

HMC: Hydraulic Motion Control

PHC | HS*

Industry's top-selling field programmable controls for hydraulic elevators

Hydraulic Motion Control brings sophisticated elevator control technology to hydraulic applications. PHC is the flagship of our HMC-1000 series, widely known for rugged durability.

Easy to use

A user-friendly LCD provides access to a comprehensive list of options, which are programmed easily using the 32-character alphanumeric display.

Simplex or duplex configuration

Available in simplex or duplex configuration. Duplex controllers use sophisticated Estimated Time of Arrival (ETA) dispatching. Both will provide years of trouble-free, reliable service.

Field programmable

Field programmable features include: door functions, building configuration (landings, front/rear doors and hospital emergency service), fire codes (choose from over a dozen different codes) and spare inputs and outputs. Some features may require additional hardware.

Simplified maintenance

Easily understood car status messages simplify troubleshooting, while advanced internal diagnostics help identify problem sources. System "flags" and memory are also accessible for advanced diagnostic work.



PHC with SmartStart

Applications

- Modernization or new construction
- Simplex or duplex — PHC
- Groups to 12 cars and 16 landings — HS Series*

Benefits

- Non-proprietary
- Set-and-forget reliability
- User-friendly setup and operation
- Saves time — which saves money
- Short lead times
- Lifetime technical support

Features/options

- SmarTraq™ door operator
- Pre-wired internal battery lowering device
- Choice of mechanical or solid state starters
- Choice of landing systems
- CMS central monitoring system
- Multiple security options
- SmartStart soft starter
- Real-time clock with date
- ASME A17.1-2000/B44-00 compliant

*Group applications not field programmable.

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800.444.7442
916.463.9200



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

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HMC specifications

	PHC	HS*
Maximum car speed	200 fpm, 1.02 mps	200 fpm, 1.02 mps
Configuration	Simplex and duplex	M3 Group
Landings	16	16
Motor control	Solid state or mechanical starter	
Landing systems	LS-STAN (vanesswitches)	LS-STAN (vanesswitches)
	LS-QUTE (solid tape/magnets)	LS-QUTE (solid tape/magnets)
System access	LCD (CRT optional)	LED Display (CRT optional)
Monitoring	Central or remote via CMS central monitoring system with multiple connectivity options	
Environment	32–104°F, 0–40°C, humidity non-condensing up to 95%; harsh environment rugged service options available	
Standard enclosures	36" w x 42" h x 12" d, 914.4 x 1066.8 x 304.8 mm	
	34" w x 31.5" h x 11" d, 863.6 x 800.1 x 228.6 mm	

HS Series* group operation

- For multiple car groups, the HS non-programmable controller is used in conjunction with the HMC group dispatcher. Capabilities range to 12 cars serving up to 16 landings.
- Easily installed, it facilitates sophisticated ETA dispatching, which ensures the shortest possible waiting time for passengers.
- Traffic is re-evaluated ten times per second, which eliminates needless elevator trips. This efficiency minimizes equipment wear and tear, and helps reduce maintenance costs.

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