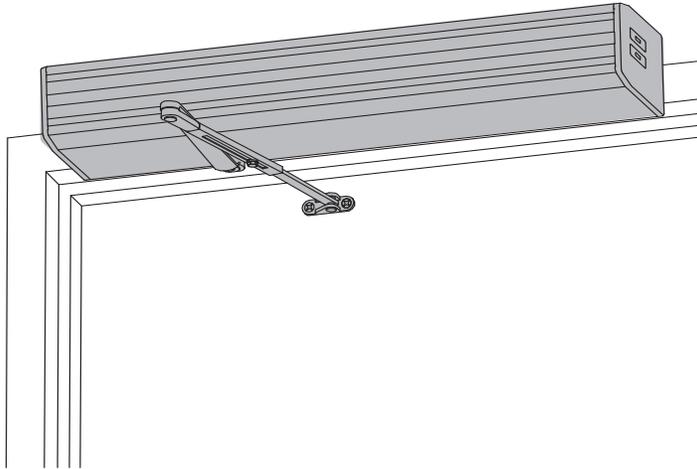


TOP JAMB (PUSH SIDE) MOUNTING



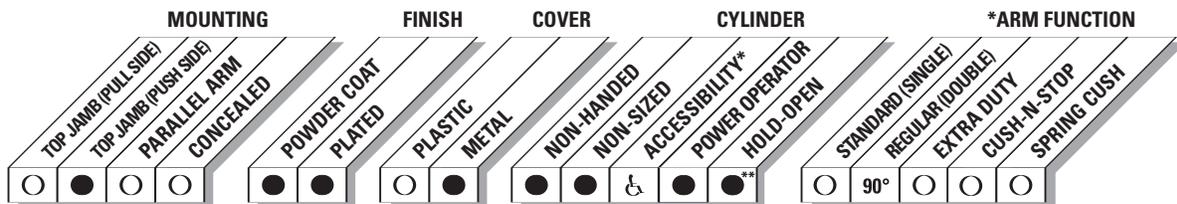
4640 shown

The 4640 AUTO EQUALIZER™ is LCN's SMART & RELIABLE electrically powered low-energy power operator. It provides easy access for people with disabilities, the elderly, or the frail. Designed primarily for manual opening applications that occasionally require automatic opening.

- ▶ Standard, top jamb (push side) mounted 4640 series closer shipped with regular arm, metal cover, and wood and machine screw pack. Actuators available separately, see pages 199-215.
- ▶ Meets ADA, requirements (power mode).
- ▶ Non-sized cylinders for interior doors to 4'6" and exterior doors to 3'6".
- ▶ Non-handed for either right or left swinging door.
- ▶ 4640 has easily accessible switches to provide on/off and continuous hold open functions. 4640CS provides concealed on/off power switch. Control module provides all timing and sequential door functions, electric strike controls and adjustments for opening speed and force.
- ▶ Standard or optional custom powder coated finish, end caps are black.
- ▶ Optional plated finish on cover, arm, and fasteners.

- ▶ **NEW Digital Control Suite**
- ▶ **Utilizes a 10,000,000 Cycle Heavy Duty Door Closer**
- ▶ **On-Board Diagnostics**
- ▶ **On-Board Power Supply**
- ▶ **Factory-Default Memory**
- ▶ **Plug-and-Play Connections**
- ▶ **No Destruct Feature**
- ▶ **No Guard Rails or Safety Mats Required**

The 4640 Series is UL and cUL listed with regular arm for self-closing doors and meets the provisions of ANSI Standards A117.1, A156.19, and the Americans with Disabilities Act.



- AVAILABLE
- NOT AVAILABLE
- ♿ Meets ADA requirements (power mode).
- * See individual series for maximum manual opening.
- ** Switch provided for continuous Hold-Open (4640 only).

LCN 4640 SERIES

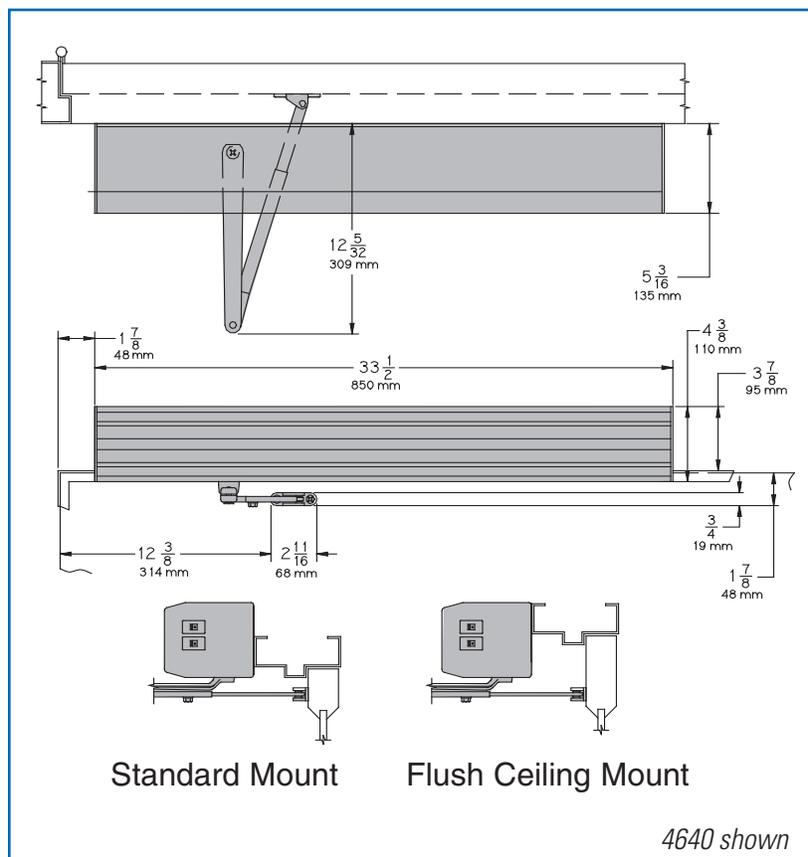
MOUNTING DETAILS

TOP JAMB (PUSH SIDE) MOUNTING

MAXIMUM OPENING

Templating allows 90° power opening and 100° manual opening.

Consult factory for all pivot mounted installations.



- ▶ **Butt Hinges** should not exceed 5" (127 mm) in width.
- ▶ **Auxiliary Stop is recommended.**
- ▶ **Reveal** of 4 1/2" (114 mm) allows up to 90° power opening and 100° manual opening. 8" (203 mm) allows up to 90° power opening and 100° manual opening with LONG ARM where standard rod and shoe is replaced with optional LONG ROD AND SHOE, 4640-79LR.
- ▶ **Head Frame** minimum 1 3/4" (44 mm). The standard mounting plate is also used to meet flush ceiling conditions.
- ▶ **Top Rail** minimum 1 3/4" (44 mm).
Flush ceiling installation requires 3 3/4" (95 mm) minimum.
- ▶ **Opening Time and Force** are variable by adjustments to the electronic control module located on the operator assembly. Maximum hold open time adjustable up to approximately five minutes.
- ▶ **System Diagram** See "AUTOMATIC OPERATORS" section page 37 for typical system wiring and pages 38-39 for electrical data.

Options

- ▶ Long arm.

Special Templates

Customized installation templates or products may be available to solve unusual applications. Contact LCN for assistance.

CYLINDERS

CYLINDER ONLY, 4642-3971

Standard, non-handed, cast iron cylinder.

CYLINDER ASSEMBLY, 4642-3071

Standard, non-handed, cast iron cylinder and mounting plate. Includes; 4640-3454 Motor Clutch, 4640-3180 I/O Board Assembly and 4640-3462 Controller.

CYLINDER ASSEMBLY, 4642-3071CS

Standard, non-handed, cast iron cylinder and mounting plate. Includes; 4640-3454 Motor Clutch, 4640-3180 I/O Board Assembly and 4640-3462 Controller. Same as a 4640-3071 assembly except on/off switch is concealed in endcap and no hold open switch is included. (separate key switches suggested)

COVERS

COVER, 4640-72MC

Standard, non-handed metal cover.

ARMS

REGULAR ARM, 4640-3077

Non-handed arm.

LONG ARM, 4640-3077L

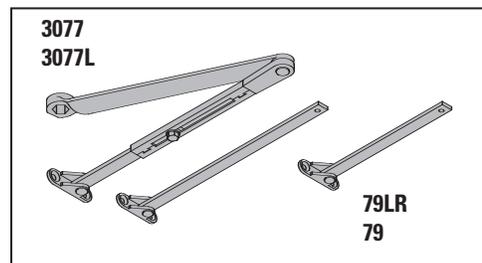
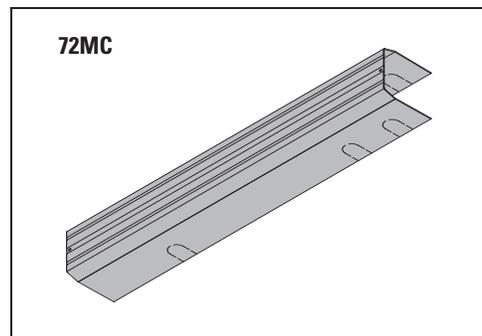
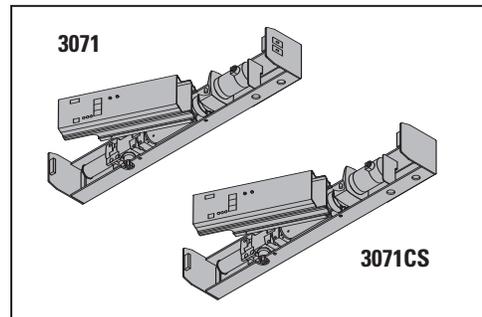
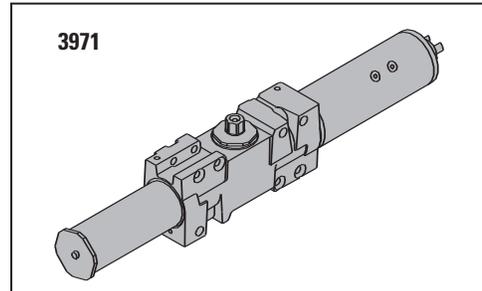
Arm includes LONG ROD AND SHOE, 4640-79LR for deep reveals.

ROD & SHOE, 9140-79

Rod for use with regular arm.

LONG ROD & SHOE, 9140-79LR

Long rod for use with long arm.

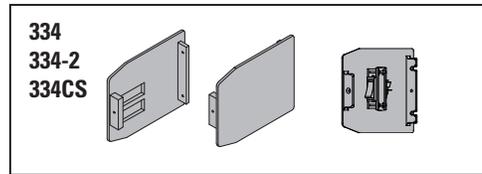


LCN 4640 SERIES

INSTALLATION ACCESSORIES

SWITCH END CAP, 4640-334

End cap (black powder coat only) with cut outs for installing on/off and hold open switches.

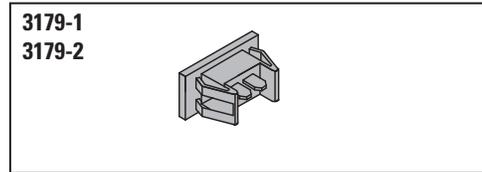


BLANK END CAP, 4640-334-2

Black powder coat only.

SWITCH END CAP, 4640-334CS

End cap and switch (black powder coat only) for concealed switch option.

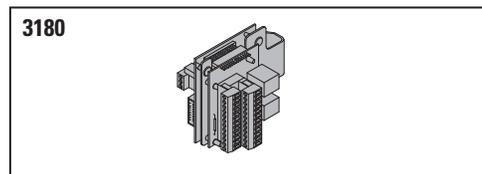


ON/OFF SWITCH ASSEMBLY, 4640-3179-1

Red rocker switch. Plugs into high voltage PC board.

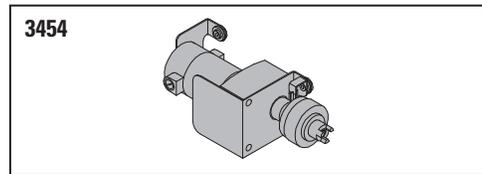
HOLD-OPEN SWITCH ASSEMBLY, 4640-3179-2

Black rocker switch. Plug into low voltage PC board.



PC BOARD ASSEMBLY, 4640-3180

High and low voltage PC boards connected to mounting bracket.

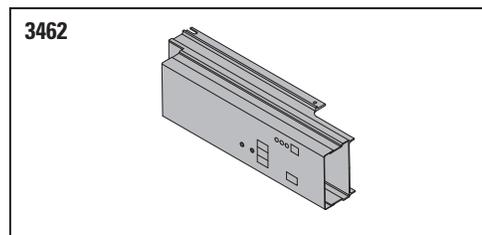


MOTOR/CLUTCH ASSEMBLY, 4640-3454

A geared assembly in an LCN power operator that incorporates a "no destruct" feature.

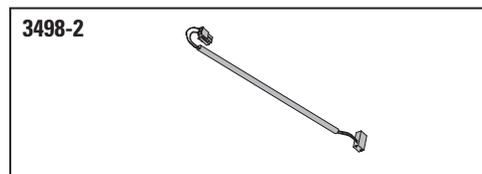
CONTROL BOX ASSEMBLY, 4640-3462

Digital controller with built-in 12/24 VDC power supply. Programming and timing functions are adjusted on controller.



AC POWER CABLE, 4640-3498-2

2 wire cable to connect 120 VAC from PC board assembly to controller.



RIBBON CABLE CONNECTOR, 4640-3498-1

16 wire ribbon cable connecting 1-24 pin terminal connectors to controller.

