The 4630 AUTO EQUALIZER™ is LCN's SMART & RELIABLE electrically powered low-energy power operator. It provides easy access for people with disabilities, or the elderly. Designed primarily for manual opening applications that occasionally required automatic opening.

- Digital Control Box.
- Utilizes a 4040 Heavy Duty Door Closer.
- On-Board Diagnostics.
- On-Board Power Supply.
- Factory-Default Memory.
- Includes “No Destruct” Drive System.
- Guard Rails or Safety Mats not required.

4630 Series is UL and cUL listed with standard arm for self-closing doors and meets the provisions of ANSI Standards A117.1, A156.19, and the Americans with Disabilities Act.

- Standard, top jamb (pull side) mounted 4630 Series closer shipped with single lever (standard) arm, metal cover, standard track, and wood and machine screw pack. Actuators available separately, see pages 122-137.
- Meets ADA requirements (power mode).
- Non-sized cylinders for interior doors to 4’0” and exterior doors to 3’0”.
- Non-handed for either right or left swinging door.
- 4630 has easily accessible switches to provide on/off and continuous hold open functions. 4630 with CS option 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.

---

**AVAILABLE**

- Meets ADA requirements (power mode).
- * See individual series for maximum manual opening.
- ** Switch provided for continuous hold open (4630 only).
TOP JAMB (PULL SIDE) MOUNTING

MAXIMUM OPENING
Templating allows 90° power opening and 170° manual opening.

Please note that many track style door closers are capable of allowing 180° of door swing. Track style closers are at their weakest closing force at 180°. Consult factory for applications where exterior or large/heavy door must swing 180°.

Consult factory for all pivot mounted installations.

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

- Butt Hinges should not exceed 5" (127 mm) in width.
- Auxiliary Stop is recommended.
- Reveal should not exceed 1/8" (3 mm).
- Head Frame minimum 2" (51 mm).
- Top Rail minimum 1-1/8" (29 mm).
- 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 pages 36 for typical system wiring and pages 37-38 for electrical data.
**4630 SERIES**

**CYLINDERS**

**CYLINDER ONLY, 4631-3971**
Standard, non-handed, cast iron cylinder.

**CYLINDER ASSEMBLY, 4631-3071**
Standard, non-handed, cast iron cylinder and mounting plate.
Includes: 4630-3454 Motor Clutch, 4630-3180 I/O Board Assembly and 4630-3462 Controller.

**CYLINDER ASSEMBLY, 4631-3071CS**
Standard, non-handed, cast iron cylinder and mounting plate.
Includes: 4630-3454 Motor Clutch, 4630-3180 I/O Board Assembly and 4630-3462 Controller. Same as a 4630-3071 assembly except on/off switch is concealed in endcap and no hold open switch is included. (Separate key switches suggested).

**COVERS**

**COVER, 4630-72MC**
Standard, non-handed metal cover.

**TRACKS**

**STANDARD TRACK, 4630-3038**
Standard non-handed track.
Will not accept hold open clip or bumper assembly.

**ARMS**

**STANDARD ARM, 4630-3077T**
Non-handed arm.
Track roller not included with arm.

**INSTALLATION ACCESSORIES**

**TRACK ROLLER, 4630-3034**
Quiet low friction roller assembly.
Shoulder dimension "X" = 1/8" (3mm).
4630 SERIES

INSTALLATION ACCESSORIES

SWITCH END CAP, 4630-334
End cap (black powder coat finish only) with cut outs for installing on/off and hold open switches.

BLANK END CAP, 4630-334-2
Black powder coat only.

SWITCH END CAP, 4630-334CS
End cap and switch (black powder coat only) for concealed switch option.

ON/OFF SWITCH ASSEMBLY, 4630-3179-1
Black rocker switch. Plugs into high voltage PC board.

HOLD OPEN SWITCH ASSEMBLY, 4630-3179-2
Black rocker switch. Field wired to low voltage PC board.

PC BOARD ASSEMBLY, 4630-3180
High and low voltage PC boards connected to mounting bracket.

MOTOR/CLUTCH ASSEMBLY, 4630-3454
A geared assembly in an LCN power operator that incorporates a “no destruct” feature.

CONTROL BOX ASSEMBLY, 4630-3462
Digital controller with built-in 12/24 VDC power supply. Programming and timing functions are adjusted on controller.

AC POWER CABLE, 4630-3498-2
2 wire cable to connect 120 VAC from PC board assembly to controller.

RIBBON CABLE CONNECTOR, 4630-3498-1
16 wire ribbon cable connecting 1-24 pin terminal connectors to controller.
TABLE OF SIZES
Non-Sized 4630 series cylinder is adjustable from size 1 through size 4 and is shipped set to size 3. Closing power of 4630 Series closers may be increased 50%.

EXTERIOR (and VESTIBULE) DOOR WIDTH

<table>
<thead>
<tr>
<th>36&quot;</th>
<th>914mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>4631</td>
<td></td>
</tr>
<tr>
<td>Minimum Door Width</td>
<td></td>
</tr>
</tbody>
</table>

INTERIOR DOOR WIDTH

<table>
<thead>
<tr>
<th>36&quot;</th>
<th>38&quot;</th>
<th>48&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>914mm</td>
<td>965mm</td>
<td>1219mm</td>
</tr>
<tr>
<td>4631</td>
<td>size 2</td>
<td>size 3</td>
</tr>
<tr>
<td>Minimum Door Width</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Indicates recommended range of door width for closer size.

NOTE: Minimum door width 36" (914 mm).

HOW-TO-ORDER
4630 SERIES CLOSERS

1. SPECIFY FINISH
   • Standard Powder Coat ________
     Aluminum, Dark Bronze, Statuary, Light Bronze, Black, Brass.

   Closer will be shipped with:
   - STANDARD CYLINDER,
   - STANDARD METAL COVER,
   - STANDARD ARM,
   - TRACK ROLLER,
   - STANDARD TRACK,
   - WOOD and MACHINE SCREW PACK,
   unless options listed below are selected.

CLOSER OPTIONS

CYLINDER ASSEMBLY
   • CS (concealed on/off switch)
     (separate key switches suggested)

FINISH
   • Custom Powder Coat (RAL) ________
   • Plated Finish, US __________________

SCREW PACK
   • TB*, Wood & Machine Screw (TBWMS)
   • TORX Machine Screw (TORX)
   • TB* & TORX Machine Screw (TBTRX)
     *Specify door thickness if other than 1-3/4".

SPECIAL TEMPLATE
   • ST-_______