

SECTION 08730

AUTOMATIC DOOR OPERATORS

RESIDENTIAL JACKSHAFT GARAGE DOOR OPENER
LIFTMASTER ELITE SERIES MODEL 3800



PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Jackshaft-type door operators for standard lift sectional doors.

1.2 RELATED SECTIONS

- A. Section 06100 – Rough Carpentry: Installation and requirements for blocking and nailers.
- B. Section 16050 – Basic Electrical Materials and Methods: Installation and requirements for electrical connections.

1.3 REFERENCES

- A. National Electrical Manufacturers Association (NEMA): NEMA ICS 6 - Industrial Control and Systems: Enclosures.
- B. UL325 – Safety Standard for Door, Drapery, Gate, Louver, and Window Operators/Systems

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 1. Preparation instructions and recommendations.
 2. Storage and handling requirements and recommendations.
 3. Installation Methods.
 4. Cleaning Methods.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging with labels intact until ready for installation.
- B. Schedule delivery of door operator so that spaces are sufficiently complete that door operators can be installed immediately upon delivery.
- C. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.6 WARRANTY

- A. Manufacturer's lifetime motor warranty. Five year warranty on all other parts. One year warranty on optional EverCharge Battery Backup System (Model 475LM).
- B. Manufacturer is an ISO9001/2000 Certified Company.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: The Chamberlain Group, Inc.; 845 Larch Avenue, Elmhurst, IL 60126-1196. ASD. Tel: (800) 282-6225. Fax: (630) 516-8412. Email: www.chamberlain.com
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 JACKSHAFT OPERATED GARAGE DOOR OPERATOR

- A. 24V DC Motor Wall Mounted Jackshaft-Type Operator: Direct drive opener for garages with very low cathedral or obstructed ceilings, sectional doors, with anti-burglary Security+ rolling code radio receiver, door travel rate speed of approximately 7.6" per second in both directions; Operating Temperature: -30 degrees to 150 degrees F.
- B. Model 3800; Chamberlain Elite Series, Elmhurst, IL.
 - 1. Electric Operator: Model 3800 light-duty assembly, complete with DC electric motor, optional EverCharge Battery Backup System, factory-prewired motor controls, solid state microcontroller with built-in surge suppressor, UL and CSA listed self-monitoring infrared sensing device integral to operator system and accessories required for proper operation.
 - a. Adjustments: Force – Internal Up and Down; Limit: Internal/Electronic.
 - b. Electric Motor: 180 Newtons, 53 RPM, 120 VAC, 60 Hz, 120 Watts Total System, with automatic motor thermal protection. Reduction Means: Gear 63:1. Permanent lubrication. Motor starter shall be of solid-state circuitry and enclosed in a NEMA 1 enclosure. Line Cord: 6' with a 3-prong plug. UL Listed. Variable Speed soft start/soft stop. Logic Type: Solid-State Microcontroller with built-in Surge Suppressor.
 - c. Radio Receiver: LiftMaster 315MHz on-board, single-channel receiver with external antenna and equipped to accept Security+ Rolling Code Technology remote transmitters. HOMELINK in-vehicle universal remote control compatible.
 - d. Dimensions:
 - Maximum door area: 180 square feet
 - Maximum door height: 14 feet
 - Headroom clearance required: 3 inches from center of torsion
 - 2. Self-Monitoring Safety Operation Application (Protector System): Operator shall include automatic safety reverse (on close) / automatic door stop (on open) and CPS self-monitoring infrared safety devices. Power Failure/Quick Release Handle and Ventilation/Pet Opening functions are standard equipment. Capability of two

100 Watt light bulbs (not included) with adjustable length of light delay (solid state control).

3. Materials: Steel chassis.
4. Security: Auto lock mechanism.
5. Radio Controls:
 - a. Premium remote control: Model 373P 3-button remote control for operation of up to three garage doors; illuminates with bright, blue lights as your hand approaches.
 - b. Multi-Function Smart Control Panel: provides time, temperature, and diagnostic information about your opener.
 - c. Remote Light: garage door opener light that can be positioned anywhere on the ceiling within 6 feet of an outlet.
 - d. Cable Tension Monitor: Specifically designed to maintain accurate tension and eliminate "cable throw" which occurs when the cable slips off the drum.
 - e. Power Lock: similar to a deadbolt, it ensures the door cannot be forced open.
6. Patented Absolute Positioning Technology
7. Quick-Connect Terminals: push-in wiring for quicker installation
8. Optional Accessories:
 - a. Wireless Keyless Entry with Security+ (model 377LM).
 - b. Fingerprint Keyless Entry (model 379LM-10): Capability to read up to 10 unique fingerprints. Security+ anti-burglary coding, with rolling code technology.
 - c. Garage Door Open/Close Monitor (model 915LM): lets you know when your garage door is open or closed from any room in your home.
 - d. EverCharge[®] Standby Power System (model 475LM): Standby power system will operate the garage door opener for 20 full cycles with a 24-hour period.
 - e. Alternate Power System (model 580LM): adds flexibility when outlet is not available within 6 feet of the installation. Includes transformer box, interface box, 35 feet of low-voltage wire and required mounting hardware.
 - f. Fingerprint Keyless Entry (model 379LM-10).
 - g. Additional remote lights (model 380LM).
 - h. Laser Garage Parking Assist (model 975LM0): Laser guidance system projects a beam down exactly where to park and when to stop.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the Methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

A. Install in accordance with manufacturer's instructions.

3.4 PROTECTION

A. Protect installed products until completion of project.

B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION