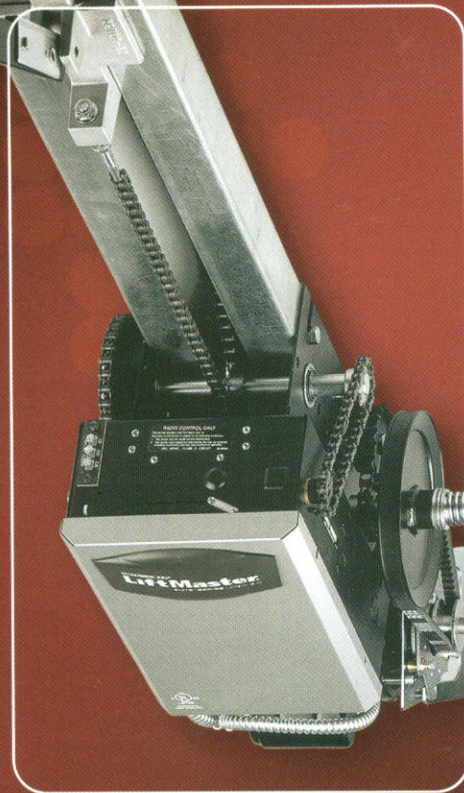


CHAMBERLAIN®

LiftMaster®

ELITE™ SERIES LOGIC 3.0



LOW-PROFILE APARTMENT HOUSE OPERATOR

- Resilient-mount motor
- Low-profile design
- Industrial ball bearings on output shaft
- Quiet-gliding rail spacers
- Auto-reconnect trolley assembly with nylon inserts
- Solenoid brake, standard

Logic 3.0 Technology

More included features than ever before. Easier and faster to install.

Elite™ Series Commercial Door Operators are engineered, manufactured and tested to provide reliable service to meet the toughest commercial applications.

Added Value

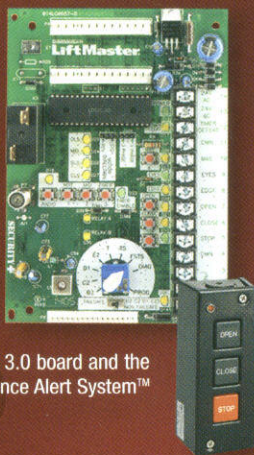
- Built-in 3-channel, 315MHz radio receiver lets you add as many as 23 Security+® or unlimited DIP switch remote controls.
- All LiftMaster® 3-button remotes can be programmed for open/close/stop operation.
- Improved Maintenance Alert System™ lets you establish a routine maintenance schedule based on the number of cycles or calendar date. Includes self-diagnostic system that allows you to troubleshoot up to eight different error codes.
- Timer may be set to close in 5-second or 1-minute increments. LED flashes to show timer countdown.
- Thermal motor overload can now be easily reset from the 3-button floor level control station.
- Programmable mid-stop allows door to stop at mid-point during open travel.
- Programmable maximum run timer signals door to reverse or stop if closing time exceeds maximum by more than 10 seconds.

Reliability

- Switchless motor eliminates stuck start switch and motor malfunctions on single-phase operators, the industry's #1 cause of motor failure and callbacks.
- All high-voltage connections have been removed from the board for safer installation and improved reliability.
- 1-1/2-second delay-on-reverse helps prevent door and operator wear.

Programming Simplicity

- Selector dial replaces DIP switches for selecting wiring types and programming.
- Selector switch for failsafe and non-failsafe wiring types.
- Diagnostic LEDs speed installation and troubleshooting of more features including photo-eyes, mid-stop, timer and timer defeat.
- Motor direction jumper lets you change motor direction by simply moving a jumper.



Includes the Logic 3.0 board and the improved Maintenance Alert System™



Featuring built-in radio receiver
Compatible with up to 23 Security+®
or unlimited DIP switch remote controls

(Remote controls sold separately)

Chamberlain LiftMaster Garage Door Corp., Skokie, IL

www.gdcorp.com N/NW Chicago & suburban IL LiftMaster dealer

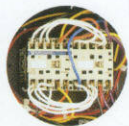
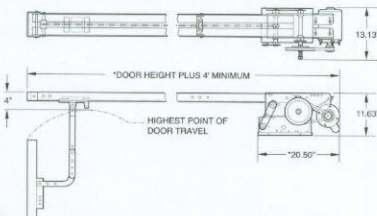
MODEL APT

COMMERCIAL DOOR
OPERATOR

Standard Features

- Motor**
 Continuous-duty high-starting torque motor with instant reverse and overload protection. Available in 1/2 HP; single-phase capacitor start motors. Removable without affecting limit switch settings.
- 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. T and TS wiring can be activated with use of the CPS-L or CPS-LN4. Failsafe wiring can be selected with the addition of a CPS-L, CPS-LN4 or failsafe edge and CPS3 card. The operator is pre-wired to accept a sensing device, photoelectric sensors, radio controls and most types of access control equipment.
- Maximum Run Timer**
 This standard feature on the Logic Control Board (L) is designed to protect against damage to the door and operator. Simply set the system to auto-learn the door's standard cycle time. Any time a closing door takes 10 seconds more than its programmed standard cycle time, the door will automatically reverse; in the up direction the door will stop.
- Programmable Mid-Stop**
 Allows an installer to program a stop position during mid-travel of the open cycle other than the open limit switch, which is ideal for car dealership requirements. Pressing the open button at this point will override the mid-stop and allow the door to fully stop.
- Delay-on-Reverse Circuit**
 A one-second delay-on-reverse circuit to prevent premature door and operator wear.
- Operator/Motor Control**
 Solid-state electronics with microprocessor-driven logic and Triac Circuitry motor switching (NEMA 1 enclosure).
- Low-Profile Design**
 Low-profile design can be ceiling-mounted for low headroom applications.
- Quiet Operation**
 A quality resilient-mount motor, nylon inserts on trolley assembly and nylon quiet-gliding chain guides on rail spacers provide quiet, smooth operation.
- Rail Assembly**
 High-strength dual L-rail track and quick-mount header bracket which provides fast, swing-up installation.
- Control Circuit**
 5V DC NEC Class 2 (logic), 24V DC NEC Class 2 (mechanical)
- Auto-Reconnect Trolley Assembly**
 Spring-loaded trolley features nylon inserts for quiet operation and auto-reconnect feature, eliminating the need to manually re-attach the door arm to the trolley after emergency disconnect.
- Drive Reduction**
 First-stage heavy-duty 4L V-belt; second and third stages #41 chain; output on trolley #48 chain.

Technical Information:



Also Available... 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. Circuit provides easy selection between C2 and B2 wiring with the movement of a single wire.

- 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 painted steel frame, all reduction sprockets drilled and pinned to shafts.
- Bearings**
 Industrial ball bearings on the output shaft; heavy-duty, oil-filled on reduction shafts.
- Radio Receiver & External Radio Control Terminal**
 315MHz radio receiver included as standard on Logic 3.0. Accepts up to 23 Security+® remote controls and unlimited DIP switch remotes. External terminals provide quick, convenient connections for retrofitting or adding radio controls on logic or mechanical operators.
- Friction Clutch**
 Adjustable friction clutch helps protect against major damage to door and operator should the door meet an obstruction.

Control Accessories and Options

- CPS® Commercial Protector System®:**
CPS, CPS-L, CPS-N4, CPS-LN4 (recommended)
 An inexpensive "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. Either an electric or pneumatic sensing device can be added to bottom edge of door.
- Transmitters**
 1- and 3-button transmitters available for Logic 3.0. 3-button transmitter can be programmed for open/close/stop functionality. Radio receiver and transmitters available for mechanical operators.
- Treadle**
 Signals door operator to open and/or close when vehicle depresses treadle.

Available Plug-in Options for the Logic 3.0 Control Board (L)

- Timer-to-Close**
 Automatically closes the door – programmable in 5-second or 1-minute increments. Part of the CPS-L, CPS3, CPS3-N4 and CPS-LN4 photo-eye packages or in the Logic 3.0 plug-in package.
- 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**
 Provides safety warning prior to close (when using timer-to-close feature). Apartment warning light function for use with included red/green light module. System also supports audio warning devices.
- CPS3 Option**
 Enables the addition of a second set of photo-eyes or 2- or 4-wire, self-monitoring edge.

Maximum Door Area (Sq. Ft.)

STANDARD SECTIONAL	24 GA./22 GA. STEEL	20 GA. STEEL	18 GA. STEEL	—
	ALUMINUM DOORS	WOOD DOORS	—	—
FIBERGLASS DOORS	20 GA. STEEL INSULATED	20 GA. STEEL INSULATED	16 GA. STEEL INSULATED	—
SQ. FEET	250	225	150	100

NOTE: On steel insulated doors, a 24-gauge back panel is assumed.

2-Year Warranty



CHAMBERLAIN®
LiftMaster®

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www.liftmaster.com

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Chamberlain reserves the right to make design or specification changes without notice.

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