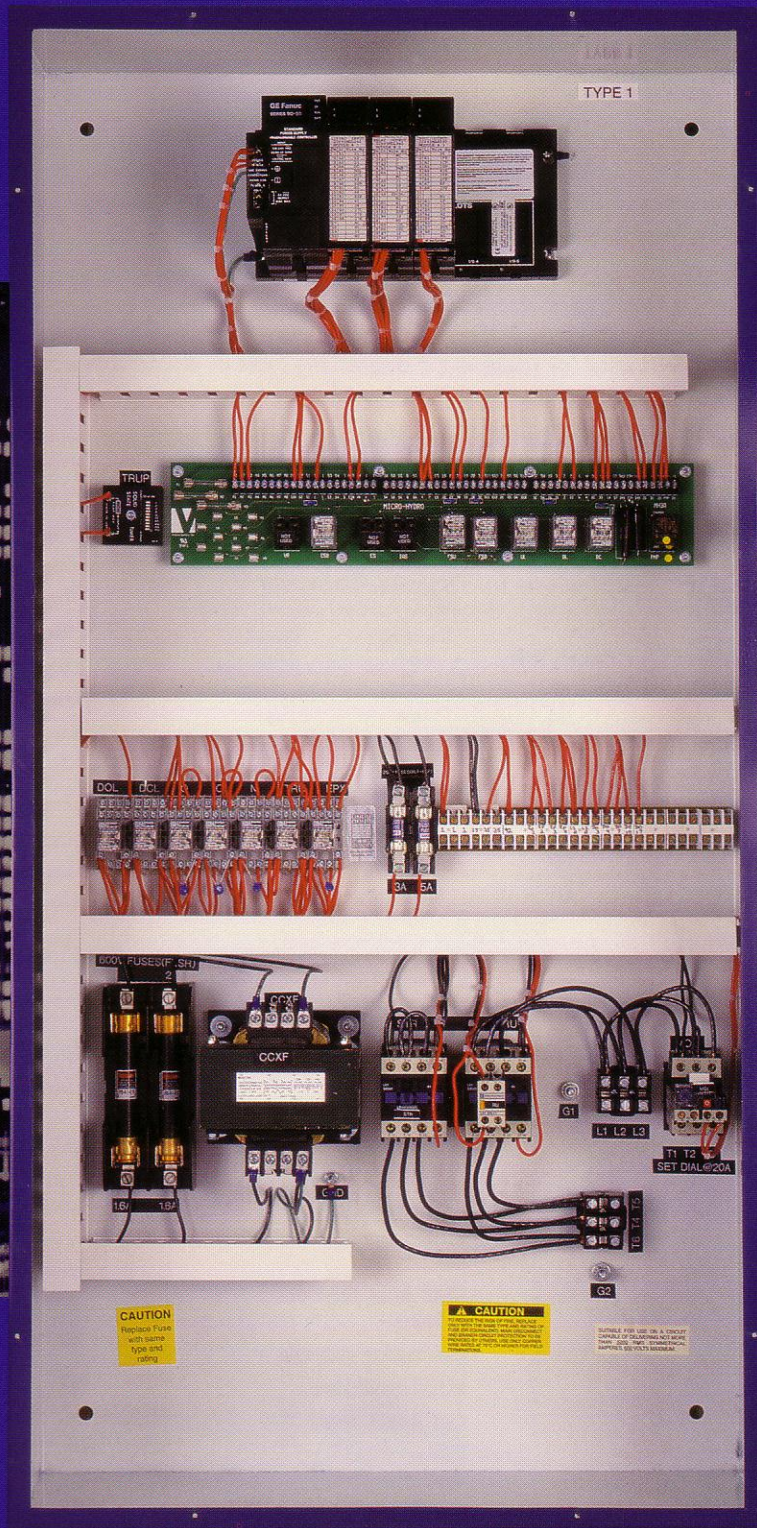


# M H S E R I E S

Microprocessor Controllers for Hydraulic Elevators  
with GE-Fanuc 90-30 Microprocessor





# M H S E R I E S



## Microprocessor Controllers for Hydraulic Elevators with GE-Fanuc 90-30 Microprocessor

**APPLICATIONS:** For hydraulic elevators of all types, where the high reliability of an industrial PLC is desired or required. This type control is suited for operating temperatures from 0-140 degrees (F) which is a higher limit than most microprocessors. Available in simplex and duplex configurations, and in multi-car groups with real-time-response dispatching.

**DESCRIPTION:** The microprocessor is a state-of-the-art industrial unit incorporating rapid processing capability and high-speed scanning. It offers performance equivalent to most dedicated processors with the reliability and ease of maintenance of a proven industrial design. Diagnostics and fault-logging are built-in, and serial-link communication is used for multiple-car dispatching systems. Remote monitoring is available, and top-quality graphic displays are included with Windows-based software.

The microprocessor may be combined with a standard IEC or NEMA-rated starter (across-the-line or wye-delta) or with a solid state "soft start" unit which minimizes inrush current during startup. The type MH is also available with the Virginia Controls "BORIS" battery rescue system, which brings the car to a designated landing and opens the doors in the event of a power failure.

### Typical MH installations by Virginia Controls

*Please consult the Virginia Controls sales department for information on these and other MH installations*

Year Installed	Location	Service	Speed, FPM	Capacity Lbs	No. of Ldgs	No. of Cars	New or Mod
1999	PORTLAND, ME	OFFICE BLDG	185	3500	4	4	NEW
1998	BOSTON	OFFICE BLDG	100	1800	10	1	MOD
1998	BROOKLYN, NY	V.A. HOSP.	150	4000	3	3	NEW
1998	HOUSTON	HOTEL	150	3000	7	1	MOD
1998	TAMPA	OFFICE BLDG	125	3500	4	3	NEW
1996	BEVERLY, MA	PUBLIC HOUSING	100	3500	8	2	MOD
1996	CHICAGO	MFG PLANT	118	7500	5	1	MOD
1995	WINNIPEG	HOTEL	125	2500	4	2	MOD

### STANDARD FEATURES:

- Maximum cars in group: 6
- Maximum speed: 200 fpm (higher speeds available)
- Maximum # of landings: 10 (consult VCI for more landings)
- Special security configurations
- No proprietary maintenance tools
- NEMA Class I wall-mounted enclosure
- Fireman's Service Phase I & II
- Meets ADA leveling requirements
- Selective-collective operation
- Independent service

- State and local code compliance
- Top-of-car inspection
- Passing Gong
- IEC Starter (X-L or Wye-Delta)

### OPTIONS:

- Group operation with real-time response dispatching
- Selective/non-selective rear openings
- Hospital/EMT operation
- Freight door (manual or power)
- Landing systems and selectors
- NEMA 4x or NEMA 12 enclosure
- Free-standing enclosure
- UL/CSA certification
- Card Reader access
- Differential hall/car door times
- Special valve configurations

- Field-selectable features
- Emergency Power operation
- "BORIS" battery lowering
- Single-automatic pushbutton operation
- Homing
- Attendant service
- Nudging
- Solid state starting
- Low Oil viscosity
- Jack resync
- Reverse Phase Relay
- Inspection access
- Inching

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