

LiftMaster

GH

Heavy Industrial-Duty Gear-Reduced Hoist Operator

Model GH is a heavy industrial-duty gear-reduced hoist operator. It features a removable hinged electrical box cover and is easily field-converted in seconds for a left or right-handed drive and hoist.

LOGIC 3.0 TECHNOLOGY (L3)

Added Value

- Built-in 3-channel, 315MHz radio receiver accepts up to 23 Security+® or unlimited DIP switch remotes. 3-button remotes can be programmed for open/close/stop operation.
- Maintenance Alert System™ establishes a routine maintenance schedule based on the number of cycles or calendar date. Includes self-diagnostic system that allows you to troubleshoot up to eight different error codes.
- Timer-to-Close allows programming in 5-sec or 1-min increments. Commercial or industrial photo-eyes required.
- Thermal motor overload can be easily reset from the 3-button floor level control station

Reliability & Programming Simplicity

- Switchless motor eliminates stuck start switch and motor malfunctions on single-phase operators
- All high-voltage connections have been removed from the board for safety and ease of service
- Diagnostic LEDs speed installation and troubleshooting
- Motor direction jumper lets you change motor direction by simply moving a jumper

Available Plug-in Options for Logic 3.0 (L3)

Auxiliary Contact: Used to operate security, warning, heating or other 5V to 240V devices. Features both normally open and closed contacts that actuate in conjunction with limit switches.

Warning Signal: Red/green light module provides safety warning prior to close (when using timer-to-close feature). Also supports audio warning devices and includes down mid-stop feature.

CPS3 Option: Enables the addition of a second set of photo-eyes or 2- or 4-wire, self-monitoring edge.

Mechanical Reversing Contactor Circuit (M): (115V, 208/230V, 460V, 575V, 24V NEC Class 2 Circuit with 40VA transformer) Industrial linear contactor provides significantly longer control runs than conventional contactors.

STANDARD FEATURES

Motor: Continuous-duty high-starting torque motor with instant reverse and overload protection. Available in 1/2 to 5 HP; single- or three-phase. Removable without affecting limit switch settings.



OWNER'S MANUALS

[GH LOGIC VERSION 2](#) ▶

[GH LOGIC 3](#) ▶

[GH LOGIC VERSION 1](#) ▶

[GH-MECHANICAL](#) ▶

Auxiliary Chain Hoist: Reduced drive chain hoist with electrically interlocked floor level disconnect for manual operation. Hoist wheel is easily moved to right- or left-hand side of unit, eliminating the need to order left- or right-hand mounting.

Drive Reduction: 45:1 using heavy-duty gears running in oil bath. Cast iron housing. Special "all-climate" synthetic gear oil for greater low-temperature performance.

Emergency Disconnect: Spring-loaded for emergency manual operation.

Wiring Type: B2, C2, D1 and E2 wiring types are standard and easily set using a selector dial on the Logic 3.0 Control Board (L3). T and TS wiring can be activated with use of a CPS-L or CPS-LN4. Reversing Contactor Units (M) have C2 wiring standard and B2 available by simply moving a jumper wire. Operators are pre-wired to accept a sensing edge, photoelectric sensors, radio controls and most types of access control equipment. Failsafe wiring can be selected with use of a CPS-L, CPS-LN4 or failsafe edge and CPS3 card.

External Radio Control Terminal: Quick, convenient connections for retrofitting or adding radio controls on logic or mechanical operators.

Bearings: Sealed roller bearings in gear reducer.

Brake: Solenoid-actuated brake is standard on 3/4 and 1 HP units to prevent coasting of door. Optional on 1/2 HP units.

Construction: NEMA 1 type electrical box, heavy-duty 11-gauge steel frame with durable powdercoat finish, all reduction sprockets drilled and pinned to shafts.

Push Button Station: 3-button station comes standard and has open/close/stop functionality.

Warranty: 2-year warranty.

CONTROL ACCESSORIES

CPS® Commercial Protector System®: (recommended) A "non-contact" photo safety sensor designed to sense an obstruction and signal the door operator to reverse to open.

Sensing Edge: (recommended) Designed to sense an obstruction and signal door operator to stop or reverse as desired. An electric or pneumatic sensing device can be added to bottom edge of door.

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