



MH

Medium-Duty Hoist Operator

Overall Rating:



Model MH is a Medium-Duty Logic hoist operator. It features an adjustable friction clutch, a standard solenoid brake, a high-starting torque motor, a compact design and an emergency chain hoist with an electric interlock.

MEDIUM-DUTY LOGIC TECHNOLOGY

Added Value

- UL325-2010 compliant Medium-Duty Logic programmable integrated circuit board
- Built-in 3-channel, 315MHz radio receiver accepts up to 20 Chamberlain® Security+® or unlimited DIP switch remotes. 3-button remotes can be programmed for OPEN/CLOSE/STOP operation
- Programmable C2 or B2 wiring options (B2 requires CPS-RPEN4, CPS-U, CPS-UN4, or CPS-EI)
- Integrated Timer-to-Close (TTC) allows programming from 5 to 60 seconds in 5-second increments. Allows for timed automatic door closure after the door reaches the full open position (Requires monitored safety devices, with CPS-RPEN4, CPS-U, CPS-UN4, or CPS-EI)
- Integrated 90-second maximum run timer
- UL325-2010 Monitored Entrapment Capability
- Monitored protection against transient overvoltage conditions
- 3-button control station included

STANDARD FEATURES

Motor: Powerful 1/2 HP, 115V single phase motor with instant reverse and internal automatic reset thermal overload. Removable without affecting limit switch settings.

Operator/Motor Control: Solid-state Medium-Duty circuit board.

Control Circuit: 24V NEC Class 2.

Emergency Manual Operation: Model MH provides easy emergency manual operation using a floor level disconnect and an electrically interlocked chain hoist mechanism.

Brake: Heavy-duty solenoid actuated brake standard.

Wiring Type: All operators are factory preset to C2 wiring providing momentary contact to open and stop with constant contact to close. Momentary contact to close (B2 wiring) can be easily set, but requires the presence of either CPS-RPEN4, CPS-U, CPS-UN4, or CPS-EI safety devices. The operator is pre-wired to accept a sensing device, photoelectric control, radio controls and most types of access control equipment.

Drive Reduction: First stage heavy-duty 4L V-belt; second and third stages #48 chain.

Bearings: Heavy-duty oil-filled bearings.

Push Button Station: 3-button station for OPEN/CLOSE/STOP functions is standard for all operators. Controls with 1, 2 and 3 buttons are available.

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

Radio Receiver: 315MHz radio receiver is integral to the Medium-Duty logic board. Accepts up to 20 Security+® remote controls and unlimited DIP switch remote controls.

Friction Clutch: Adjustable friction clutch helps protect against damage to the door and operator should the door meet an obstruction.

Warranty: 2-year warranty.

CONTROL ACCESSORIES AND OPTIONS

Primary Monitored Entrapment Protection: The presence of primary entrapment protection is required for all modes and features beyond basic constant-pressure-to-close performance. Primary entrapment protection devices are monitored continuously to insure safe operation of the door and limit door operator functionality should an obstruction be detected or in the event of device failure. LiftMaster Monitored Entrapment Protection devices, CPS-RPEN4, CPS-U, CPS-UN4 and CPS-EI, are designed to work in conjunction with LiftMaster commercial door operators to provide enhanced door safety and a broad range of modes and features to end users. Either monitored photo-sensor or monitored 4-wire sensing edge (in conjunction with the CPS-EI Edge Interface) protection may be selected, but one must be detected by the LiftMaster Logic 4.0 or Medium-Duty Logic circuit board in order to unlock full functionality.

Ancillary Entrapment Protection: (optional) LiftMaster Retro-Reflective Commercial Protector System® photo sensors, 2-wire non-monitored sensing edges and pneumatic sensing edges are considered

secondary entrapment protection and may be used to supplement primary entrapment protection or basic constant-pressure-to-close.

Radio Control: Universal transmitters and receivers are available to signal the operator to open and/or close.

Rolling Door Interlock Switch: Interlock switch disables the operator control circuit when a manual door lock is engaged preventing damage to the door and operator.

Weathertight Control Devices: A variety of weathertight control devices are available including 3-button control stations, key control stations and digital keypads.



HJ

Industrial-Duty Hoist/Jackshaft Operator

Model HJ is an industrial-duty hoist/jackshaft operator. It features a continuous-duty high-starting torque motor, a universal-mount frame design, industrial ball bearings on the output shaft and an emergency chain hoist with an electric interlock.

LOGIC 4.0 TECHNOLOGY (L4)

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 1-sec or 15-sec increments and permits timed automatic door closure after the door reaches the full open position; requires monitored photo sensors, either CPS-RPEN4, CPS-U or CPS-UN4, or a 4-wire edge, using the CPS-EI edge interface
- 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 4.0 (L4)

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.

TLS1CARD: Provides seven field-selectable modifications, including six door traffic control options. Combines with Logic 4.0's standard Timer-to-Close feature to offer timed, sequenced activation of warning lights, sounders, and other devices (sold separately) that can be operated via dry contact closure.

CPS3 or CPS3-N4 Option: Enables the addition of a second set of photo-eyes.

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 1/3, 1/2, 3/4 and 1 HP; single- or three-phase. Removable without affecting limit switch settings.

Drive Reduction: First-stage heavy-duty 5L V-belt; second and third stages #48 chain; #50 drive chain.

Emergency Disconnect: Easy emergency manual operation using an electrically interlocked floor level disconnect and hoist mechanism.

Wiring Type: All operators are factory preset to C2 wiring providing momentary contact to open and stop, with constant contact to close; D1 and E2 wiring are also available. Momentary contact to close (B2 wiring), T, TS, and FSTS wiring can be activated with the use of CPS-RPEN4, CPS-U, CPS-UN4, or CPS-EI safety edge interface. The operator is pre-wired to accept a sensing device, photoelectric sensors, radio controls and most types of access control equipment.

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

Bearings: Industrial ball bearings on a 1" output shaft; heavy-duty oil-filled iron bearings on reduction shafts.

Friction Clutch: Adjustable, helps protect against major damage to door and operator should the door meet an obstruction.

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: 2-button station for OPEN/CLOSE functions is standard with D or D1 wiring. 3-button station is standard with B2 or C2 wiring.

PosiLock® Mechanical Brake System: Self-locking mechanical reduction system that functions as a holding brake.

Warranty: 2-year warranty.

CONTROL ACCESSORIES

Primary Monitored Entrapment Protection: The presence of primary entrapment protection is required for all modes and features beyond basic constant-pressure-to-close performance. Primary entrapment protection devices are monitored continuously to insure safe operation of the door and limit door operator functionality should an obstruction be detected or in the event of device failure. LiftMaster Monitored Entrapment Protection devices, CPS-RPEN4, CPS-U, CPS-UN4 and CPS-EI, are designed to work in conjunction with LiftMaster commercial door operators to provide enhanced door safety and a broad range of modes and features to end users. Either monitored photo-sensor or monitored 4-wire sensing edge (in conjunction with the CPS-EI Edge Interface) protection may be selected, but one must be detected by the LiftMaster Logic 4.0 or Medium-Duty Logic circuit board in order to unlock full functionality.

Ancillary Entrapment Protection: (optional) LiftMaster Retro-Reflective Commercial Protector System® photo sensors, 2-wire non-monitored sensing edges and pneumatic sensing edges are considered secondary entrapment protection and may be used to supplement primary entrapment protection or basic constant-pressure-to-close.



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 4.0 TECHNOLOGY (L4)

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 1-sec or 15-sec increments and permits timed automatic door closure after the door reaches the full open position; requires monitored photo sensors, either CPS-RPEN4, CPS-U or CPS-UN4, or a 4-wire edge, using the CPS-EI edge interface
- 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 4.0 (L4)

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.

TLS1CARD: Provides seven field-selectable modifications, including six door traffic control options. Combines with Logic 4.0's standard Timer-to-Close feature to offer timed, sequenced activation of warning lights, sounders, and other devices (sold separately) that can be operated via dry contact closure.

CPS3 or CPS3-N4 Option: Enables the addition of a second set of photo-eyes.

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.

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: All operators are factory preset to C2 wiring providing momentary contact to open and stop, with constant contact to close; D1 and E2 wiring are also available. Momentary contact to close (B2 wiring), T, TS, and FSTS wiring can be activated with the use of CPS-RPEN4, CPS-U, CPS-UN4, or CPS-EI safety edge interface. The operator is pre-wired to accept a sensing device, photoelectric sensors, radio controls and most types of access control equipment.

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 to prevent coasting of door.

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

Primary Monitored Entrapment Protection: The presence of primary entrapment protection is required for all modes and features beyond basic constant-pressure-to-close performance. Primary entrapment protection devices are monitored continuously to insure safe operation of the door and limit door operator functionality should an obstruction be detected or in the event of device failure. LiftMaster Monitored Entrapment Protection devices, CPS-RPEN4, CPS-U, CPS-UN4 and CPS-EI, are designed to work in conjunction with LiftMaster commercial door operators to provide enhanced door safety and a broad range of modes and features to end users. Either monitored photo-sensor or monitored 4-wire sensing edge (in conjunction with the CPS-EI Edge Interface) protection may be selected, but one must be detected by the LiftMaster Logic 4.0 or Medium-Duty Logic circuit board in order to unlock full functionality.

Ancillary Entrapment Protection: (optional) LiftMaster Retro-Reflective Commercial Protector System® photo sensors, 2-wire non-monitored sensing edges and pneumatic sensing edges are considered secondary entrapment protection and may be used to supplement primary entrapment protection or basic constant-pressure-to-close.



MHS

Slow-Speed Hoist Operator for Rolling Sheet Doors

Model MHS is an Medium-Duty Logic slow-speed hoist operator for rolling sheet doors. It features a high-starting torque motor with overload protection, adjustable friction clutch, a compact design, and an emergency chain hoist with an electric interlock.

MEDIUM-DUTY LOGIC TECHNOLOGY

Added Value

- UL325-2010 compliant Medium-Duty Logic programmable integrated circuit board
- Built-in 3-channel, 315MHz radio receiver accepts up to 20 Chamberlain® Security+® or unlimited DIP switch remotes. 3-button remotes can be programmed for OPEN/CLOSE/STOP operation
- Programmable C2 or B2 wiring options (B2 requires CPS-RPEN4, CPS-U, CPS-UN4, or CPS-EI)
- Integrated Timer-to-Close (TTC) allows programming from 5 to 60 seconds in 5-second increments. Allows for timed automatic door closure after the door reaches the full open position (Requires monitored safety devices, with CPS-RPEN4, CPS-U, CPS-UN4, or CPS-EI)
- Integrated 90-second maximum run timer
- UL325-2010 Monitored Entrapment Capability
- Monitored protection against transient overvoltage conditions
- 3-button control station included

STANDARD FEATURES

Motor: Powerful 1/2 HP, 115V single-phase motor with instant reverse, capacitor start and overload protection. Removable without affecting limit switch settings.

Drive Reduction: First-stage heavy-duty 4L V-belt; second and third stages #48 chain.

Emergency Manual Operation: Easy emergency manual operation

using a floor level disconnect or an electrically interlocked chain hoist mechanism.

Operator/Motor Control: Solid-state Medium-Duty Logic circuit board.

Control Circuit: 24V NEC Class 2.

Wiring Type: All operators are factory preset to C2 wiring providing momentary contact to open and stop with constant contact to close. Momentary contact to close (B2 wiring) can be easily set, but requires the presence of either CPS-RPEN4, CPS-U, CPS-UN4, or CPS-EI safety devices. The operator is pre-wired to accept a sensing device, photoelectric control, radio controls and most types of access control equipment.

Radio Receiver: 315 MHz radio receiver is integral to the Medium-Duty Logic board. Accepts up to 20 Security+® remote controls and unlimited DIP switch remote controls.

Bushings: Heavy-duty oil-filled bushings.

Friction Clutch: Adjustable, helps protect against major damage to door and operator should the door meet an obstruction.

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 for OPEN/CLOSE functions is standard for all operators. Controls with 1, 2 and 3 buttons are available.

Warranty: 2-year warranty.

CONTROL ACCESSORIES

Primary Monitored Entrapment Protection: The presence of primary entrapment protection is required for all modes and features beyond basic constant-pressure-to-close performance. Primary entrapment protection devices are monitored continuously to insure safe operation of the door and limit door operator functionality should an obstruction be detected or in the event of device failure. LiftMaster Monitored Entrapment Protection devices, CPS-RPEN4, CPS-U, CPS-UN4 and CPS-EI, are designed to work in conjunction with LiftMaster commercial door operators to provide enhanced door safety and a broad range of modes and features to end users. Either monitored photo-sensor or monitored 4-wire sensing edge (in conjunction with the CPS-EI Edge Interface) protection may be selected, but one must be detected by the LiftMaster Logic 4.0 or Medium-Duty Logic circuit board in order to unlock full functionality.

Ancillary Entrapment Protection: (optional) LiftMaster Retro-Reflective Commercial Protector System® photo sensors, 2-wire non-

monitored sensing edges and pneumatic sensing edges are considered secondary entrapment protection and may be used to supplement primary entrapment protection or basic constant-pressure-to-close.

Radio Control: Universal remote controls and receivers are available to signal the operator to open, close and stop.

Rolling Door Interlock Switch: Disables the operator control circuit when a manual door lock is engaged, preventing damage to the door and operator.

Wireless Access Control Devices: Weather-proof single- or 3-button wireless control stations are available and compatible with the Medium-Duty Logic on-board receiver. In addition, a choice of either a 5- or 250-code wireless keypad is available. Wireless controls should be used to supplement hard-wired controls and should not be used in place of such controls unless a sensing device, such as photo-eyes or a sensing edge, is present.



H

Industrial-Duty Hoist Operator

Model H is an industrial-duty hoist operator. It features a continuous-duty high-starting torque motor, a universal-mount frame design, industrial ball bearings on the output shaft and an emergency chain hoist with an electric interlock.

LOGIC 4.0 TECHNOLOGY (L4)

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 1-sec or 15-sec increments and permits timed automatic door closure after the door reaches the full open position; requires monitored photo sensors, either CPS-RPEN4, CPS-U or CPS-UN4, or a 4-wire edge, using the CPS-EI edge interface
- 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 4.0 (L4)

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.

TLS1CARD: Provides seven field-selectable modifications, including six door traffic control options. Combines with Logic 4.0's standard Timer-to-Close feature to offer timed, sequenced activation of warning lights, sounders, and other devices (sold separately) that can be operated via dry contact closure.

CPS3 or CPS3-N4 Option: Enables the addition of a second set of photo-eyes.

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 1/3, 1/2, 3/4 and 1 HP; single- or three-phase. Removable without affecting limit switch settings.

Drive Reduction: First-stage heavy-duty 5L V-belt; second and third stages #48 chain; #50 drive chain.

Emergency Disconnect: Easy emergency manual operation using an electrically interlocked floor level disconnect and hoist mechanism.

Wiring Type: All operators are factory preset to C2 wiring providing momentary contact to open and stop, with constant contact to close; D1 and E2 wiring are also available. Momentary contact to close (B2 wiring), T, TS, and FSTS wiring can be activated with the use of CPS-RPEN4, CPS-U, CPS-UN4, or CPS-EI safety edge interface. The operator is pre-wired to accept a sensing device, photoelectric sensors, radio controls and most types of access control equipment.

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

Bearings: Industrial ball bearings on a 1" output shaft; heavy-duty oil-

filled iron bearings on reduction shafts.

Friction Clutch: Adjustable, helps protect against major damage to door and operator should the door meet an obstruction.

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: 2-button station for OPEN/CLOSE functions is standard with D or D1 wiring. 3-button station is standard with B2 or C2 wiring.

PosiLock® Mechanical Brake System: Self-locking mechanical reduction system that functions as a holding brake.

Warranty: 2-year warranty.

CONTROL ACCESSORIES

Primary Monitored Entrapment Protection: The presence of primary entrapment protection is required for all modes and features beyond basic constant-pressure-to-close performance. Primary entrapment protection devices are monitored continuously to insure safe operation of the door and limit door operator functionality should an obstruction be detected or in the event of device failure. LiftMaster Monitored Entrapment Protection devices, CPS-RPEN4, CPS-U, CPS-UN4 and CPS-EI, are designed to work in conjunction with LiftMaster commercial door operators to provide enhanced door safety and a broad range of modes and features to end users. Either monitored photo-sensor or monitored 4-wire sensing edge (in conjunction with the CPS-EI Edge Interface) protection may be selected, but one must be detected by the LiftMaster Logic 4.0 or Medium-Duty Logic circuit board in order to unlock full functionality.

Ancillary Entrapment Protection: (optional) LiftMaster Retro-Reflective Commercial Protector System® photo sensors, 2-wire non-monitored sensing edges and pneumatic sensing edges are considered secondary entrapment protection and may be used to supplement primary entrapment protection or basic constant-pressure-to-close.



DHJ

Industrial-Duty Hoist/Jackshaft Operator with Internal Door Lock Sensor

Model DHJ is an industrial-duty hoist/jackshaft operator with an internal door lock sensor. It features a removable hinged electrical box cover, a continuous-duty high-starting torque motor, a universal-mount frame design, industrial ball bearings on the output shaft and an emergency chain hoist with electric interlock.

LOGIC 4.0 TECHNOLOGY (L4)

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 1-sec or 15-sec increments and permits timed automatic door closure after the door reaches the full open position; requires monitored photo sensors, either CPS-RPEN4, CPS-U or CPS-UN4, or a 4-wire edge, using the CPS-EI edge interface
- 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 4.0 (L4)

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.

TLS1CARD: Provides seven field-selectable modifications, including six door traffic control options. Combines with Logic 4.0's standard Timer-to-Close feature to offer timed, sequenced activation of warning lights,

sounders, and other devices (sold separately) that can be operated via dry contact closure.

CPS3 or CPS3-N4 Option: Enables the addition of a second set of photo-eyes.

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 1/3 and 1/2; single- or three-phase. Removable without affecting limit switch settings.

Door Lock Sensor: Adjustable door lock sensor can detect if the door lock is engaged and will stop the operator, eliminating jamming and damage to the door or operator.

Drive Reduction: First-stage heavy-duty 5L V-belt; second and third stages #48 chain; #50 drive chain.

Emergency Disconnect: Easy emergency manual operation using an electrically interlocked floor level disconnect and hoist mechanism.

Wiring Type: All operators are factory preset to C2 wiring providing momentary contact to open and stop, with constant contact to close; D1 and E2 wiring are also available. Momentary contact to close (B2 wiring), T, TS, and FSTS wiring can be activated with the use of CPS-RPEN4, CPS-U, CPS-UN4, or CPS-EI safety edge interface. The operator is pre-wired to accept a sensing device, photoelectric sensors, radio controls and most types of access control equipment.

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

Bearings: Industrial ball bearings on a 1" output shaft; heavy-duty oil-filled iron bearings on reduction shafts.

Friction Clutch: Adjustable, helps protect against major damage to door and operator should the door meet an obstruction.

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: 2-button station for OPEN/CLOSE functions is standard with D or D1 wiring. 3-button station is standard with B2 or C2 wiring.

PosiLock® Mechanical Brake System: Self-locking mechanical reduction system that functions as a holding brake.

Warranty: 2-year warranty.

CONTROL ACCESSORIES

Primary Monitored Entrapment Protection: The presence of primary entrapment protection is required for all modes and features beyond basic constant-pressure-to-close performance. Primary entrapment protection devices are monitored continuously to insure safe operation of the door and limit door operator functionality should an obstruction be detected or in the event of device failure. LiftMaster Monitored Entrapment Protection devices, CPS-RPEN4, CPS-U, CPS-UN4 and CPS-EI, are designed to work in conjunction with LiftMaster commercial door operators to provide enhanced door safety and a broad range of modes and features to end users. Either monitored photo-sensor or monitored 4-wire sensing edge (in conjunction with the CPS-EI Edge Interface) protection may be selected, but one must be detected by the LiftMaster Logic 4.0 or Medium-Duty Logic circuit board in order to unlock full functionality.

Ancillary Entrapment Protection: (optional) LiftMaster Retro-Reflective Commercial Protector System® photo sensors, 2-wire non-monitored sensing edges and pneumatic sensing edges are considered secondary entrapment protection and may be used to supplement primary entrapment protection or basic constant-pressure-to-close.

2-Position Keylock: (flush mount) Ideal for use with the DJ operator. Provides open/close operation with spring to center (Model 02-109).



GH5HP

5 HP Heavy Industrial-Duty Gear-Reduced Hoist Operator

Model GH5HP is a heavy industrial-duty gear-reduced hoist operator. It features a continuous-duty 5 HP brake motor, removable hinged electrical box cover and a specially-designed manual hoist gear system.

STANDARD FEATURES

Motor: AC synchronous continuous-duty brake motor available in 5 HP, 3-phase with 1725 RPM. Voltage available in 208/230 and 460 3-phase or 575 3-phase.

Auxiliary Chain Hoist: Reduced drive chain hoist with electrically interlocked floor level disconnect and hoist mechanism. 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.

Wiring Type: Reversing Contactor Units (M) have C2 wiring standard and B2 available by simply moving a jumper wire. All operators are pre-wired to accept a sensing edge, photoelectric sensors, radio controls and most types of access control equipment.

Internal Radio Control Terminal: Located inside the electrical enclosure. All standard radio control receivers may be used.

Bearings: Sealed roller bearings in gear reducer.

Brake: AC synchronous continuous-duty brake motor.

Push Button Station: 3-button station for OPEN/CLOSE/STOP functions is standard for all operators. Controls with 1, 2 and 3 buttons are available.

Warranty: 2-year warranty.

CONTROL ACCESSORIES

CPS-N4 Commercial Protector System®: (recommended) A "non-contact" photo safety sensor designed to sense an obstruction and signal the door operator to reverse to open. Maximum range 45 ft.

Sensing Edge: (recommended) Senses an obstruction and signals door operator to stop or reverse upon contact. An electric or pneumatic sensing device can be added to bottom edge of door. Requires D2, C2, or B2 wiring.

Rolling Door Interlock Switch: Disables the operator control circuit when a manual door lock is engaged, preventing damage to the door and operator.

Friction Clutch: Adjustable in-line friction clutch helps protect against damage to the door and operator should the door meet an obstruction.

Radio Control: Universal transmitters and receivers are available to signal the operator to open and/or close.