

9150 Series



The 9150 Benchmark by LCN is an electrically powered low-energy operator. It provides easy access for people with disabilities, or the elderly. Designed primarily for automatic opening applications that occasionally require manual opening. The Benchmark is a cost-effective solution for retrofitting an activated or manual door.

Features

Certifications	Grade 1 - ANSI A156.19, UL325/228, ADA, 100 Hour Salt Spray, Meets BAA - Buy American Act
Handing	Non-handed
Templating	Peel-n-Stick templates - 2 3/8" x 6 3/4" mounting hole pattern
Door width	<ul style="list-style-type: none"> ▪ Minimum door width 52" - 96" ▪ 72" door width only for full length double operator
Warranty	2 years

Cover	Metal Cover (MC)
Fasteners	Wood and Machine Screws (WMS)
Mounting	Pair of doors, surface mount, offset pivot/butt hinges (push side)
Arms	Regular Arm (REGARM)
Finishes/colors/powder coat	<ul style="list-style-type: none"> ▪ 628 Aluminum, Anodized ▪ 710 Dark Brown, Anodized

Special templates

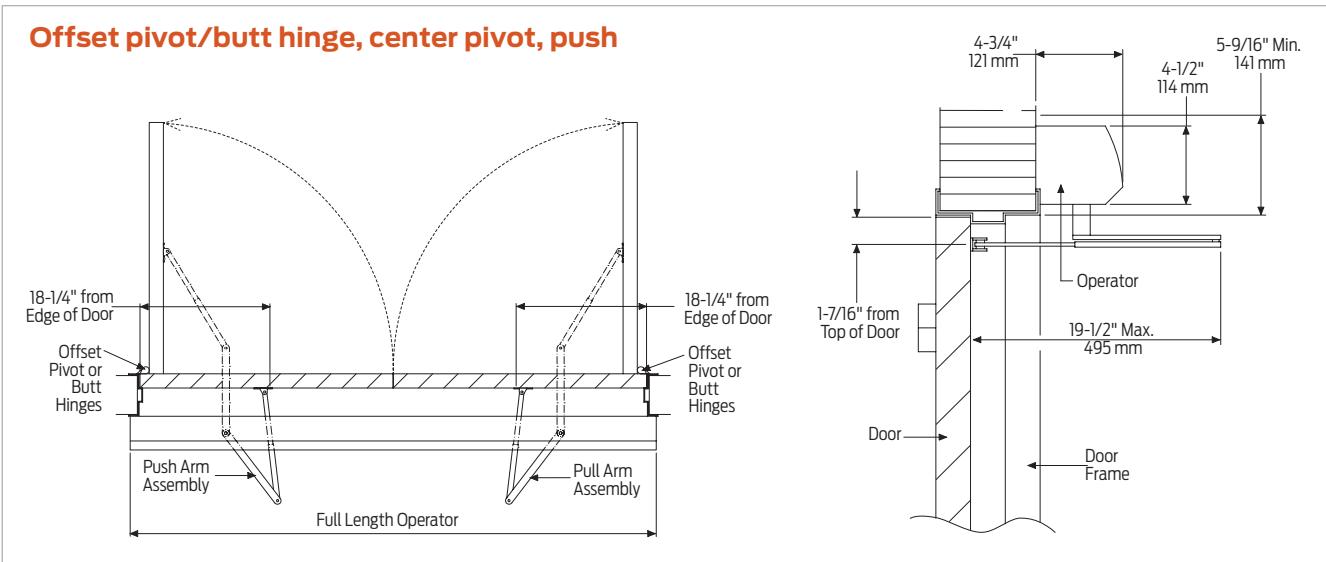
Customized installation templates or products may be available to solve non-standard applications. Contact LCN Product Support for assistance.

Mounting	Handing	Finish	Cover	Arm function
Surface mount single door	Handed	Standard (single lever)	Metal	Offset pivot arm
Surface mount simultaneous pair	Non-handed	Regular (double lever)		Center pivot arm
Surface mount independent pair		Double egress (push/pull)		
Concealed single door				
Concealed simultaneous pair				
Concealed independent pair				

■ Available
■ Not available

Mounting details

Top jamb, independent/simultaneous pair mounting



Butt hinges	Should not exceed 5" (127 mm) in width
Reveal	Push installations should not exceed 6" (152 mm) for regular arm and 9 3/4" (248 mm) for long arm
Top rail	<ul style="list-style-type: none"> ▪ Minimum 2" (51 mm) ▪ Flush ceiling installation requires 5 1/4" (133 mm) minimum
Head frame	Minimum 2" (51 mm)
Opening and closing time	<ul style="list-style-type: none"> ▪ Variable by adjustments to the electronic control module located on the operator assembly ▪ Maximum hold open time adjustable up to approximately 32 seconds
System diagram	See pages 45 for typical system wiring and page 44 for electrical data
Maximum opening	Template allows 90 degree power opening and 90 degree manual opening

Notes:

- Determined by wiring
- Push N' Go permits non-switch activation with a microprocessor control box that ensures reliability and maintains customer settings
- Power boost allows for increased closing force near latch
- All potentiometers clearly labeled with their functions
- LED lights indicate power to control box and motor gearbox

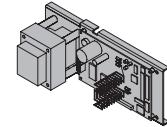
Accessories

Motor gearbox

9150-3454S
Standard Motor Gearbox (MGB)

- Driving mechanism for operator (switch included)

Control box

9150-3462
Standard Controller (120 volts) (CTRL)

- Electronic controlling device with power supply output and power boost feature

Arm

9150-3077
Regular Arm (REGARM)

- Non-handed

9150-3077L
Long Arm (LONG)

- Non-handed

9150-79
Rod and shoe

- For use with regular arm

9150-79LR
Long rod and shoe

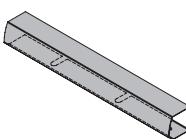
- Used with long arm, for deep reveals

Brackets

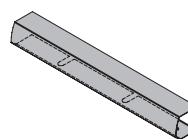
9150-3018
Mounting Bracket

- Standard

Covers

9150-72MC
Standard 72" Metal Cover (MC72)

- Non-handed
- 72"
- Extruded aluminum cover
- Standard

9150-163
Cover Insert

- Used to cover operator shaft opening (includes 2 pieces)

9150-163-1
Cover End Cap Insert

- Used to cover switch hole opening

9150-334
Cover End Cap

- Black plastic
- Includes 9130-163-1 cover and cap insert

Ordering information

How-to-order 9150 Series operators

1. Select finish

Standard anodized finish _____
 Aluminum, Clear Anodized (628) or
 Dark Brown, Anodized (710).

Operator will be shipped with:

- Standard motor gearbox (2 ea)
- Standard control box (2 ea)
- Mounting bracket (2 ea)
- 27" metal cover
- Standard arm (2 ea)
- Wood and machine screws
(unless options listed below are selected)

Operator options

Arm

Long Arm (LONG) (reveals 6" to 9 3/4")

Table of sizes

Notes: For 9150 Benchmark series. 72" door width only for full length push double door operator.