

MT

COMMERCIAL DOOR OPERATOR

MAXIMUM DOOR AREA (SQ. FT.)					
STANDARD SECTIONAL	—	24 ga./22 ga. Steel	20 ga. Steel	16 ga. Steel	—
	Fiberglass	Aluminum Doors	Wood Doors	—	—
SQ. FT.	310	260	225	150	100

NOTE: 1. On steel insulated doors, a 24-gauge back panel is assumed.
2. Maximum recommended duty cycles: 12 cycles per hour

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.
- **Emergency Disconnect**
Spring-loaded disconnect for emergency manual operation.
- **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 mode, providing momentary contact to open and stop, with constant contact to close. Monitored entrapment protection, using approved photo sensors or sensing edges, is optional, although recommended, when using this wiring type. Momentary contact to close (B2 mode) is an available optional wiring type, but can only be selected when the appropriate monitored entrapment protection device, either LiftMaster® CPS-U / CPS-UN4 photo sensors or a monitored 4-wire sensing edge (via the CPS-EI interface), is present. The Medium-Duty Logic operator is pre-wired to accept CPS-U / CPS-UN4 / CPS-EI monitored entrapment protection devices.
- **Drive Reduction**
First-stage heavy-duty 4L V-belt; second and third stages #48 chain.
- **Bushings**
Heavy-duty oil-filled bushings.
- **Friction Clutch**
Adjustable friction clutch helps protect against damage to the door and operator should the door meet an obstruction.
- **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.
- **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.
- **Construction**
NEMA 1 type electrical box, heavy-duty 11-gauge steel frame with baked-on powdercoat finish, all reduction sprockets drilled and pinned to shafts.
- **Rail Assembly**
High-strength dual L-rail track with exclusive nylon quiet-gliding chain guides on rail spacers for quiet, smooth operation. Includes quick-mount header bracket, which provides fast, swing-up installation.

LiftMaster®

Commercial Door Operators

THE CHAMBERLAIN GROUP, INC.
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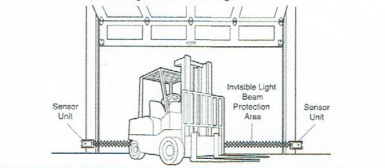
Control Accessories and Options

- **Brake**
Heavy-duty solenoid-actuated brake. Order operator BMT.
- **Auto-reconnect Trolley Assembly**
Spring-loaded trolley features nylon inserts for quiet operation and auto-reconnect feature, eliminating the need to manually reattach the door arm to the trolley after emergency disconnect.
- **Sensing Edge**
If CPS-U / CPS-UN4 photo sensors are present, a non-monitored 2-wire electric edge or pneumatic (air hose) edge may be used as an ancillary protection device if using B2 mode. For C2 mode only, installation of either a 2-wire electric or pneumatic edge is optional.
- **Radio Control**
Universal remote controls and receivers are available to signal the operator to open, close and stop.
- **Key Switch**
Designed to restrict operation of door to authorized personnel only. Various types available.
- **Interlock Switch**
Prevents accidental operation of the door by disabling the control circuit when a manual door lock is engaged.
- **Wireless Access Control Devices**
Weather-proof single or 3-button wireless control stations are available and are 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 safety device, such as photo-eyes or a sensing edge, is present.

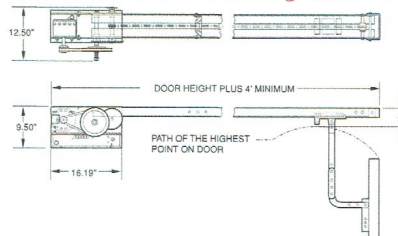
CPS-U / CPS-UN4 Commercial Protector System®

These photo sensors are designed to sense an obstruction and instruct the operator to reverse the closing door to the full open position.

- Signals operator continuously to provide regulatory mandated requirements regarding monitored entrapment protection
- LED indicators for quick alignment
- Safety of a non-contact infrared reversing sensor
- Heavy gauge mounting brackets
- Quick installation and pre-molded for 1/2" trade size conduit fitting (CPS-UN4)
- Bright yellow safety color
- For CPS-UN4, watertight NEMA 4 design



Clearance and Mounting Details



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