

ControlHoist™ Optima



COH

Optima Commercial Operator

Designed for larger sectional doors, rolling doors and higher-cycle applications, the ControlHoist Optima is a heavy-duty, gear driven operator that is built with a continuous-duty, overload protected motor with high starting torque. All units feature heavy-duty industrial ball bearings, worm gear drive in oil bath and an electromechanical brake. Innovative features along with durable mechanical design, provide consistent and reliable operation for the most stringent applications.

Specifications

- Operation:** Trolley
Dual Trolley
Jackshaft with Hoist
- Duty Cycle:** 30/hr
- Drive:** Gear
- NEMA Options:** NEMA 1, NEMA 4, NEMA 7 & 9 and NEMA 12
- Motor:** Continuous Duty — ½, ¾, 1, 1½, 2 HP
- Circuit Board:** Solid State Logic with LCD Display
- Power:** 120/240V Single-Phase
208/240/480/575V 3-Phase
- Brake:** Standard on all jackshaft & trolley models
- Wiring Options:** 24V Class 2, On-board Selection
- 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.

**For NEMA 4 & 575V 3-Phase specifications, please contact factory.*

COT also available

Standard Features

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 Optima operators are provided standard with constant pressure to close. Up to two (2) monitored entrapment devices can be selected. In addition a non-monitored entrapment device can also be selected.

LCD (Liquid Crystal Display): The 16 character LCD display allows for easy programming with an intuitive set up menu. Status indicators provide real-time status and display error messages for easy troubleshooting assistance.

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

Programmable Mid-Stop: Adjustable from 3-30 seconds, 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.

Ventilation Feature: When a device such as a CO detector is activated, the door will partially open for a pre-determined amount of time. Once the CO detector is clear, the door will close.

Fire Station Timer: Ideal for fire stations. A push button or pull cord can be used to activate the open cycle and timer to close feature. Only the push button or pull cord will control the timer to close.

Motor: Continuous-duty, overload protected motor with high starting torque.

Drive Reduction: Primary reduction by worm gear in oil bath. Secondary reduction by chain and sprocket.

Electro Magnetic Brake System: 24VDC brake. Fewer mechanical parts for improved reliability.

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

3-Button Control Station: Provides open/close/stop functions.

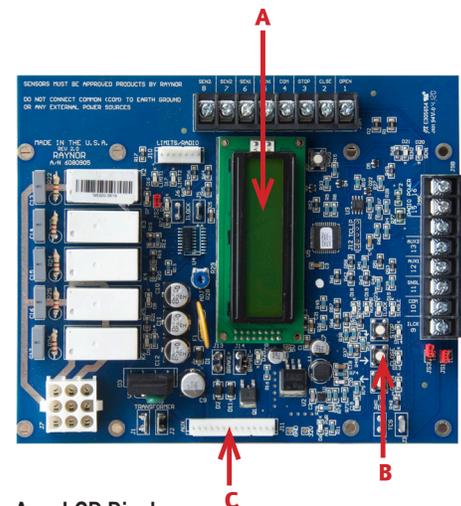
Exterior Radio Control Terminal: Provides for fast and easy connection of radio controls. When range is an issue, an optional external mounted radio receiver allows the flexibility for the receiver to be moved to a new location for improved range.

Optional Feature

Auxiliary Contact Board: Provides auxiliary contacts when the door is in motion and at the open and close limits. The auxiliary board provides but is not limited to the following features:

- Courtesy Light which illuminates whenever the door is activated
- Capability to tie into Horn & Strobes for ADA compliance
- Capability to tie into a Traffic Light to provide safe entering and exiting of the facility
- Ability to connect to a facilities alarm or security system

Circuit Board



- A. LCD Display
- B. On-board 3-button open/close/stop
- C. Auxiliary Board Harness

Exclusively Distributed by:



P.O. Box 448, 1101 East River Rd.
Dixon, IL 61021-0448
1-800-4-RAYNOR (472-9667)