplied with 120VAC inputs. Can also operate from single input OTIS controllers (software selectable).
Limit Outputs DOL , DCL and EX. Aux (Programmable)	Solid State-AC or DC 24 to 300 V. Maximum current 100 mA.
Operating Temperature	0-50 °C
Optional Analog Output	Provides torque, Actual speed and Commanded speed outputs referenced to 5 VDC full.

BENEFITS

- **Simple to Install:** Pre-loaded setups with on-board display/data keys/open and close switches.
 - Position and speed sensing via reliable encoder.
 - **All digital, PWM Control:** Quiet 20Khz operation.
 - **Use with Any Controller:** Direct OTIS 6970 and 7300 door operator retrofit.
 - Supplied with new motor/encoder for the 6970, just bolt on and wire. GAL /Westinghouse style also available
 - Eliminates "Cam Box" slow-down cam switches-all that's needed is the DOL and DCL (supplied).
 - **Nudging Input:** Separate input with adjustable speed and torque.
 - Accurate code and limit to limit times from the encoder and computer clock. No more arguments over the stop watch.
 - Open, Close, Nudge and "EX" (Aux.) inputs-24 to 120 VAC or VDC-can also operate from a single input.
 - DOL, DCL and "EX" (Aux.) outputs-24 to 230 VAC/VDC solid-state. "EX" output can be configured as "Pre-Close Limit", "Running", etc.
 - Easy adjustments using setup menu: - 16 character backlit LCD Display for easy confirmation of setups, I/O and status-SAE or metric values!
 - Auto-learning with pre-defined speed/opening profiles.
 - All setups and parameters stored in flash memory-change at any time!
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- 115 vac input-can also operate on 130 VDC input.
 - Optional analog output for display of Torque, Position and Velocity-for connection to scope or chart recorder-document door performance.
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