

ControlHoist™ Basic

Basic Commercial Operator

The ControlHoist Basic is a ½ horsepower, belt-drive operator, perfect for operating smaller sized sectional doors, rolling doors and grilles. This entry level unit is loaded with innovative features along with a durable construction suitable for most commercial applications.

Models

The **CMJ** model is designed for use on vertical lift and lift clearance sectional doors or small rolling doors and grilles. The operator can be wall or hood mounted on either side of the door. It incorporates a floor level disconnect mechanism for manual operation.

The **CMH** model is designed for use on vertical lift and lift clearance sectional doors or small rolling doors and grilles. The operator can be wall or hood mounted on either side of the door. It incorporates the patented Hoist-a-matic®, a self-engaging chain hoist for manual operation, which simplifies operation and installation.

The **CMT** model is designed for use on smaller and low-cycling industrial standard lift sectional doors. It features a high starting torque intermittent duty industrial type motor and a quick release disconnect arm.

Specifications

Operation: Jackshaft
Trolley

Duty Cycle: 14/hr or 50 cycles/day

Drive: Belt

NEMA Options: NEMA 1

Motor ½ HP, 120V single phase, 60Hz intermittent-duty open type motor with 1.5s delay on reverse and internal automatic reset thermal overload protection.

Circuit Board: Solid State Logic with LED diagnostic

Power: 120V Single-Phase

Radio Receiver: Optional

Radio Transmitter: Optional

Warranty: 3 years with purchase of door
2 years with purchase of operator only

Raynor Advantage: Easily configure the correct operator with a door for a total Raynor branded system with an extended extra year of warranty.



CMJ



CMH



CMT

Standard Features

Manual Operation:

CMJ- A floor level disconnect mechanism which must be engaged for manual push-up operation.

CMH- Hoist-a-matic® self-engaging hoist (floor level engagement device is not required to operate) for manual chain operation. An electrical interlock automatically disconnects power to the motor operator when the chain hoist is engaged. Hoist on right is standard.

CMT- Quick release disconnect arm for manual push-up operation.

Brake: Built-in mechanical brake system helps to prevent the door from drifting and adds security by preventing forced opening.

Drive Reduction: Primary reduction is belt drive. Secondary reduction is by chain and sprocket.

Adjustable Friction Clutch: Helps to protect the door and operator from damage should it come into contact with any obstruction.

Corrosion Protection: Frame and control enclosure protected by baked on, long lasting enamel finish. All shafts protected by yellow chromate coating.

Accu-cam® Limit Feature: For precise and quick one-handed limit setting adjustments.

Cycle Counter: LED clearly indicates the number of cycles logged for easy maintenance support.

Programmable Mid-Stop: This feature enables partial opening of door to a preprogrammed position for energy savings, time savings and convenience.

Timer-To-Close: Closes the door automatically after a predetermined amount of time has elapsed, for security and convenience.

Exterior Radio Control Terminal: Provides for fast and easy connection of radio controls. When range is an issue, an external mounted radio receiver allows the flexibility for the receiver to be moved to a new location for improved range.

3-Button Control Station: This station provides open/close/stop functions.

Controls

Entrapment: UL 325 2010 requires all commercial operators to use constant pressure to close or be equipped with an approved monitored entrapment protection device, such as a monitored photo eye or reversing edge. All ControlHoist commercial operators are provided standard with constant pressure to close. In addition, a non-monitored entrapment device can also be selected.

Circuit Board: 24VDC relaying circuit with a 40VA class II transformer, non-volatile memory. Features available:

- 1.5s delay on reverse
- Maximum run timer
- Mid-stop
- Timer to close
- Advance close system
- Test buttons
- Reverse wiring detection
- Door lock sensor

Certifications: ANSI/CAN/UL325 and CSA C22.2-247.92.

CMT Dimensions

Maximum Door Height:

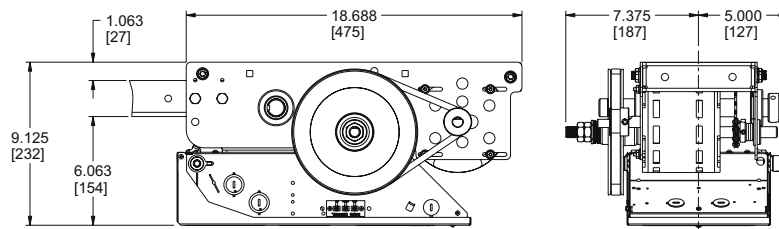
14' (4267 mm)

Headroom for Tracks:

5" (127 mm) above the highest point of door travel

Back Room Door Height:

+ 3'11" (1194 mm)



CMJ & CMH Dimensions

Maximum Door Height:

14' (4267 mm)

Clearance:

Side room required 15" (381 mm)

