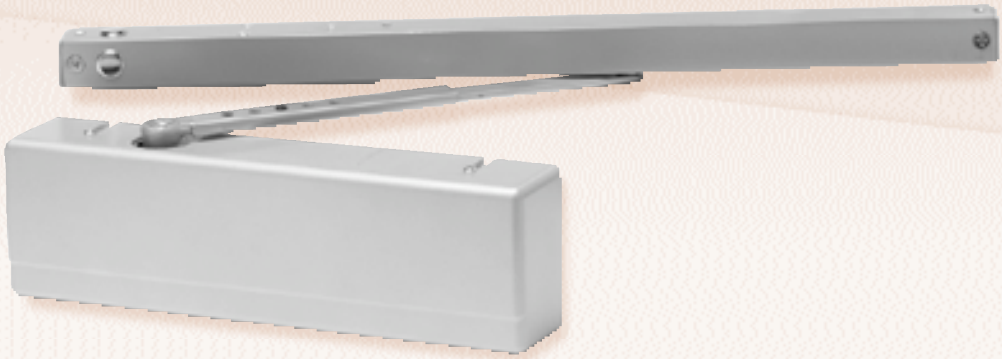
SARGENT®

351 EHT/EHTD
Electromechanical Closer-Holder Release Devices



An ASSA ABLOY Group company

ASSA ABLOY

351 EHT/EHTD
Electromechanical Closer-Holder Release Devices

SARGENT
1-800-727-5477
www.sargentlock.com

The EHT Series of Electromechanical Closer-Holder Release Devices is designed to hold open fire rated doors until power is interrupted by a fire alarm condition or remote release switch. With it's rugged track design, the 351 EHT is suitable for multiple manual operations. It is also applicable for non-rated doors such as offices or conference rooms, where the convenience of an electrically controlled closer-holder device may be desirable.

Designed for easy installation in Pull, Push and Double Egress applications, the non-handed track, closer body and dual voltage input makes it easy to specify and install. Common applications are cross corridor and stairwell doors. An auxiliary door stop is required at hold open point.

The EHT includes an ANSI/BHMA A156.4 Grade 1 hydraulic door closer and operates as one during the opening and closing cycles.

Table of Contents — Page

Features	
Applications	1
Mounting Details	2
Electrical Components	3
Arms and Components	4
Architectural Specifications and How to Order	5

Features

- Exceeds ANSI/BHMA A156.15 requirements for manual/forced release from hold open
- Ideal for facilities with existing fire detection systems
- Conforms to standards UL 10C and UBC 7-2 (1997), Positive Pressure Fire Tests of door assemblies
- UL Listed and cUL Listed to Canadian Safety Standards listed for use on fire doors
- Available in 5 finishes
- Holder
  - Fail Safe operation
  - Single point hold open adjustable from 85° to 110°
  - Adjustable holding force for easy pull or push out of hold open
  - Push, pull or double egress installations
  - Thin track design fits on 1-5/8" (41mm) frame (pull side application)
  - One piece aluminum track
  - For interior doors up to 48" (1219mm) wide
  - Non-handed track prepared for both concealed and surface wiring
  - Dual voltage: 24 VDC or VAC @ .1 Amp.
  - Terminal strip for ease of wiring
  - Maintained on/off switch
  - Self-resetting fuse on circuit boards
  - 2 year limited warranty on electromechanical track assembly
- Closer
  - SARGENT 351 ANSI/BHMA A156.4 Grade 1 Closer
  - Body is cast, one piece high strength aluminum/silicon alloy
  - 1-1/2" (38mm) piston
  - Full size 1/8" (3mm) brass adjusting valves
  - Adjustable spring power
  - Adjustable door speed valve
  - Adjustable latch speed valve
  - Adjustable backcheck valve (Auxiliary door stop required)
  - Optional delayed action valve
  - Machine and wood screws provided for 1-3/4" (44mm) thick doors
  - High impact, non-handed, non-corrosive cover
  - Optional non-handed metal cover
  - Cover projection 2-3/16" (56mm)
  - 10 year limited warranty on closer body

On The Cover

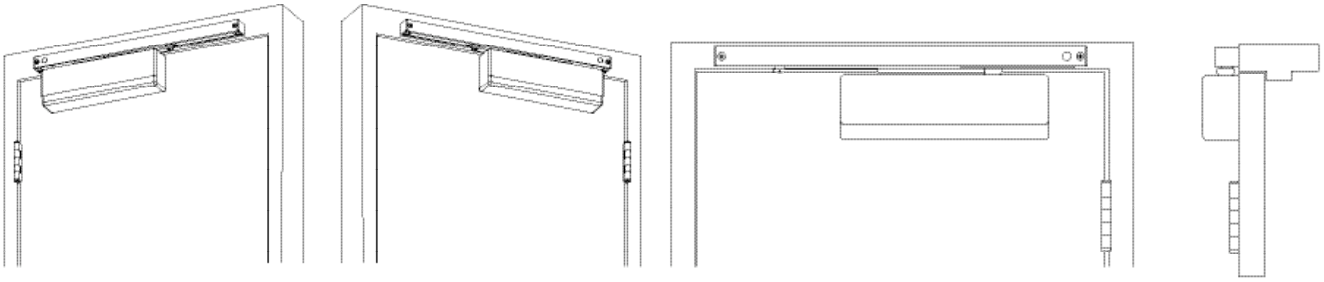
SARGENT 351 EHT Pull Side

351 EHT/EHTD
Electromechanical Closer-Holder Release Devices
Applications

SARGENT
1-800-727-5477
www.sargentlock.com

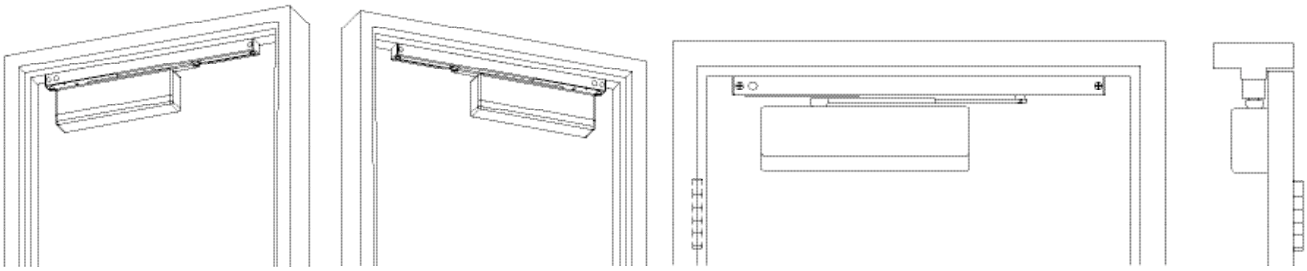
Pull Side

- Track mounted to face of frame
- 351 closer is mounted on hinge side of door
- Use on corridor or when pull side, single-point hold open is required
- Non-handed



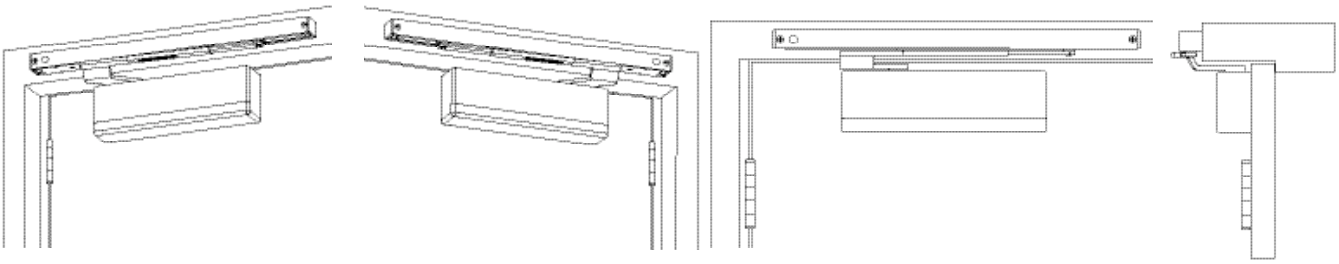
Push Side

- Track mounted to underside of the frame stop
- 351 closer is mounted to stop side of door
- Use on corridor or stairwell doors where push side, single-point hold open is required
- Non-handed



Pull Side - Double Egress

- Track mounted to face of frame
- 351 closer is mounted to hinge side of door
- Use on double egress openings when pull side hold open is required
- Double egress arm for reveal of 1/8" to 3" (3mm to 76mm) maximum
- Unit is handed



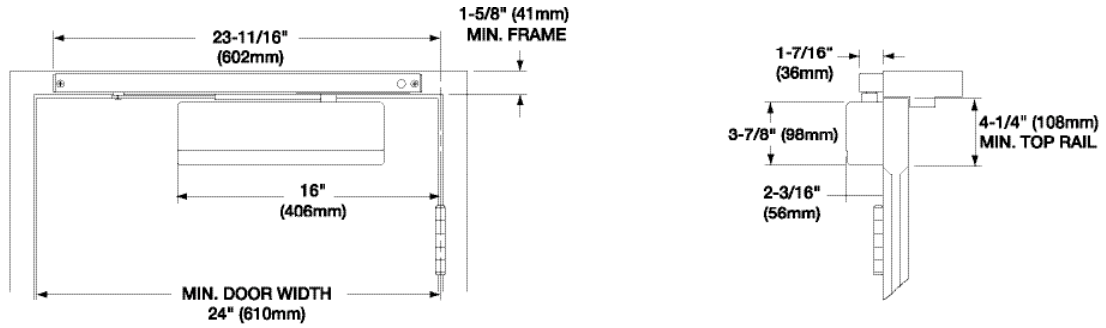
351 EHT/EHTD
Electromechanical Closer-Holder Release Devices
Mounting Details

SARGENT
1-800-727-5477
www.sargentlock.com

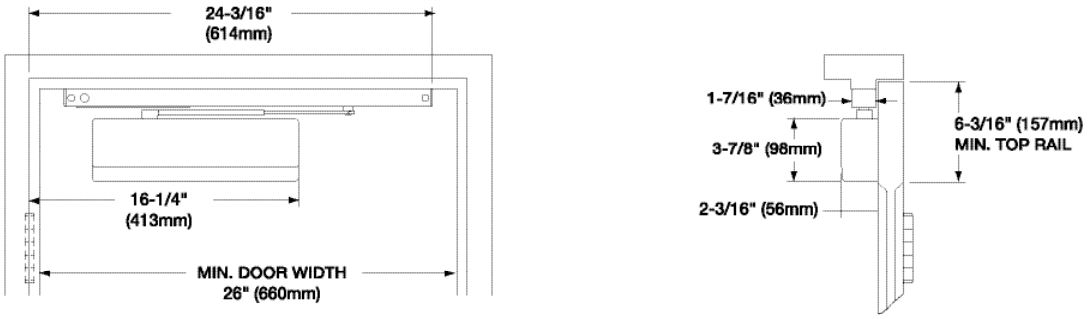
NOTES:

- Hold open adjustable from 85° to 110°
- 12 gauge reinforcements required for metal doors and frames
- Minimum stop width of 1-7/16" (36mm) for push applications
- 351-A Mounting Plate may be used for door with narrow top rail (pull application) Order separately as 351-A x finish
- 351-D Drop Bracket may be used for door with narrow top rail (push application) Order separately as 351-D x finish

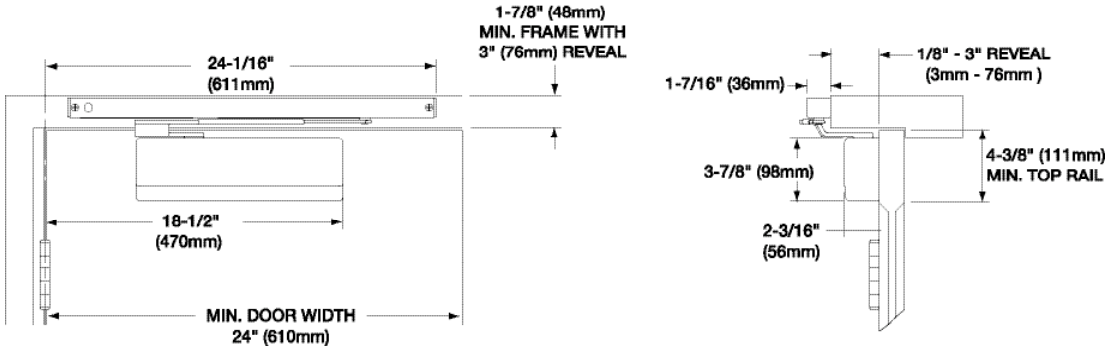
351 EHT Pull Side



351 EHT Push Side

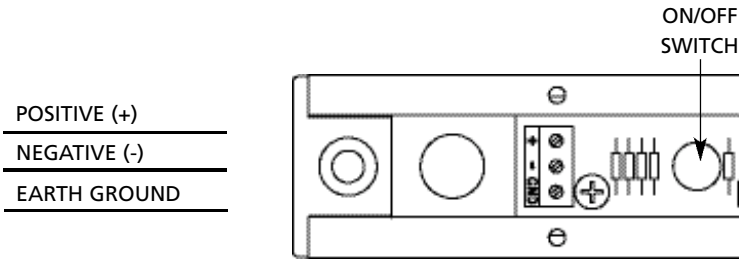


351 EHTD Pull Side - Double Egress

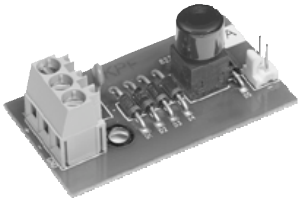


The EHT Series power requirements are 24VDC or 24VAC at 0.1 Amp.

Power Input Connections



63-4202



- Replacement board assembly

Switches and Transformer

When remote release is required, SARGENT offers both key and push button switches to interrupt power to the EHT allowing the door to close. Consult Product System Manual for other switch options.

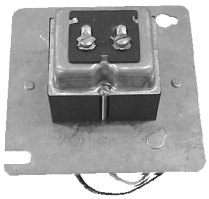
4370 Key Switch

- Allows remote or local operation of EHT
- Switch rating: SPDT maintained contact 4 Amp. @ 24VDC
- Size 41 mortise cylinder (1-1/8" [29mm] length of shell)
- Finish: 32D

4241 Push Button

- Designed to mount under desk
- Red LED indicates status of lock
- Snap action push button
- Switch Rating: SPDT, 6 Amp. @ 24VDC
- 1-1/16" H x 3-1/8" W x 2" D (27mm x 79mm x 51mm)
- Finish: 28

52-0328 Transformer



- 24VAC output, 120VAC input
- Mounts to standard 4" junction box
- UL Listed in US & Canada for Class II applications
- Supplies power for 2 EHT units

Power Supplies

24-volt DC regulated and filtered SARGENT power supplies to power your electromechanical products.

3510

- 24VDC, 1.8 Amp.
- UL Listed for Class II applications
- Size: 8-1/2" (22cm) W x 10-1/8" (26cm) H x 4-1/8" (11cm) D

3530 Series

- 24VDC, 2 Amp.
- Contains SPDT relay which can be used for fire alarm tie in or auxiliary output relay
- UL Listed
- Size: 12" (30cm) W x 12" (30cm) H x 6" (15cm) D

3560

- 24VDC, 7.2 Amp.
- UL Listed
- Size: 16" (41cm) W x 12" (30cm) H x 6" (15cm) D

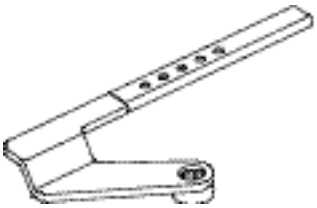
SARGENT
1-800-727-5477
www.sargentlock.com

63-2874 Link Insert & Extension

- For push and pull applications

63-3057 Double Egress Main Arm

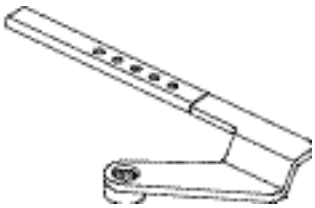
Left Hand



- For double egress doors with reveal greater than 1/8" (3mm) and less than 3" (76mm)

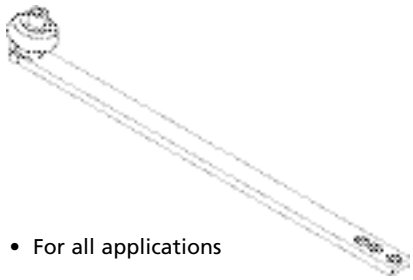
63-3056 Double Egress Main Arm

Right Hand



- For double egress doors with reveal greater than 1/8" (3mm) and less than 3" (76mm)

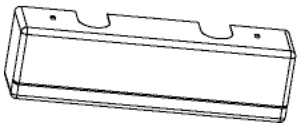
63-4206 Arm & Roller Assembly



- For all applications

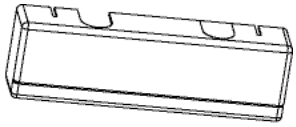
63-0730 Metal Cover

Non-handed

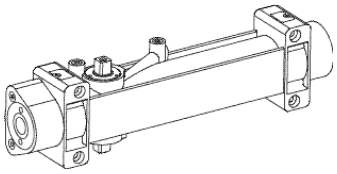


351-C Plastic Cover

Non-handed

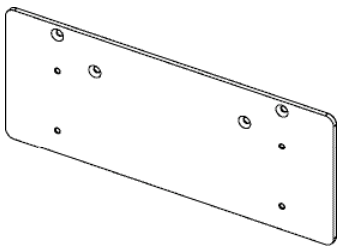


351-EHT Closer Body



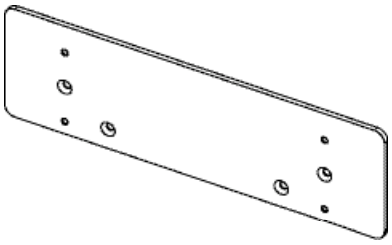
- Standard closer, 13-351
- Closer with delayed action feature, 13-351-DA

351-D Drop Bracket



- For narrow top rail push application

351-A Mounting Plate



- For narrow top rail pull application

Notes:

Screw Pack for all models, 63-4212

Specify finish when ordering arms or components.

Finishes: EB, EN, ED, EAB and EP.

Options

- 36- Prefix security screws
  Security TORX machine screws supplied for cover, track and spindle
- –MC Suffix Metal Cover
  Non-handed metal cover
- –TB Suffix Mortise Nuts
  Used with standard machine screws supplied for 1-3/4" (44mm) thick doors, to thru-bolt closer body to door

351 EHT/EHTD
Electromechanical Closer-Holder Release Devices
Architectural Specifications and How to Order

SARGENT
1-800-727-5477
www.sargentlock.com

Architectural Specifications

2.0 SINGLE-POINT CLOSER HOLDER RELEASE DEVICES

A. Single-point door closer holder release devices shall be 351 EHT Series as manufactured by SARGENT Manufacturing Company, New Haven, CT.

B. Door closer holders shall be certified to ANSI/BHMA A156.15 requirements.

C. Provide door closer holders to hold doors open under normal use conditions and to release and close door upon interruption of signal from fire alarm, smoke detector or from remote release switch.

D. Door closer holders shall be UL listed (US and Canada) for use on fire doors.

E. Door closer bodies:

1. One piece door closer body shall be die cast aluminum alloy with 14% silicon minimum content.
2. Door closer body shall be certified to ANSI Grade 1 standards per ANSI/BHMA A156.4.
3. Door closer body shall be fully closed rack and pinion construction.
4. Separate adjustable closing speed, latching speed, and backcheck shall be controlled by key operated valves with no less than one eighth inch hex.
5. Valves shall be captivated and non-critical.
6. Closer cover shall be constructed of high impact plastic material of flame retardant grade secured by machine screws.
7. Door closer body shall meet the requirements of UL 10C and UBC 7-2 positive pressure fire tests.
8. Door closer body shall have a ten year limited warranty.

F. Electro-mechanical holder release track assembly:

1. Devices shall include an integral electro-magnetic hold-open mechanism.
2. Track assembly will accommodate operating voltages of either 24VAC or 24VDC in the same unit.
3. Single-point hold open shall be adjustable from 85 to 110 degrees of door opening.
4. Track assembly shall include a terminal strip for ease of installation.
5. Circuit board shall contain a self-resetting fuse.
6. Track assembly shall include an on/off switch to control hold-open.
7. Two year limited warranty.

G. Door closer holders shall accommodate concealed or surface wiring standard.

H. Door closer holders shall have universal push or pull application.

How to Order

Models

351 EHT - Push or Pull, non-handed

351 EHTD - Double Egress, handed

351D EHT - Push or Pull with Delayed Action, non-handed

351D EHTD - Double Egress with Delayed Action, handed

For all models, add finish and options as needed.

Available options:

Prefix	Suffixes	
36- Security TORX screw pack	–MC	Non-handed metal door closer cover
	–TB	Mortise nuts for closer body

How to Order

Specify	Note	Example
Quantity	Number Ordered	**1 Qty.**
Prefix	Additional Feature Option	1 Qty. **36-**
Model	See Application Above	1 Qty. 36- **351D EHTD**
Hand	Required for EHTD (Double Egress)	1 Qty. 36- 351D EHTD **LH**
Suffixes	Additional Feature Options	1 Qty. 36- 351D EHTD LH
Finish	See Finishes	1 Qty. 36- 351D EHTD LH **EN**
Additional Information	Item/Heading Number, Door Number	1 Qty. 36- 351D EHTD LH EN **x Door 205**

Finishes

Finish	Description	ANSI/BHMA
EB	Sprayed bronze enamel to match 10B	690
ED	Sprayed black enamel to match 20D	693
EN	Sprayed aluminum enamel	689
EP	Sprayed bronze enamel to match 10	691
EAB	Sprayed brass enamel	696

SARGENT Manufacturing Company • 100 Sargent Drive • P.O. Box 9725 • New Haven • CT 06536-0915
Phone: 800-727-5477 • Fax: 888-863-5054 • Web site: www.sargentlock.com
SARGENT of Canada • Phone: 905-940-2040 • Fax: 905-940-3242 • Web site: www.sargentcanada.ca

Founded in 1864, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation and replacement applications. The company's customer base includes commercial construction, institutional and industrial markets.

The ASSA ABLOY Group is the world's leading manufacturer and supplier of locking solutions, dedicated to satisfying end-user needs for security, safety and convenience.