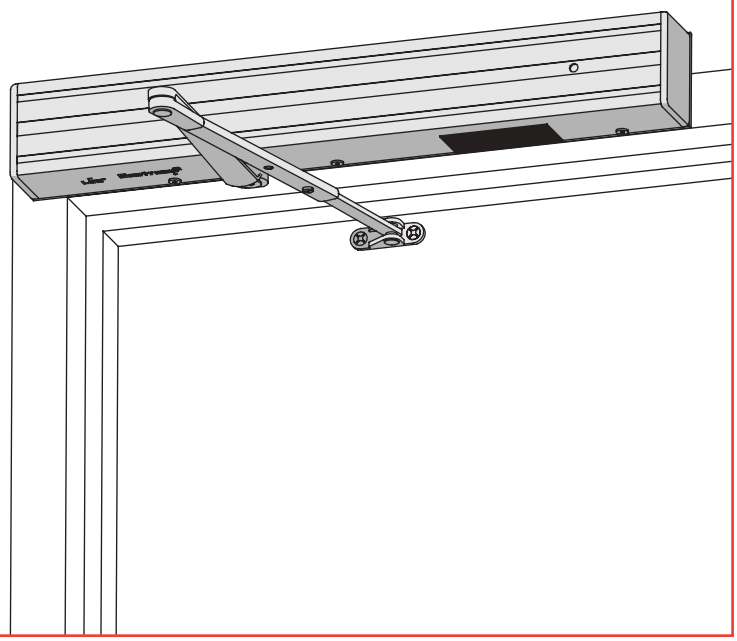
FEATURES

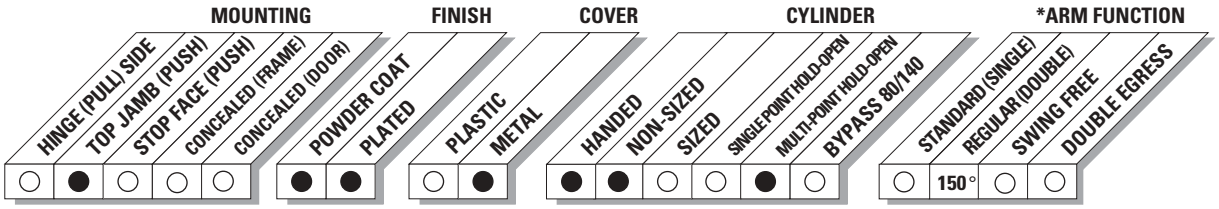
TOP JAMB (PUSH SIDE) MOUNTING



The 4410HSA SENTRONIC® is an electrically controlled closer/holder designed to provide easy passage for groups of pedestrians through high traffic doors. Pedestrians, moving through the doorway, trigger the built-in scanner. When the door is opened to 80° or more, the door is electrically held open to minimize wear and tear on applied door hardware. After the last pedestrian in a group passes through the doorway, the system timer releases the hold-open, closing the door under control of the heavy duty closer. Double lever arm closer is specifically designed for push side mounting. Choice of finishes and accessories meet virtually all high traffic installation requirements.

Tested and certified under ANSI Standard A156.4 and A156.15. Conforms to life safety code, NFPA 101.

- Standard 4410HSA series closer shipped with a 24V cylinder, standard cover, regular arm and wood & machine screw pack. See 4410HSA Series page 39 for options.
- HSA features a scanner activated hold-open function.
- Hold-open period is adjustable up to 30 seconds.
- Non-sized cylinders for interior doors to 4'6" or exterior doors to 3'6".
- Functions as full rack and pinion door closer when current is interrupted or continuous hold-open is not engaged .
- Handed for right or left swinging door.
- Concealed or surface wiring. 24V AC/DC input only. 120V AC input requires 4040SE-3210 transformer.
- Built-in "On/Off" switch provides continuous hold-open function.
- Standard or optional custom powder coated finish.
- Optional plated finish on cover, arm and fasteners.



● *Available*
○ *Not available*

* *Maximum hold-open with standard template. See individual closer series for degrees of opening and hold-open per installation.*

LCN CLOSERS
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LCN 4410HSA SERIES

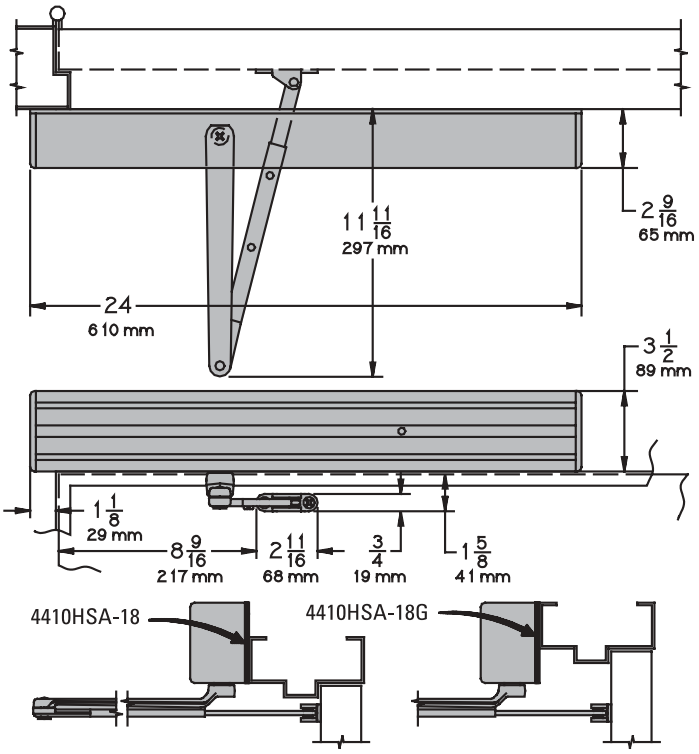
TOP JAMB (PUSH SIDE) MOUNTING

MAXIMUM OPENING

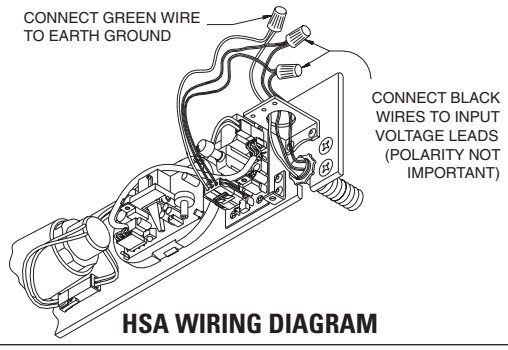
Templating allows 160°.

Infinite hold-open points from 80° up to 150°.

Optional long arm allows 180°, hold-open points up to 170°.



- **Butt Hinges** should not exceed 4 1/2" (114 mm) in width.
- **Top Rail** 1 3/4" (44 mm) minimum.
  3 3/4" (95 mm) minimum with flush ceiling.
- **Head Frame** requires 1 1/2" (38mm) minimum.
  2" (51 mm) minimum with flush ceiling.
- **Reveal** 3 7/8" (98 mm) maximum for regular or long arm. For reveals greater than 3 7/8" consult factory.
- **Wiring Diagram**



HSA WIRING DIAGRAM

Options

- Optional long arm allows 180° with hold-open points up to 170°.
- Optional –18G plate accommodates flush ceiling conditions.
- 120 volt input requires 4040SE–3210 transformer to change 120V AC to 24V AC.

Special Templates

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

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CYLINDERS

HSA CYLINDER, 4412HSA-3971

Standard, handed cast iron cylinder assembly.

24V AC/DC input only for holding solenoid.

HSA CYLINDER, 4412HSA-3071

Standard, handed cylinder and mounting plate assembly.

Includes scanner module and system timer module.

"On/Off" switch assembly provides continuous hold-open function.

24V AC/DC input only for holding solenoid and electronics modules.

COVERS

COVER, 4410HSA-72MC

Handed, metal cover.

ARMS

REGULAR ARM, 4410HSA-3077

Non-handed arm.

3 7/8" (98 mm) maximum reveal.

LONG ARM, 4410HSA-3077L

Optional arm for increased opening. 3 7/8" (98 mm) maximum reveal.

SWITCH

SWITCH, 4410HSA-3448

"On/Off" switch assembly provides continuous hold-open function.

SCANNER

SCANNER MODULE, 4410HSA-3428

INSTALLATION ACCESSORIES

MOUNTING PLATE, 4410HSA–18

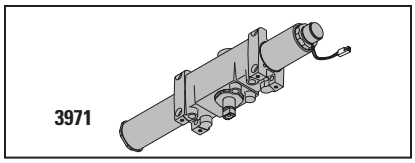
Standard mounting plate.

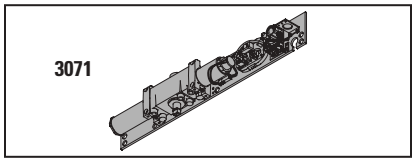
MOUNTING PLATE, 4410HSA–18G

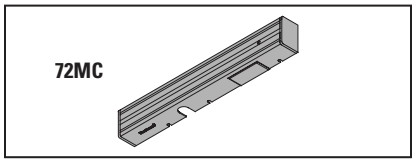
Optional mounting plate substituted on flush ceiling installations.

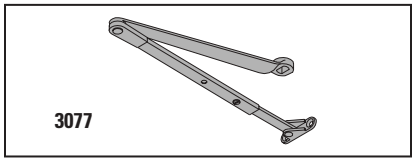
TRANSFORMER, 4040SE-3210

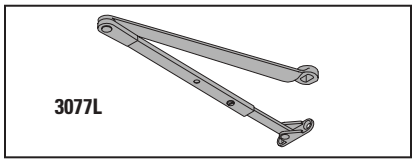
Reduces line voltage from 120V to 24V AC. Mounted on cover plate 4" (102mm) x 4" x 2 1/8" (54mm) junction box (by others).

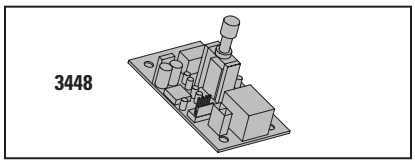


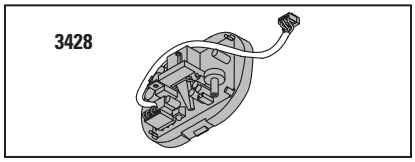


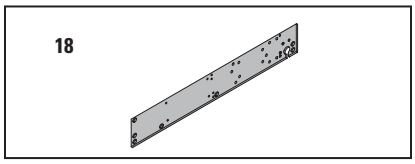


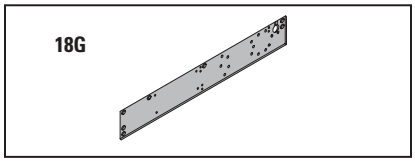


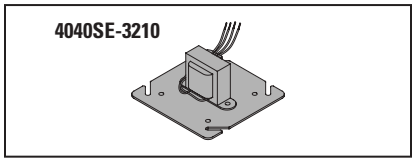












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LCN 4410HSA SERIES

ORDERING INFORMATION

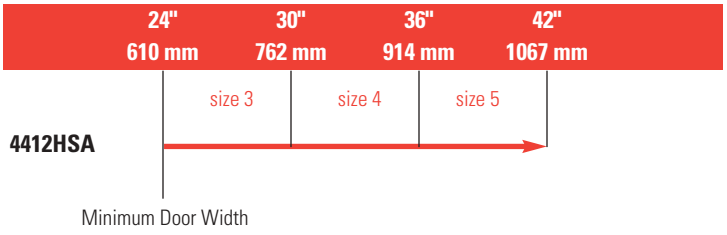
TABLE OF SIZES

Select closer based on width of door.

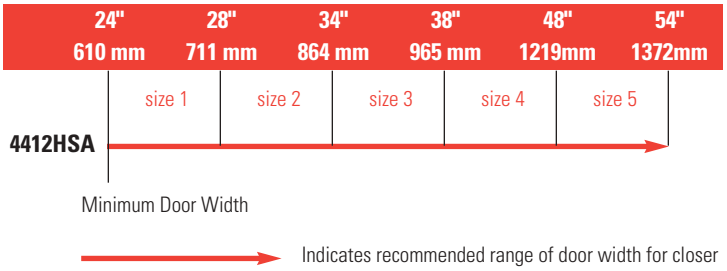
Non-sized 4410HSA series cylinders adjustable from size 1 through size 5 and are shipped set to size 3.

Closing power of 4410HSA Series closers may be increased 50%.

EXTERIOR DOOR WIDTH



INTERIOR DOOR WIDTH



HOW-TO-ORDER 4410HSA SERIES CLOSERS

1. SPECIFY HAND.

☐ RH

☐ LH

2. INPUT VOLTAGE

☐ 24V AC/DC

3. SPECIFY FINISH.

☐ Standard Powder Coat _____
Aluminum, Dark Bronze , Tan, Statuary, Light Bronze, Black, Brass.

Closer will be shipped with:

- *24V AC/DC HSA CYLINDER,*
- *METAL COVER,*
- *REGULAR ARM*
- *WOOD & MACHINE SCREW PACK,*

unless options listed below are selected.

CLOSER OPTIONS

ARM

☐ Long Arm (LONG)

FINISHES

☐ 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".

INSTALLATION ACCESSORIES

☐ Plate, 4410HSA–18G
(substituted for standard mounting plate)

☐ Transformer, 4040SE-3210

SPECIAL TEMPLATE

☐ ST- _____ (if required)

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