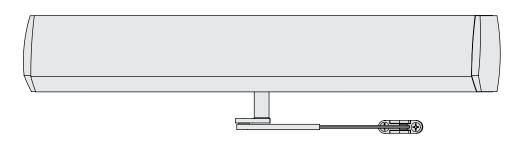
Features



The 9140 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.

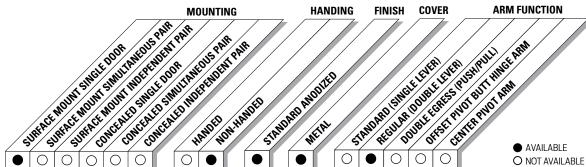
Certifications	Grade 1 - ANSI A156.19, UL325/228, ADA, 100 Hour Salt Spray, Meets BAA - Buy American Act
Handing	Non-Handed
Door Width	 26"-48" 26" minimum door width for 27" 36" door width only for full length pull operator
Warranty	2 years

Special

Fasteners	Wood and machine screws
Mounting	Single interior door, surface mount, offset pivot / butt hinge (Push Side)
Arms	Regular arm
Finishes/Colors/ Powder Coat	Anodized aluminum, standardDark bronze, optional

Contact LCN Product Support for assistance. **Templates** COVER **ARM FUNCTION HANDING FINISH** MOUNTING

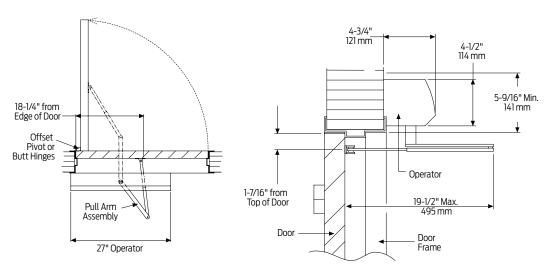
Customized installation templates or products may be available to solve unusual applications.



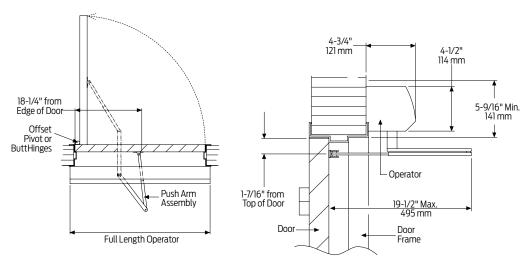
9140 Series *Benchmark*

Mounting details

Top Jamb Single Door Mounting



Offset/butt hinge, center pivot, push, standard cover



Offset/butt hinge, center pivot, push, full cover

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	
Head Frame	Minimum 2" (51 mm)	
Top Rail	 Minimum 2" (51 mm) Flush ceiling installation requires 5-1/4" (133 mm) minimum 	
Opening and Closing Time	 Variable by adjustments to the electronic control module located on the operator assembly Maximum hold open time adjustable up to approximately 30 seconds 	
System Diagram	See "AUTOMATIC OPERATORS" section pages 54 for typical system wiring and page 55 for electrical data	
Maximum Opening	Template allows 90 degree power opening and 90 degree manual opening	

Notes:

- · 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
- On/off switch is included as standard
- · All potentiometers are clearly labeled with their functions
- · LED lights indicate power to control box and motor gearbox



Motor Gearbox



9140-3454S Motor Gearbox Assembly

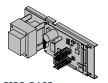
- Driving mechanism for operator (switch included)
- For 27" unit



9140-3454 Motor Gearbox Assembly (W/O Switch)

- Driving mechanism for operator (switch not included)
- For full length unit (36")

Control Box



9130-3462 Control Box (120v)

 Electronic controlling device with power supply output and power boost feature for Benchmark

Brackets



9140-3018 Mounting bracket

Standard



9140-3351-1 Switch Bracket

- 29" cable
- Used with a 36" door
- Used to locate switch at end of cover on full length unit

Covers



Metal Cover

- Non-handed
- **27**″
- Extruded aluminum cover
- Standard



Full Metal Cover

- Non-handed
- **36**"
- Extruded aluminum cover





9140-163 Cover Insert

Used to cover operator shaft opening (includes 2 pieces)



9140-163-1 Cover End Cap Insert

 Used to cover switch hole opening



9140-334 Cover End Cap

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

9140 Series *Benchmark*

Accessories

Arms



9140-3077 Regular arm

Non-handed



9140-3077L Long push arm

Non-handed



9140-79 Rod and shoe

For use with regular arm



9140-79LR Long rod and shoe

Used with long arm, for deep reveals

9140 Series Benchmark

Ordering Information

How-to-order 9140 Series closers

Specify Finish

☐ Standard Anodized Finish ______ Aluminum or Dark Bronze

Operator options

Cover

□36″ Full Cover

Arm

□ Long Arm (3077L) (reveals 6" to 9-3/4")

Operator will be shipped with:

- Standard motor gearbox
- Standard control box
- Mounting bracket
- 27" metal cover
- Standard arm (3077)
- Standard track w/track roller
- Wood and machine screw pack unless options listed below are selected

Table of sizes

Door width



Indicates recommended range of door width for operator.

NOTE: For All Benchmark Series.

30" minimum door width for 27" pull operator.

36" door width only for full length pull operator.