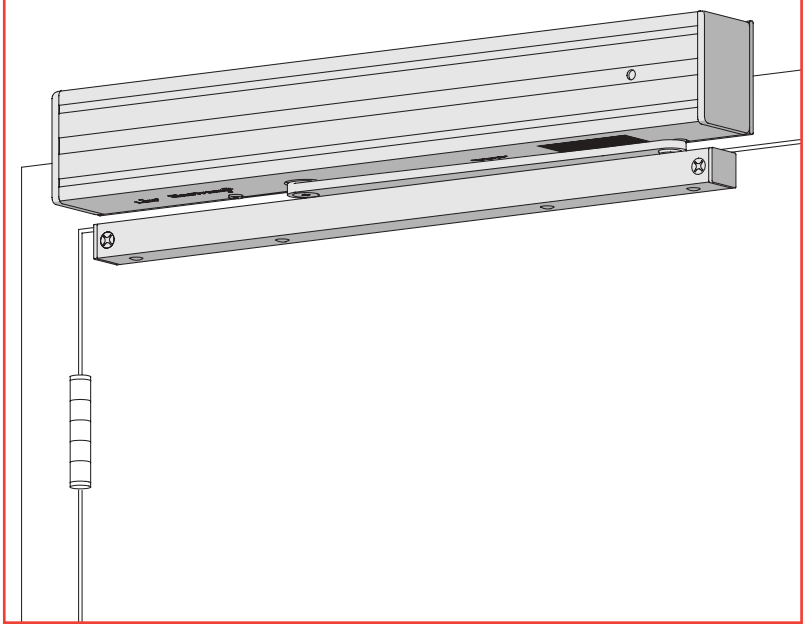
FEATURES

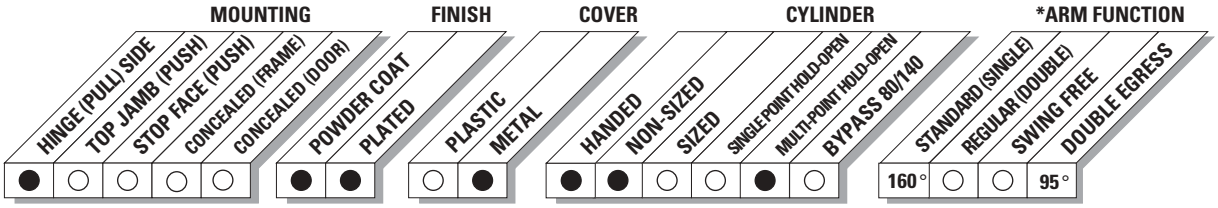
HINGE (PULL) SIDE MOUNTING



The 4310HSA 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. Single lever (track) arm closer is specifically designed for pull 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 4310HSA series closer shipped with a 24V cylinder, standard cover, standard arm, non-handed track and wood & machine screw pack. See 4310HSA Series page 35 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 4'0" or exterior doors to 3'0".
- 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.*

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LCN 4310HSA SERIES

MOUNTING DETAILS

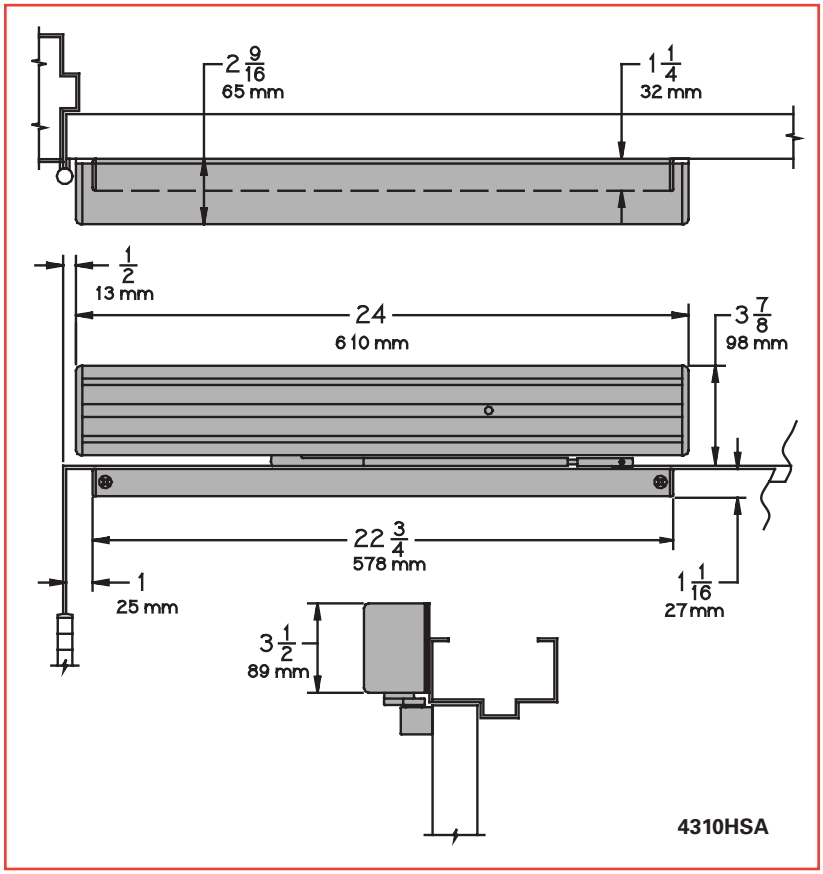
HINGE (PULL) SIDE MOUNTING

MAXIMUM OPENING

Templating allows 180°.

Optional double egress arm limited to 95°.

Infinite hold-open points from 80° up to 160°.



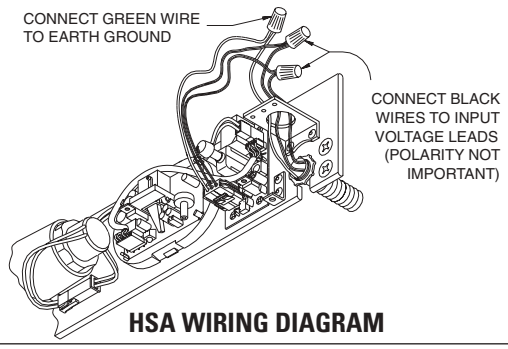
- **Butt Hinges** should not exceed 4 1/2" (114 mm) in width.
- **Top Rail** 1 1/16" (27 mm) minimum.
- **Reveal** should not exceed 1/8" (3 mm) for standard arm. Should not exceed 2 11/16" (68 mm) for double egress arm.
- **Head Frame** requires 2" (51 mm) minimum.
- **Clearance** of 1 1/4" (32 mm) behind door required for installation.
- **Wiring Diagram**

Options

- Double egress arm.
- 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.



HSA WIRING DIAGRAM

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CYLINDERS

HSA CYLINDER, 4311HSA-3971

Standard, handed cast iron cylinder assembly.

24V AC/DC input only for holding solenoid.

HSA CYLINDER, 4311HSA-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

METAL COVER, 4310HSA-72MC

Handed, metal cover.

ARMS

STANDARD ARM, 4310HSA-3077T

Handed arm.

DOUBLE EGRESS ARM, 4310HSA-3077DE

Optional, handed arm for double egress doors and frames.

2 11/16" (67 mm) maximum reveal.

TRACK

TRACK, 4310HSA-3038

Standard, non-handed track.

SWITCH

SWITCH, 4310HSA-3448

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

SCANNER

SCANNER MODULE, 4310HSA-3428

INSTALLATION ACCESSORIES

TRACK ROLLER, 4310HSA-3034

Quiet, low friction roller assembly.

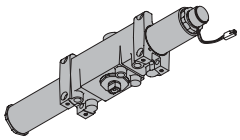
Shoulder dimension "X" = 1/8" (3 mm).

TRANSFORMER, 4040SE-3210

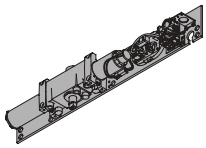
Reduces line voltage from 120V to 24V AC.

Mounted on cover plate 4" (102mm) x 4" x 2 1/8" (54mm) junction box (by others).

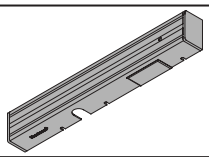
3971



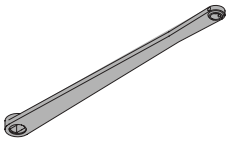
3071



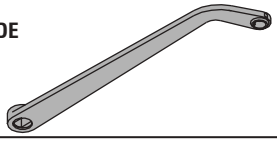
72MC



3077T



3077DE



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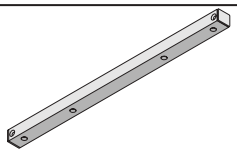

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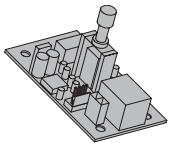
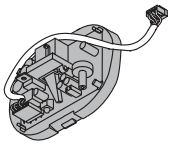


3428



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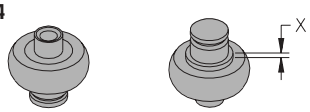
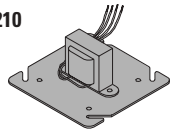


4040SE-3210



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LCN 4310HSA SERIES

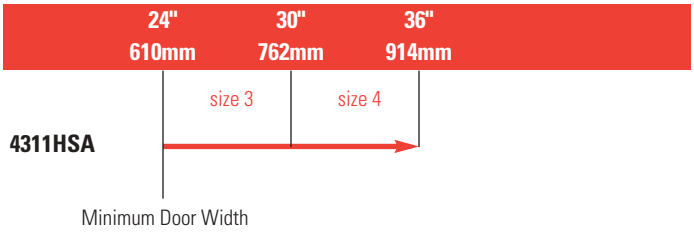
ORDERING INFORMATION

TABLE OF SIZES

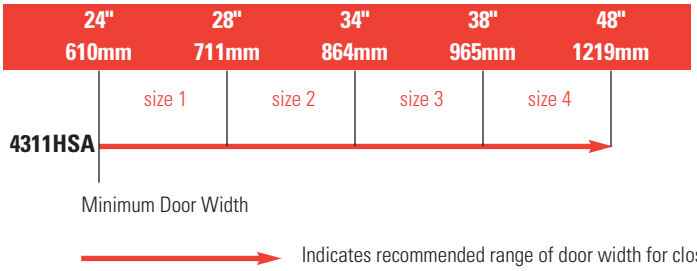
Non-sized 4310HSA series cylinders adjustable from size 1 through size 4 and shipped set to size 3.

Closing power of 4310HSA Series closers may be increased 50%.

EXTERIOR DOOR WIDTH



INTERIOR DOOR WIDTH



Indicates recommended range of door width for closer

HOW-TO-ORDER 4310HSA SERIES CLOSERS

1. SPECIFY HAND.

☐ RH

☐ LH

2. 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,*
- *STANDARD ARM*
- *STANDARD TRACK,*
- *TRACK ROLLER,*
- *WOOD & MACHINE SCREW PACK,*

unless options listed below are selected.

CLOSER OPTIONS

ARM

☐ Double Egress (DE)

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

☐ Transformer, 4040SE-3210

SPECIAL TEMPLATE

☐ ST- _____ (if required)

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