



LCN's Electrohydraulic Automatic Operators User Manual

[Home](#) » [Allegion](#) » LCN's Electrohydraulic Automatic Operators User Manual 



Contents

- [1 Electrohydraulic automatic operators](#)
 - [1.1 Overview](#)
 - [1.2 Features and benefits](#)
 - [1.3 Sample common applications](#)
 - [1.3.1 Exterior retail entrance](#)
 - [1.3.2 Church/library entrance](#)
 - [1.4 About Allegion](#)
 - [1.5 Related Posts](#)

Electrohydraulic automatic operators





Overview

LCN's electrohydraulic automatic operators integrate the 4000 Series mechanical closer to provide a smooth and easy manual opening experience for preliminary manual use applications. When activated, the door works as a fully functional low energy automatic operator to increase accessibility.

The low energy electric Auto Equalizer 4600 Series utilizes LCN's 4040XP mechanical closer to increase product life when the door is primarily used manually. When activated, a motor/clutch system drives the manual closer to automatically open the door.

The low energy pneumatic Auto Equalizer 4800/2600 Series provides quiet, smooth and reliable door operation and allows for use in hazardous locations where electronically operated devices are not permitted.

Features and benefits

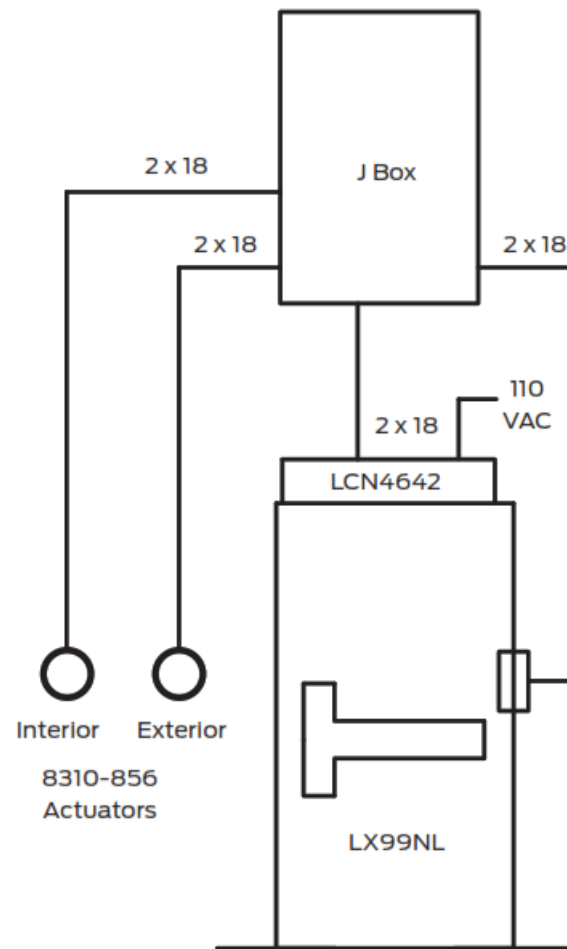
- § UL Listed for self-closing doors without hold-open under "Swinging door closers"
- § Tested and certified under ANSI Standard A156.19
- § ANSI Standard A117.1
- § Electric Auto Equalizer has a no-destruct feature that allows clutch to slip when abused to reduce damage to the operator
- § Digital control suite in electric Auto Equalizer has on-board diagnostics to ensure easy, trouble-free installation
- § Pneumatic Auto Equalizer has easily adjustable air pressure and timing cycle to meet the needs of a specific installation
- § Pneumatic Auto Equalizer is available in four different mounting configurations

Features	4600 Series	4800/2600 Series
Handed	No	No; Yes (2610)
Mounting options	Push (4640) Pull (4630)	Push (4820) Pull (4810) Parallel arm (4840) Concealed (2610)
On board power supply	Yes	No
Digital control box	Yes	No
Header length	33 ½"	20"
Maintains memory after power loss	Yes	Yes
Adjustable manual open face	Yes	Yes
Blow open capability	No	Yes
Meets UL requirements	UL/cUL 325 and 228	UL 228

All electrohydraulic operators are available in seven standard or 150+ custom powder coated finishes.

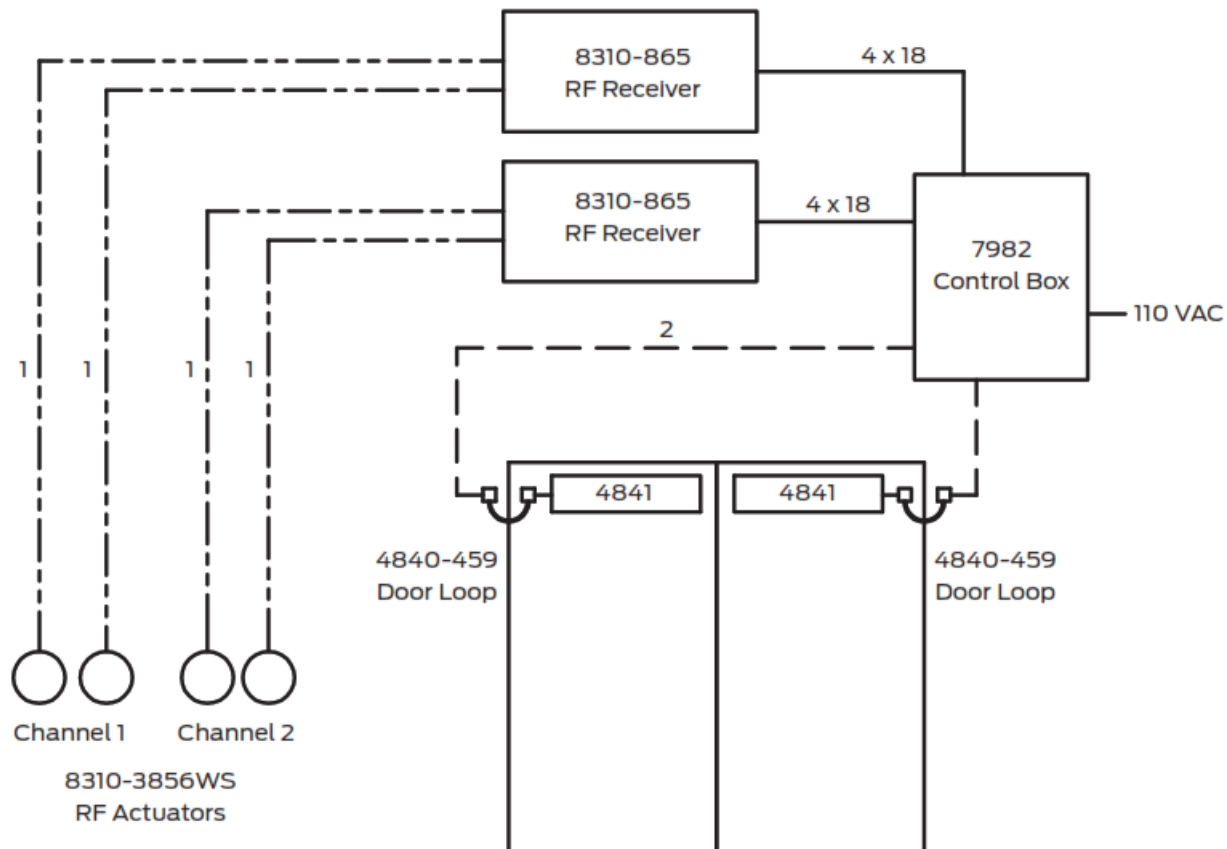
Sample common applications

Exterior retail entrance



Operation: When the panic device is mechanically dogged both interior and exterior actuators will be enabled through LX switch. When device is undogged actuators will not function.

Church/library entrance



Operation: Doors normally closed, not latched.
Two 8310-3856WS actuators to independently signal each door to swing.

- 1 Dashed/dotted lines indicate RF signal, not a wiring connection.
- 2 Dashed lines indicate pneumatic 925 tubing.

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About Allegion

Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a \$2 billion company, with products sold in almost 130 countries. For more, visit www.allegion.com.



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