**Product Catalog** 

ASSA ABLOY





Experience a safer and more open world

80 Series

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## Narrow Design Concealed Vertical Rod Exit Device for Wide & Narrow Stiles (Panic & Fire Rated)



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## Low Profile Center & Top Latching Vertical Rod Exit Device (Panic & Fire Rated)



		•		
LP8600 & LR8600 Center	& Top Latching Exit De	evices for Pairs of	Doors	
LP8600/LR8600 Function	s & Trims for Pairs of Do	oors		
LS8600 Center and Top	atching Vertical Rod fo	r Single Door Ap	plications	
LS8600 Functions & Trim	s for Single Doors		· · · · · · · · · · · · · · · · · · ·	

## **UL Listed Windstorm Products**

	MD8600 Concealed Vertical Rod Exit Devices: UL Hurricane-Resistant	
	HC8800 Rim Exit Devices: UL Listed Hurricane-Resistant	
	WS8800 Rim Exit Devices: UL Listed Hurricane-Resistant	
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## Features and Innovations

## **80 Series**

SARGENT manufactures a full line of exit devices including vertical rod, rim and mortise for both standard and narrow stile doors. These devices provide the best combination of simplicity, strength, durability, aesthetics and innovation and are perfect for applications such as commercial office buildings, medical and educational institutions.

Simplicity	Strength & Durability				
<ul> <li>Easy installation and maintenance-free design</li> <li>"True" architectural hardware finishes consistent with BHMA/ANSI standards</li> <li>Few moving parts – less wear</li> </ul>	<ul> <li>Made of finest component materials</li> <li>Heavy duty mounting construction</li> <li>Built to withstand abusive conditions</li> <li>5 Year warranty</li> </ul>				
Modular construction					
Hurricane-Resistant Products and Certifications	Innovation				
<ul> <li>UL Certified Latching Hardware and Assemblies (ZHEM &amp; ZHLL)</li> <li>Product-specific detailed certifications and listings</li> <li>Available with Rim, Mortise, SVR &amp; CVR devices</li> </ul>	<ul> <li>Broad offering of electro-mechanical solutions for the most demanding access/egress control applications</li> <li>MicroShield<sup>®</sup> anti-microbial finish coating offers a new level of protection</li> </ul>				
Security	• <b>SARGuide™</b> exit device contains an electroluminescent touchpad to enhance the visibility of exit locations in dark or smoke-filled				
<ul> <li>Double cylinder functions available</li> <li>Torx<sup>®</sup> and spanner screws</li> <li>Anti-vandal trim options</li> <li>Master keying with SARGENT Security Key systems available</li> </ul>	<ul> <li>passages and effectively improve the safety of any public building</li> <li>CTL (Center and Top Latching) Vertical Rod Devices offer less bottom rod convenience with true center latching for added security</li> </ul>				

**EcoFlex**®

- Reduces energy consumption up to 95% for exit trim, as certified by Green Circle, which lowers operating costs; assists with load reduction in optimizing energy performance credit in LEED, and reduces the number of power supplies requires.
- Field configurable to fail-safe or fail-secure, and operates from 12-24VDC, offering greater flexibility in system design.
- Innovative actuator design provides superior reliability through higher performance and reduced maintenance; the ability to have longer cable runs without negatively impacting lock function. It reduces the risk of voltage drops and eliminates inductive kickback, and lowers the total cost of owner ship.

#### MicroShield<sup>®</sup> Coating

#### MicroShield<sup>®</sup>

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a trademark of the respective ASSA ABLOY Group company.

(Signature, Keso F1, Keso and XC)



The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

#### SARGuide

The PL- SARGuide Photoluminescent Exit Device is a non electrical option which produces visible EXIT signage in darkness or low lit areas.

- Approved for use in New York City in accordance with RS 6-1 and RS 6-1A.
- Recharges from ambient light.
- No wiring or maintenance needed.



## SARGENT ASSA ABLOY

#### Maximum Door Opening-Fire Doors

Type	Exit Device	Door Material	Single Door	with 12-HC980 or 12-980 or 12-HCL980 Mullion	with 12-L980	with 12-HD980 Mullion	VR/VR Doors Swing Same Direction	SVR/Mortise Doors Swing Same Direction	CVR/Mortise MD Doors Swing Same Direction	CVR/Mortise WD Doors Swing Same Direction	VR/VR Double Egress
Rim	12-8800	Metal	3 Hour 4' x 10'	3 Hour 8' x 8'	1.5 Hour 8' x 8'	3 Hour 8' x 10'	_				
Ri	12-8500	Metal	3 Hour 4' x 8'	3 Hour 8' x 8'	1.5 Hour 8' x 8'	3 Hour 8' x 8'	_				
Lock	12-8900	Metal	3 Hour 4' x 10'					3 Hour 8' x 8'	3 Hour 8' x 10'		_
Mortise	12-8300	Metal	3 Hour 4' x 10'						3 Hour 8' x 10'		_
	12-FM8700	Metal	3 Hour 4' x 8'	—	—	—	3 Hour 8' x 8'	—	—		
SVR	12-8700	Metal	—	—			3 Hour 8' x 8'	3 Hour 8' x 8'			3 Hour 8' x 8'
	12-NB8700	Metal					3 Hour 8' x 10'			—	3 Hour 8' x 10'
	12-MD8600	Metal	—	—	—	—	3 Hour 8' x 10'	—	3 Hour 8' x 10'		3 Hour 8' x 10'
CVR	12-NB- MD8600	Metal	—	—	—	—	3 Hour 8' x 10'	—	—		3 Hour 8′ x 10′
ΰ	12-MD8400	Metal	—	—	—	—	3 Hour 8' x 10'	—	3 Hour 8' x 10'		3 Hour 8' x 10'
	12-NB- MD8400	Metal	—	_	—	—	3 Hour 8' x 10'	—	—		3 Hour 8′ x 10′
rtise	12-LS8600	Metal	3 Hour 4' x 10'	_	_	—	_	_	_	—	
CVR/Mortise	12-LP8600 & 12-LR8600	Metal	_	_	_	_	3 Hour 8' x 10'		_	_	3 Hour 8' x 10'

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

#### Notes:

- Please contact door manufacturer for specifications regarding fire door construction.
- Consult wood door manufacturers for current UL listing.

## 80 Series

#### Windstorm Certifications: Florida Building Codes & UL Listings

SARGENT Manufacturing's products meet building codes that require hurricane, windstorm and FEMA certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 80 Series lock.

## Florida Building Code: FL2998 UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI-BHMA A250.13	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ANSI/ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
(TAS) 201	"Impact Test Procedures"*
(TAS) 202	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
(TAS) 203	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

#### \* Published in the "Florida Building Code"

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

#### UL Certification Directory: ZHLL.R21744 - Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
AAMA/WDMA/CSA 101/I.S.2/A440	"Standard/Specification for Windows, Doors, and Unit Skylights"
FEMA Publication 320 (2021)	"Taking Shelter From the Storm: Building a Safe Room for Your Home or Small Business", investigated with respect to impact and pressure requirements only.
FEMA Publication 361 (2021)	"Design and Construction Guidance for Community Safe Rooms", investigated with respect to impact and pressure requirements only.
ICC 500 (2014/2020)	"ICC/NSSA Standard for the Design and Construction of Storm Shelters", investigated with respect to impact and pressure testing. Minimum missile impact speeds vary with the design wind speed desired for a particular product. The information below correlates design wind speed to the minimum missile speeds as discussed in Table 305.1.1 of ICC 500

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

08/24

## 8888/8810 Multi-Function Rim Exit Device and Trims

## **80** Series

## SARGENT

## ASSA ABLOY



#### 8888/8810 Multi-Function exit device and trim

- Device & trim sold separately; easy to mix and match
- Designed for standard width stile applications on wood and metal doors
- 7 functions available as determined by the trim function
- 3 trim designs available:
  - 700 ET Controls
  - 88 Lever & Rose trim - Pull trims
- Single and double door applications with a mullion

opoemeations	
Door Type	Wood or metal Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Stile	4-1/2" (114mm) minimum stile width
Mounting	Supplied standard with wood and machine screws Available with through-bolts and mortise nuts
Chassis Cover	Cold drawn stainless steel, brass or bronze with ANSI/BHMA Finishes
Chassis	Nonferrous alloy (Panic) Ferrous alloy (Fire Rated)
Rails	Roll Formed Stainless Steel, Brass or Bronze with ANSI/BHMA Finishes
Hand	Non-handed
Dogging Feature (Non 12- only)	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Latchbolt	Stainless steel, 3/4" (19mm) throw
Strike	649 Strike supplied standard for panic & fire rated openings
Fire Exit Hardware	See chart - Page 6

#### **Rail Chart**

- Rails are available in 4 sizes, use door width to determine size needed.

- Rails will be factory cut to size if door width is supplied or can be cut in the field

Stock Size	Door Widths	Remarks
E	24" to 32" (61cm to 81cm)	No cutting required for 32" (81cm) door
F	33" to 36" (84cm to 91cm)	No cutting required for 36" (91cm) door
J	37" to 42" (94cm to 107cm)	No cutting required for 42" (107cm) door
G	43' to 48" (110cm to 122cm)	No cutting required for 48" (122cm) door

#### 88 Lever and Rose Trim

688 Trim Retrofit Kit

door prep.

• Order as: 688 Kit



• 688 Trim Retrofit kit allows an

exit with trim with minimal

8810/8888 rim exit with an ET to

replace Von Duprin's 98/99 series

- The 88 Lever and Rose Trim is sold separately from the exit device and can be used with 8888 & 8810 Exit Device.
- The trim is non handed and is through-bolted to the chassis for greater security and durability. Available in 4 functions and 4 lever designs to accommodate most requirements.

1/4 (6mm)

## 649 Strike

- Supplied standard for panic & fire rated openings
- Surface applied
- Black nylon coated 3/4"

(19mm)



1-5/32"

(29mm)

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## The 8888/8810 Rim Exit Device

- ANSI/BHMA A156.3 Grade 1
- UL10C (Fire) and UL305 (Panic) Listed
- Device is non-handed
- ANSI/BHMA architectural finishes
- Four standard sizes available
- To Order: Specify options, 8888 or 8810, Rail Size and Finish Example: 12-19-8888F x 32D

## 700 Series ET Control

The 700 Series ET Control is sold separately from the exit device and can be used with 8888 & 8810 Exit Device. The trim is non handed and is throughbolted to the chassis for greater security and durability. Available in 7 functions and SARGENT Studio, Coastal and standard lever designs to accommodate most requirements.

- ANSI/BHMA Finishes
- convenient one hand operation
- ET trim is not available in 32 or 32D
- Stainless steel levers are available

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- Easy operating lever handle allows

## **80** Series

lever

88 Lever and Rose Trim

finish (as shown to the right).

Example: 10-SG-88-CLP x 26D

To order: Specify options followed

by trim designation, lever design and

## SARGENT ASSA ABLOY

Options

Trim

10-

11-

11-70-

11-72-7P-11-73-7P-

Exit

\*16

19-

43-

5CH-GL-

with J Lever ++ Double Cross

> options are only available with 88 Lever &

Rose Trim

available with 88

Lever & Rose Trim

Available

**Finishes** 

BHMA

Finishes

605

606

611

612

613

613E

613L

618 619

624 625

626

629

630

\_\_\_\_

SARGENT

Finishes

03

04

09

10

10B

10BE

10BL

14

15 20D

26

26D

32

32D

BSP

WSP

#### How to order 8888/8810 Multi-Function Exit Devices:

Specify the following:							
Options	Series	Rail	Finish				
16-	8888 or 8810	F	32D				

• All trims and functions listed on this page, work with 8888 & 8810 Exit Devices

- Available options listed at the right
- 8888 & 8810 are identical products and are non-handed

• Exit devices are not available in 14, 15, 26 and 26D finishes

#### How to order trim for 8888 & 8810 Exit Devices:

Specify the following:									
	Options	<b>Trim Designation</b>	n Hand	Finish					
	10-	713-8 ET_*	RHR	26D					
	10-	88-CL_ *	Non-Handed	10B					
	60-	814-MSI	RHR	04					

\*Specify lever design Available Options listed at the right

700 Series ET Trim	SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	Trim Designations	CPC- LC- LD- PL-	21- 22- 60- 63- 64- +70-
C	04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	704 ET_ x Hand & Finish		+72- +73- +73-7P-
0	10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	710 ET_ x Hand & Finish		+65-73- +65-73-7P- BR- LC-
	13	08	Key Outside Unlocks/Locks Trim #41 Cylinder Supplied	713-8 ET_ x Hand & Finish		SC- SE- ++ SF-
700 Series ET Controls	15	14	Passage Only (No cylinder)	715-8 ET_ x Hand & Finish		*** SG-
To order: Specify options followed by trim designation, lever design, hand and finish (as shown to the right).	40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	740 ET_ x Hand & Finish	for cyline	l 41 cylinder, der options,
Example: 11-SG-713-8 x RHR x 10B Freewheeling Trim	43	08	Freewheeling Trim - Key Outside Unlocks/Locks Trim #41 Cylinder Supplied	743-8 ET_ x Hand & Finish	see trim ** Only ava 15, 26D a	ilable with
The lever rotates when the door is locked preventing excessive force	44	03	Freewheeling Trim - Key Retracts Latch #34 Cylinder Supplied	744 ET_ x Hand & Finish	finishes + Single o options	crossed are not

from being applied to the horizontal

Note: ET trim is not available in 32 (629) or 32D (630)

#### ANSI Function Numbers Description **Trim Designations** Key Retracts Latch 03 88-KL\_ x Finish Cylinder Supplied No outside Operation (No Cylinder) 02 88-DL\_ x Finish Dummy Trim Key Outside Unlocks/locks Trim 08 88-CL\_ x Finish Cylinder Supplied 14 Passage Only (No cylinder) 88-LL\_ x Finish

Lever Designs available for 88 Lever & Rose Trim are L, B, J & P

Note: For 88 Lever & Rose trim, the 1st letter is the function, the 2nd is the "L" Rose Design & the 3rd is the lever design specified

-			m for 8888 & 8810 Devices		Tr	im Designatio	ons	
t	0	n Exit Device, al	Ex "866-MAL") when orderin ways specify options,	g o	¢	0	÷	0
E	Example: 10-S	G-814-FSW x 04	4 x RHR	_		E	-	
	SARGENT Function #'s	ANSI	Description & Cylinder Info. (1-3/4" Door)			2	L	
	04	03	Key Retracts Latch #34 Cylinder Supplied	814-FSL*	814-FSW*	814-MSL*	814-PSB*	814-STS
	10	02	No O/S Operation or Cylinder	810-FLL	810-FLW	810-MAL	810-PTB	810-STS

(Pull Only) Note: 88 Lever & Rose trim & ET's are not available in 32(629) or 32D(630)

\* FSL, FSW, MSL and PSB trims are used with (HC-& 12-) 8888 and 8804 only and are the same as FLL, FLW, MAL and PTB pulls, except for cylinder hole located 3/8" (9mm) lower

Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

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## 8800 Rim Exit Device

**80** Series

## SARGENT ASSA ABLOY

## 8800 Series



## 8800 Features

- Designed for standard width stile applications on wood and metal doors
- Also available as an HC8800 or WS8800 for hurricane-resistant applications, see Hurricane-Resistant section of this catalog
- Single point rim latching device
- Single door & double door applications with mullions
- Quiet operation and solid security
- ANSI/BHMA A156.3 Grade 1
- UL10C (Fire) and UL305 (Panic) Listed

#### **Specifications**

#### 8800 Series Rim Exit Device

1		_
Door Type	Metal Doors	]
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 5" thick, specify thickness and order as 31- (see page 67 for function limitation)	
Stile	4-1/2" (114mm) minimum stile width	
Rail sizes as determined by door width	<ul> <li>Rails are available in 4 sizes, use door width to determine size needed.</li> <li>Rails will be factory cut to size, if door width is supplied</li> <li>E Rail for 24" to 32" door widths, No cutting required for 32" door</li> <li>F Rail for 33" to 36" door widths, No cutting required for 36" door</li> <li>J Rail for 37" to 42" door widths, No cutting required for 42" door</li> <li>G Rail for 43" to 48" door widths, No cutting required for 48" door</li> </ul>	4
Strike	649 Standard Black Nylon Coated	
Optional Strikes	642, 644 and 613	
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)	
Electric Options	AL- Alarm PL- SARGuide Photoluminescent Coated	
	<ul> <li>49- Indicator</li> <li>53- LX Latchbolt Monitor</li> <li>54- Outside Lever Monitoring</li> <li>55- Request-to-Exit Signal - Rail Monitoring</li> <li>56- Remote Latch Retraction</li> <li>58- Electric Dogging</li> <li>59- Electroguard – Self Contained Delayed Egress</li> </ul>	
Mounting Fasteners	Supplied standard with wood and machine screws Available with through-bolts and mortise (sex) nuts	]
Latch Bolt	Stainless steel, 3/4" (19mm) throw	
Device Centerline from Finished Floor	41" (1041 mm) for Standard Applications	
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)	
Projection	Pushbar Neutral – 3" (76 mm) Pushbar Depressed – 2-1/8" (54 mm)	
Fire Exit Hardware	See Chart – Page 6	

## 49- Lock/Unlock Indicator Option



• Displays whether the door has been secured by the inside cylinder.

- Red icon indicates locked
- White icon indicates unlocked
- Dogging overrides 49functionality (must order less dogging)
- Available on 8816 and 8866 functions only

## 649 Strike



- Supplied standard for panic & fire rated openings
- Surface applied
- Black nylon coated

## 688 Trim Retrofit Kit



- 688 Trim Retrofit kit allows an 8800\* Series rim exit with an ET to replace Von Duprin's 98/99 Series exit with trim with minimal door prep.
- Except for 16 function
- Order as: 688 Kit



• Mortised. Dimension "L" equals door thickness plus 1/2" (13mm). Black nylon coated on lip only



Surface applied. For use on pairs of doors without mullion. Ductile Iron. Black nylon coated



Half mortised. ٠ Black nylon coated Experience a safer and more open world

08/24 0641

## 8800 Functions and Trims

## 80 Series

<b>SA</b>	R	ĴE	N	0
	-			

## ASSA ABLOY

				ction Rail	Lgth F	Trim ETL	Hand RHR	Outside Fi 26D	nish In	side Finish 32D	Door Wic 36"		
00 Serie	es ET Trim		SARGENT					200		ANSI Type 1		Opti	
Ex	tits with ET Tri		Function	Function			on & Cylind			8800		880	00
	ver design afte esignation (e.g		Numbers	Number	5	(1-	3/4" Door	)		Panic & Fire		Mechanica	
			04	03			Night Latch y Retracts Latc Cylinder Supp			8804 x ET_		12 16 19	6- 9-
0	-)		06	09		Key unlocks Trim relocl	Trim, Trim ret s when key is Cylinder Supp	racts latch/ removed		8806 x ET_		31 36 37 43	6- 7- 3-
			10	01			operation (No			8810		53 54 55	4-
			10	02			operation (No ol is used as P			8810 x ET_		56 56-1	6- ·HK-
ever De: , B, E, F, J	signs for E	Controls	10	0.0			ide Unlocks/lo			0012 ГТ		58 59	
	ole with Coast	al Series &	13	08		#41 (	Cylinder Supp	lied		8813 x ET_		BC-! 76	-59-
udio Colle	ection Levers		15	14		Passag	e Only (No cyl	inder)		8815 x ET_		85 86	6-
	nation with rder ET with		16	10	O/S	Key Inside	tside Retracts Unlocks/Locks r & I/S #44 Cy		d	8816 x ET_		87 AL BT CP	L- T- PC-
15-8, 716,	: 704, 706-8, 7 740, 743-8, 7 8, 775-8 & 776	14, 746-8,	40	02		No d	ewheeling Trin outside operat linder) Dummy	ion		8840 x ET_		Gl LD PL ** S	D- L- SG-
	eling Trim		43	08		Key Outs	ewheeling Trir ide Unlocks/lo Cylinder Supp	cks Trim		8843 x ET_		TE TL <b>Cylinder</b> 10	L- Options
cked prev	otates when th enting excess applied to the	ve force	44	03		Free Ke	ewheeling Trin y Retracts Lato Cylinder Supp	n - :h		8844 x ET_	_	10-2 10-6 11 11-2	21- 63- 1-
Electrified ET Trim			46	09	1	Free Key unlocks Trim relocl	ewheeling Trin Trim, Trim ret <s is<br="" key="" when="">Cylinder Supp</s>	n - racts latch/ removed		8846 x ET_		11-6 11-6 11-70 11-72	63- 64- 0-7P- 2-7P-
	must be specified for the 73 Electrified ET Trim - Fail Safe 8873 x ET_						11-73 11-65-7 21	73-7P-					
	nctions: 73, 7 /DC or 24VDC		74	Electrified ET Trim Fail Service						22- 51- 52-			
			75			Electrifie ver Off, Unlo	ed ET Trim - Fa cks Lever, Key	ail Safe Retracts Latch	1	8875 x ET_		60 63 64 70	0- 3- 4-
			76		Pov	Electrified wer Off, Loc		l Secure Retracts Latch		8876 x ET_		72 73 65-7 65-73	3- 73-
						es, except 14		D. With these f		vices are supplied in 3 shes, specify 14/32 or		73-7 81 82 F1-8	7P- 1- 2-
ull & Th	umbpiece <sup>·</sup>				Tri	im Desig		hen orderir	ng the	Series		83 F1-8 84 BF LC	3- ·83- 4- R-
			• Use	Device wi the six dig without a	git design	nation (Ex	"866-MAL ays specify	.") when or finish	dering		*	*Si *Si *Si	iC-
					0	Ø	, i i i i i i i i i i i i i i i i i i i	Ø				available v * Only ava	with 88
		Descrip	tion &			8	-	1			-	15, 26D a finishes	
SARGENT Function	ANSI Function	Cylinde		Ĩ	n	F	Ē			8800		Avail	lable
Numbers	Numbers	(1-3/4"	Door)			<u>i</u>		للہ	2	Panic & Fire		Finis	
04	03	Night Key Retra #34 Cylinde	icts Latch	814-FSL*	814- FSW*	814- MSL*	814-PSB*	814-STS	862 Pull	8804 x Trir Designatic	5	ARGENT Finishes	BHN Finis
10	02	No O/S Op Cylinder (I		810-FLL	810-FLW	810-MA	L 810-PTB	810-STS	862 Pull	8810 x Trir Designatic		03 04 09	60 60 61
28	15	Passag (No cy		828-FLL	828-FLW	828-MA	L 828-PTB	828-STS	N/A	8828 x Trir Designatic	m	10 10B	61 61
	05	Key Outsid Locks Thu	e Unlocks/ ımbpiece	866-FLL	866-FLW	866-MA	L 866-PTB	866-STS	N/A	8863 x Trir Designatic		10BE 10BL 14	613 613 61
63	05	#34 Cylinde	er Supplied									15	61

\* FSL, FSW, MSL and PSB trims are used with (HC-& 12-) 8888 and 8804 only and are the same as FLL, FLW, MAL and PTB pulls except for cylinder hole located 3/8" (9rmm) lower.
 Note: Thumbpiece trims for 63 and 66 function devices are identical and are identified as 66 function when trim is ordered separately.
 Note: FLW & FSW trims are not available in 32(629) or 32D(630).
 Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D.

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90641

# 8900 Mortise Lock Exit Device



## 8900 Series

## Mortise Lock Exit Device .

Specifications for 8900 Mortise Lock Exit

## 8900 Features

•

• Designed for standard width stile applications on wood and metal doors

SARGENT

ASSA ABLOY

- Concealed single point guarded latching for additional security •
- Also available as a WS8900 for additional certifications and listings, see Hurricane-Resistant section of this catalog
- Single door applications •
- Double door applications with Vertical Rod •
- ANSI/BHMA A156.3 Grade 1
- UL10C (Fire) and UL305 (Panic) Listed

Door Type	Metal Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2 1/4" thick, specify thickness and order as 31-
Stile	4-1/2" (114mm) minimum stile width
Rail sizes as determined by door width	<ul> <li>Rails are available in 4 sizes, use door width to determine size needed.</li> <li>Rails will be factory cut to size, if door width is supplied</li> <li>E Rail for 24" to 32" door widths, No cutting required for 32" door</li> <li>F Rail for 33" to 36" door widths, No cutting required for 36" door</li> <li>J Rail for 37" to 42" door widths, No cutting required for 42" door</li> <li>G Rail for 43" to 48" door widths, No cutting required for 48" door</li> </ul>
Strike	C908 Standard Black Nylon Coated – ANSI Prep A115.1 Optional Strikes – 815 Open Back Strike or 908 Flat Lipped Strike with Black Nylon
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide™ Photoluminescent Coated 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with wood and machine screws Available with through-bolts and mortise (sex) nuts
Latch Bolt	Brass Nickel Plated, 3/4" (19mm) throw, anti-friction
Guarded/DeadLatch	Brass Nickel Plated, sliding type
Device Centerline from Finished Floor	41" (1041 mm) for Standard Applications; 38" (965mm) for elementary schools
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76mm) Pushbar Depressed – 2-1/8" (54mm)
Fire Exit Hardware	See Chart – Page 6

#### **C908 Standard Strike**

• Curved lip ANSI A-115.1



#### Single Door



## Pair of Doors



## 815 Open Back Strike



- ANSI A-115.14 Open Back
- Beveled 1/8" (3mm) in 2" (51mm) • •
- Specify hand of active door Black nylon coat •
- "B" label

(2mm)

# 8900 Functions and Trims

## SARGENT **ASSA ABLOY**

## 80 Series

How to order: (	<b>Options S</b> -1-83-	eries 89	Functi 13	on Rail Lgth F	<b>Trim</b> ETL	Hand RHR	Outside Finish 26	Inside Finish 32	Door Width 36"	Options
700 Series ET Trim		Fur	GENT action mbers	ANSI Function Numbers	Desc	Description & Cylinder Info (1-3/4" Door)			pe 3 D Fire	8900 Mechanical Options:
Exits with ET lever design designation			04	03		Night I Key Retrac #46 Cylinde	ts Latch	8904 x	ET_	16- 19- 23- 31- 36-
			06	09			im retracts Latch/ key is removed r Supplied	8906 x	ET_	37- 43- 53- 54-
0			10	01	No o	utside operati	on (No Cylinder)	891	С	55- 56- 56-HK-
			10	02			on (No Cylinder) ed as Pull Only	8910 x	ET_	58- 59- BC-59-
Lever Designs for A, B, E, F, J, L, P, W	r ET Control	5	13	08	Кеу	o Outside Unio #41 Cylinde	ocks/locks Trim r Supplied	8913 x	ET_	76- 85- 86- 87-
A, B, E, F, S, E, F, W Also available with Coastal Series & Studio Collection Levers			15	14	F	assage Only	No cylinder)	8915 x	AL- BT- CPC-	
ET Designation w (Used to order ET w	vith Suffix vithout device	<u>)</u>	16	10	Key I		etracts Latch; /Locks O/S Trim Cylinder Supplied	8916 x	ET_	LD- PL- ** SG- <b>Cylinder Options:</b> 10-
8900 Series: 704, 706, 715, 716, 740, 743, 74 775 & 776			40	02	(	Freewheeli No outside No Cylinder) [	Operation	8940 x	ET_	10-21- 10-63- 11- 11-21- 11-60-
Freewheeling Tri The lever rotates when locked preventing exc	n the door is	-	43	08	Кеу	Freewheeli Outside Unio #41 Cylinde	ocks/locks Trim	8943 x	ET_	11-63- 11-64- 11-70-7P- 11-72-7P- 11-73-7P-
from being applied to lever	the horizontal		44	03	For 1-3	Freewheeli Key Retrac /4" Door #46		8944 x	ET_	11-65-73-7P- 21- 22- 51- 52-
Electrified ET Trim and Electrified Mortise Locks Voltage must be specified for the		- :	75*		I	Power Off, Un Key Retrac		8975 x	ET_	60- 63- 64- 70- 72-
following functions: 73 76. Specify: 12VDC or 24	3, 74, 75 and	7	76**			Power Off, Lo Key Retrac		8976 x	ET_	73- 65-73- 65-73-7P- 73-7P- 81-
		supp finish * 75	lied in 32 c ies, specify Function w	or 32D to match ad	ccordingly. 32 to receive nick available as a 7	or 32D is auto el finished trir 3 Function	nt 14, 15, 26 & 26D. With t matically supplied when 2 ns and stainless exit devic	26 or 26D is specified		82- F1-82- 83- F1-83- 84- BR- LC- *SC- *SE-

									*SE	-	
SARGENT Function	Function	<ul> <li>Use three the Exit I</li> <li>Use the s</li> </ul>	e letter des Device with ix digit de	Trim Desigr signations (I n trim signation (E signation (E nut an Exit D	Ex "PTB") Ex "866-M/	AL") when	5	Series	* Options au available v following f 04 x ET, 1. 75 & 76 ** Only avai 15, 26D a finishes Avail Finis	with the functions: 6, 44, ilable with and 32D <b>able</b>	
Numbers	Numbers				E		J.,	8900 Panic & Fire	SARGENT	BHMA	
04	03	Night Latch-Key Retracts Latch #41 Cylinder Supplied	814-FLL	814-FLW	814-MAL	814-PTB	814-STS	8904 x Trim Designation	Finishes	Finishes	
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	8910 x Trim Designation	04 09 10	606 611 612	
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STS	8928 x Trim Designation	10B 10BE 10BL	613 613E 613L	
63	05	Key Outside Unlocks/locks Thumbpiece #41 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	8963 x Trim Designation	14 15	618 619 624	
66	07	Key Outside Retracts Latch; Key Inside Unlocks/Locks Trim; O/S #34 & I/S #41 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	8966 x Trim Designation	20D 26 26D	625 626	
	Note: Flum bic ordered separately. 32D 630 Note: Flum is not available in 32(629) or 32D(630). 32D										

Note: Flumppiece trims for 63 and 66 function devices are identical and are id Note: FLW trim is not available in 32(629) or 32D(630). Note: Thumbpiece trims used with 8900 mortise lock exit devices are handed. Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D.

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BSP WSP

# 8700 Surface Vertical Rod Exit Device

## **80** Series



Rods are 1/2" (13mm) brass, bronze or stainless steel

Note: The 8700 Exit Device can not be used less bottom rod. If less bottom rod is desired, specify NB8700 Series Exit Device

## **Specifications for 8700 Series Exit**

Door Type	Wood or metal doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 5" thick, specify thickness and order as 31- (see page 67 for function limitation)
Stile	4-1/2" (114mm) minimum stile width with trim and 3-1/2" (44mm) minimum stile without trim
Rail sizes as determined by door width	<ul> <li>Rails are available in 4 sizes, use door width to determine size needed.</li> <li>Rails will be factory cut to size, if door width is supplied</li> <li>E Rail for 24" to 32" door widths, No cutting required for 32" door</li> <li>F Rail for 33" to 36" door widths, No cutting required for 36" door</li> <li>J Rail for 37" to 42" door widths, No cutting required for 42" door</li> <li>G Rail for 43" to 48" door widths, No cutting required for 48" door</li> </ul>
Strike	646 Top Strike (Panic and Fire Rated) 624 Bottom Strike; 655 Fire Rated Bottom Strike
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide™ Photoluminescent Coated 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- ELR Remote Latch Retraction 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with wood and machine screws Available with through-bolts and mortise (sex) nuts
Top & Bottom Bolt	Brass, Stainless steel
Device Centerline from	41" (1041 mm) for Standard Applications; 38" (965mm) for elementary schools
Door/Opening Height	<b>Must be specified</b> - 120" (3048mm) Max Door Opening - Non-fire rated doors 96" (2438mm) Max Door Opening - Fire rated doors
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76mm) Pushbar Depressed – 2-1/8" (54mm)
Fire Exit Hardware	See Chart – Page 6

## 646 Top Strike

Standard for both Panic & Fire (12-) Hardware

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- Surface applied to frame
- Black nylon coated
- Replaces 629 Strike



## 624 Bottom Strike

- Standard for 8700
- Applied to surface of floor or to a flat threshold
- Black nylon coated



## 655 Bottom Strike

- Standard for 12-8700 and • 14-8700
- Stainless steel ٠
- Black nylon coated
- Replaces 647 Strike



#### Inside Lever Assembly for 300 Series Aux Control Attaches to top rod and



648 & 653 Strikes (Alternate Strikes for 8700 SVR Devices)

648 Strike



7/16" (11mm) 1 7/8" (48mm)  $\bigcirc$ 2-1/2" (64mm) 1-1/8" (29mm)



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Note: 26 or 26D is automatically supplied when 32 or 32D is specified.

ngages with 300 Series

Je l

## 8700 Functions and Trims 80 Series

## SARGENT

## ASSA ABLOY

How to orde	r: Options F1-83-	Series 87	Functio	on Rail Lgt F	h Trim ETL	Hand RHR		<b>le Finish</b> 2D	Inside Fii 10B	nish Door Width 36"	Doc	or Height 84"	<b>AFF</b> 41"
	<b>T Trim</b> ith ET Trim, spe esign after the	ecify Fu	RGENT Inction Imbers	ANSI Function Numbers	Des	cription (1-3/4	& Cylind 4" Door)	er Info.		ANSI Type 2 8700 Panic & Fire		Opti 870	
	ation (e.g., ETL		06	09		unlocks Trim n relocks wł #41 Cylin		emoved		8706 x ET_		Mechanica 12	Option:
0	4		10	01	No o	utside oper	ation (No C	Cylinder)*		8710		14 16 19	-
Y			10	02		utside oper Control is				8710 x ET_		31 36 37	-
over Design	s for ET Cor	trole	13	08	Ke	y Outside L #41 Cylin	Jnlocks/lock der Supplie			8713 x ET_		43 53 54	-
, B, E, F, J, L, F	P, W		15	14	I	Passage Or				8715 x ET_		54 55 56 56-H	- IK-
liso available w tudio Collectio	ith Coastal Seri n Levers	es &	40	02	No outside (		eling Trim No Cylinde	- r)* Dummy T	rim	8740 x ET_		58 59 BC-5	- 59-
Jsed to order	on with Suff ET without do , 710, 713, 715	evice)	43	08		Freewhe y Outside L	eling Trim	- s Trim		8743 x ET_		76 85 86 87 AL	- - -
43, 744, 746, 7	73 & 774	, ,	46	09		Freewhe Inlocks Trim	eeling Trim , Trim retra	- cts latch/		8746 x ET_		BT CPC LD PL	C- -
he lever rotates	<b>g I rim</b> s when the doo	r is	70		relocks when	h key is rem lectrified E		2 11	lied	- 0770 FT		*SG TB Cylinder (	)- -
	ig excessive for ied to the horiz		73 74			Off, Unlock		-		8773 × ET_ 8774 × ET_		10 10-2 10-6	- ' !1-
	specified for thons: 73 and 74.	ne in 33 14/3 <b>Not</b> * Cy	2 or 32D to 32 or 15/32E e: AFF mean Inder Over		y. 32 or 32D is a finished trims Floor, center ith a 306 Aux C	automatical and stainles line of rail A Control	lly supplied ss exit devic Above Finisl	when 26 or 2 es.		nes, exit devices are sup ad. For nickel finishes, s		11-6 11-6 11-70 11-72 11-73 11-65-7 21 22	3- 4- -7P- -7P- -7P- 3-7P- 3-7P-
00 Series+- Auxiliary Cor	- ntrol & 862	Fu	RGENT Inction Imbers	ANSI Function Numbers	Desc	ription 8: (1-3/4	k Cylinde " Door)	r Info.		8700 Panic & Fire		51 52 60 63 64	- - -
	F	1	06	12		nlocks Turn 1 relocks wh #41 Cyline		moved		8710 x 306		70 72 73 65-7	- - '3-
1			10	02	(	862 F (Optional P	Pull Only ulls: 863 & 8	364)		8710 x 862		65-73 73-7 81 82	P- -
300 Series Aux. Contr		Pull	13	11	Key	y Outside U #41 Cyline	nlocks/lock der Supplie			8710 x 313		F1-8 83 F1-8	-
	ring 8700 Series		300 Series /		Tr letter designed	r <b>im Desi</b> g gnations trim	gnations (Ex "PTI	3″) when a	ordering	x 42" x 90"		84 BR LC SC SE * Only availa 15, 26D ar	- - - able wit
				• Use the s ordering	ix digit desi trim withou							finishes	10 520
SARGENT Function Numbers	ANSI Function Numbers	Descript Info. (1	ion & Cy I-3/4" Do					6	Ĵ	8700 Panic & Fire		Avail Finis SARGENT Finishes	hes BHM Finish
10	02	F (No	Pull Only Cylinder)*	810-F	LL 810-F	LW 8	10-MAL	810-PTB	810-ST	8710 x Trim Designation		03 04 09	605 606 611
28	15	Pas (No	sage Only cylinder)	828-F	LL 828-F	-LW 82	28-MAL	828-PTB	828-ST	8728 x Trim Designation		10 10B	612 613
62	06	Thumbpie Thumbpiece	cks Thumbpie ece retracts lat relocks when 4 Cylinder Sup	ch/ key is 866-F	LL 866-F	ELW 80	66-MAL	866-PTB	866-STS	8762 x Trim Designation		10BE 10BL 14 15	613 613 618 619
63	05	locks #34 Cyli	tside Unlock Thumbpiece inder Suppli	e 866-F ed				866-PTB		8763 x Trim Designation		20D 26 26D	624 625 626
lote: FLW trim is	le is available wit te trims for 62 an not available in numb piece trims	32(629) or 32	D(630).	identical and are 5, 26 or 26D.	identified as 60	6 function v	vhen trim is	ordered sep	arately.			32 32D BSP WSP	629 630

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## NB-8700 Top Latch Surface Vertical Rod Exit Device

## **80** Series



## **Specifications for NB-8700 Series Exit**

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ium suie
eded. Dor Dor Dor Dor Oor
for

- UL10C (Fire) and UL305 (Panic) Listed
- Tripping potential removed no bottom
- Rods are 1/2" (13mm) brass, bronze or stainless steel

## NB-300 Series Aux Control

- Available as an 06 or 13 function
- Supplied with SARGENT #41 Mortise Cylinder



• NB-300 is mounted in-line with the exit

chassis Note: NB 300 Series

Controls only work with NB8710 Devices

## 646 Top Strike

- Standard for both Panic & Fire (12-) Hardware
- Surface applied
- Fire Rated
- Black nylon coated



## NB-8700 Functions and Trims

## SARGENT **ASSA ABLOY**

## 80 Series

How to order: Options Se 12- NE	ries Functio 3-87 13	on Rail Lgth F		And Outside Finish 26D	Inside Finish 32D	Door Width 36"	Door He 84"	ight	<b>AFF</b> 41"
							(	Optio	ns
700 Series ET Trim Exits with ET Trim, specify lever design after the ET	SARGENT Function Numbers	ANSI Function Numbers		tion & Cylinder Info 1-3/4" Door)	N	ISI Type 2 IB-8700 nic & Fire)		NB-870	
designation (e.g., ETL)	06	09	Trim relo	ks Trim, Trim retracts latch/ ocks when key is removed 1 Cylinder Supplied	NB-	8706 x ET_		12- 16- 19- 31- 36-	
0	10	01	No outsic	de operation (No Cylinder)	Ν	VB-8710		37- 43- 53- 54-	
Lever Designs for ET Controls	10	02		de operation (No Cylinder) htrol is used as Pull Only	NB-	8710 x ET_		55- 56- 56-HK- 58- 59-	(-
A, B, E, F, J, L, P, W Also available with Coastal Series & Studio Collection Levers	13	08		ıtside unlocks/locks trim 1 Cylinder Supplied	NB-	8713 x ET_		76- 85- 86- 87-	
ET Designation with Suffix (Used to order ET without device)	15	14	Passa	age Only (No cylinder)	NB-	8715 x ET_		AL- BT- CPC- LD- PL-	
NB-8700 Series: 706-8, 710, 713-8, 715-8, 740, 743-8, 746-8, 773-8 & 774-8	40	02	No	reewheeling Trim - o outside operation Cylinder) Dummy Trim	NB-	8740 x ET_	Cyli	* SG- TB- inder Op 10-	otions:
Freewheeling Trim The lever rotates when the door is locked preventing excessive force	43	08	Key Ou	reewheeling Trim - tside Unlocks/locks Trim 1 Cylinder Supplied	NB-	8743 x ET_		10-21- 10-63- 11- 11-21- 11-60-	-
from being applied to the horizontal lever	46	09	Key unlock relock	reewheeling Trim - ks Trim, Trim retracts latch/ s when key is removed 1 Cylinder Supplied	NB-	8746 x ET_		11-63- 11-64- 11-70-71 11-72-71	- - 'P- 'P-
Electrified ET Trim Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC	73		Electri	ified ET Trim - Fail Safe Unlocks Lever (No Cylinder)*	NB-	8773 x ET_	1	11-73-71 11-65-73- 21- 22- 51-	
Spearly, 12400 01 24400	74			ied ET Trim - Fail Secure Locks Lever (No Cylinder)*	NB-	8774 x ET_		52- 60- 63- 64- 70-	

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel Inishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices Note: AFF means Above Finished Floor, center line of rail Above Finished Floor

Note: 12-NB8700 devices require thermal pins

Note: 12-NB Applications require thermal pin. Thermal Pin supplied when ordered as a 12-NB Device. \* Cylinder override is not available with NB-8700 Series Devices



NB-300 Series Auxiliary Control	SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	NB-8700 Panic & Fire	84 BF LC SC SE * Only avail	₹- 2- 2-
	06	12	Key unlocks Turn, Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied	NB-8710 x 306	15, 26D a finishes	nd 32D
NB300 Series Aux. Control	13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	NB-8710 x 313	Finis SARGENT Finishes 03	BHMA Finishes
		Example: NB-87	dering NB-8700 Series Exit Device x 300 Series Aux. Co 710F x NB-306 x RHR x 32D x 42" x 90" Series auxiliary controls are only used with NB-8710 De		04 09 10 10B 10BE	606 611 612 613 613E

Note: NB-300 Series auxiliary controls are only used with NB-8710 Devices. Auxiliary controls, ordered less hardware, for use with NB-8710 are specified as a NB-306 or NB-313 x finish.

70-72-73-65-73-65-73-7P-73-7P-

81-82-

F1-82-83-F1-83-84-

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10BL

14 15 20D 26 26D 32 32D BSP WSP

## MD8600(Windstorm Rated) and NB-MD8600 Concealed Vertical Rod Exit Device for Metal Doors

## 80 Series



ASSA ABLOY



#### Specifications for MD8600 & NB-MD8600 Series Exit

Door Type	Metal Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Cladding	Available for 1/4" on 1/2" panels. Specify 31- and panel thickness on order. Only available on 1-3/4" door thickness. Must be noted separately from door thickness on order string.
Stile	4-1/2" (114mm) minimum stile width
Rail sizes as determined by door width	<ul> <li>Rails are available in 4 sizes, use door width to determine size needed.</li> <li>Rails will be factory cut to size, if door width is supplied</li> <li>E Rail for 24" to 32" door widths, No cutting required for 32" door</li> <li>F Rail for 33" to 36" door widths, No cutting required for 36" door</li> <li>J Rail for 37" to 42" door widths, No cutting required for 42" door</li> <li>G Rail for 43" to 48" door widths, No cutting required for 48" door</li> </ul>
Strike	650 Top Strike & 606 Bottom Strike (Panic and Fire Rated)
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied
Electric Options	AL- Alarm PL- SARGuide™ Photoluminescent Coated 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with machine screws
Top Bolt	Stainless steel
Device Centerline from Finished Floor	41" (1041mm) for Standard Applications 38" (965mm) for elementary schools
Door/Opening Height	Must be specified - 120" (3048mm) Max Door Opening 96" max door height for HC and WS options
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76mm) Pushbar Depressed – 2-1/8" (54mm)
Fire Exit Hardware	See Chart – Page 6

#### Notes:

- MD8600 & 12-MD8600 can be used as NB- Device by simply not installing the bottom rod/bolt
- 12-NB Applications require thermal pin. Thermal Pin supplied when ordered as a 12-NB Device.
- Must include "WS" option in the order string to specify Windstorm Rated product.

#### 100 Series Aux Control

- Available as an 06 or 13 function
- Supplied with a SARGENT #41 Mortise Cylinder
- Can be used with any SARGENT Mortise Key System





650 Top Strike

#### 606 Bottom Strike

1-1/8"

(29mm)

2-1/2

(64mm)

- Furnished with
- expansion shields
- Mortised into floorStainless steel



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## MD8600 and NB-MD8600 Functions and Trims for Metal Doors 80 Series

## SARGENT **ASSA ABLOY**

How to order: Options Series 59-NB- MD86	Function 13	Rail Lgth F	<b>Trim</b> ETL	<b>Hand</b> RHR	Outside Finish 03	Inside Finish 03	Door Width 36"	Door Height 84"	<b>AFF</b> 41"	Options MD8600	
700 Series ET Trim Exits with ET Trim, specify	SARGENT Function Numbers	Func	tion	ANSI Type 8 Description & Cylinder Info MD8600 (1-3/4" Door) Panic & Fire					Mechanical Options: 12- 16-		
lever design after the ET designation (e.g., ETL)	06	0'	9		unlocks Trim, Trin m relocks when ke #41 Cylinder S	ey is removed	MD	8606 x ET_		19- 31- 36- 37- 43-	
0	10	0	1	No	outside operation	(No Cylinder)*	1	MD8610		53- 54- 55- 56-	
Lever Designs for ET	10	02	2		outside operation T Control is used		MD	8610 x ET_		56-HK- 5LH 58- 59-	
Controls A, B, E, F, J, L, P, W Also available with Coastal Series &	13	08 Key Outside Unlocks/locks Trim #41 Cylinder Supplied MD8613 x ET_							BC-59- 76- 85- 86- 87-		
Studio Collection Levers ET Designation with Suffix (Used to order ET without	15	14	4		Passage Only (No	o cylinder)	MD	8615 x ET_		AL- BT- CPC- HC-	
device) MD8600 & NB-MD8600 Series: 706-4, 710-4, 713-4, 715-4, 740-4,	- 40	02	2		Freewheeling No outside Op (No Cylinder)** Di	eration	MD	8640 x ET_		LD- NB- PL- * SG- WS-	
743-4, 746-4, 773-4, & 774-4	43	0	В	K	Freewheeling ey Outside Unlock #41 Cylinder S	s/locks Trim	MD	8643 x ET_		Cylinder Options: 10- 10-21- 10-63-	
Freewheeling Trim The lever rotates when the door is locked preventing excessive force from being applied to the horizontal	46	04	9		Freewheeling unlocks Trim, Trim m relocks when ke #41 Cylinder S	n retracts latch/ ey is removed	MD	8646 x ET_		11- 11-21- 11-60- 11-63- 11-64-	
lever Electrified ET Trim	73				Electrified ET Trim r Off, Unlocks Leve	ı - Fail Safe	MD	8673 x ET_		11-70-7P- 11-72-7P- 11-73-7P- 11-65-73-7P- 21-	
Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC	74				lectrified ET Trim er Off, Locks Leve		MD	8674 x ET_		22- 51- 52- 60-	
					d finishes, except 14, 2 or 32D is automatic					63- 64-	

supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices.

**Note:** AFF means Above Finished Floor, center line of rail Above Finished Floor. \* Cylinder Override is available with a 106 Aux Control

Example Order: MD8673F 12V x ETMG x 106 x RHR x 32D x 36" w x 84" h

**Note:** NB8774 or NB8773 with 306 Aux needs to be ordered as a special request labeled "Alternate Construction". When ordered as a pair the inactive leaf should be ordered this way as well. There will be different templating that applies.

100 Series Auxilia & 862 Pull	ary Control*	SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	MD8600 Panic & Fire	* Only avai 15, 26D a finishes	
		06	12	Key unlocks Turn, Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied	MD8610 x 106	Avail Finis	
				862 Pull Only		SARGENT Finishes	Finishes
		10	02	(Optional Pulls: 863 & 864)	MD8610 x 862 Pull	03 04 09	605 606 611
100 Series Aux. Control	862 Pull	13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	MD8610 x 113	10 10B 10BE 10BL 14	612 613 613E 613L 618
			ering MD8600/NE 10F x 106 x RHR x	3-MD8600 Series Exit Device x 100 Series Aux. Control 32D x 42" x 90"	, specify 10 Function for the exit.	15 20D	619 624

Note: When ordering MD8600/NB-MD8600 Series Exit Device x 100 Series Aux. Control, specify 10 Function for the exit. Example: MD8610F x 106 x RHR x 32D x 42" x 90"

70-72-73-65-73-

65-73-7P-73-7P-

81-

82-F1-82-83-

F1-83-84-BR-LC-SC-SE-

15 20D 26 26D

32 32D

BSP WSP 625 626 629

630

9

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## AD8600 and NB-AD8600 Concealed Vertical Rod Exit Device for Aluminum Doors

80 Series

## AD8600 Series

for Aluminum Doors

Concealed Vertical Rod Exit Device

## Features

- Designed for standard width stile applications on aluminum doors
- Concealed rods for security and aesthetics
- Single and double door applications
- Specify NB- for less bottom rod
- Devices are ANSI/BHMA A156.3 Grade 1

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• UL305 (Panic) listed only

Aluminum Doors
1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Available for 1/4" on 1/2" panels. Specify 31- and panel thickness on order. Only available on 1-3/4" door thickness. Must be noted separately from door thickness on order string.
4-1/2" (114mm) minimum stile width
<ul> <li>Rails are available in 4 sizes, use door width to determine size needed.</li> <li>Rails will be factory cut to size, if door width is supplied</li> <li>E Rail for 24" to 32" door widths, No cutting required for 32" door</li> <li>F Rail for 33" to 36" door widths, No cutting required for 36" door</li> <li>J Rail for 37" to 42" door widths, No cutting required for 42" door</li> <li>G Rail for 43" to 48" door widths, No cutting required for 48" door</li> </ul>
640 Strikes for Top & Bottom Strike
Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
AL- Alarm PL- SARGuide™ Photoluminescent Coated 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Supplied standard with machine screws
Stainless steel
41" (1041mm) for Standard Applications 38" (965mm) for elementary schools
Must be specified - 120" (3048mm) Max Door Opening
8-3/8" (213mm) x 2-5/8" (67mm)
Pushbar Neutral – 3" (76mm) Pushbar Depressed – 2-1/8" (54mm)
Not Available

## Specifications for AD8600 & NB-AD8600 Series Exit



Note: AD8600 can be used as NB- Device by simply not installing the bottom rod/bolt

## 100 Series Aux Control

- Available as an 06 or 13 function
- Supplied with a SARGENT #41 Mortise Cylinder
- Can be used with any SARGENT Mortise Key System



## 639/640 Strike Kits

- Steel with Black Nylon Coating
- Machine Screws Supplied
- 640 Kit contains 2 strikes (Top & Bottom)
- 639 Kit contains 1 strike (Top Only)



(30.73mm)

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## AD8600 and NB-AD8600 Functions and Trims for Aluminum Doors

**80** Series

How to order: Options 56-NB- AE	<b>ries F</b> D86	unction 13	Rail Lgth F	<b>Trim</b> ETL	Hand RHR	Outside Finish 15	Inside Finish 32D	Door Width 36"	Door Height 84"	<b>AFF</b> 41"	Options AD8600
700 Series ET Trim Exits with ET Trim, spec		SARGEN <sup>T</sup> Function	Fund	tion	I	Description &			ISI Type 8 AD8600		Mechanical Option
lever design after the ET designation (e.g., ETL)	T 📃	Numbers 06	s Num			<b>(1-3/4"</b> unlocks Trim, Tri m relocks when k #41 Cylinder S	m retracts latch/ acy is removed	AD	<b>Panic</b> 8606 x ET_		19- 31- 36- 37- 43-
0		10	0	1	No	outside operatior	n (No Cylinder)*	,	AD8610		53- 54- 55- 56- 56-HK-
Lever Designs for ET		10	02	2		outside operatior T Control is used		AD	8610 x ET_		5LH 58- 59- BC-59-
Controls A, B, E, F, J, L, P, W Also available with Coastal Serie	s &	13	08	8	K	ey Outside Unloc #41 Cylinder S		AD	8613 x ET_		76- 85- 86- 87-
Studio Collection Levers ET Designation with Suffix (Used to order ET without	x	15	14	4		Passage Only (N	lo cylinder)	AD	8615 x ET_		AL- BT- CPC- LD- NB-
device) AD8600 & NB-AD8600 Series: 706-4, 710-4, 713-4, 715-4, 740-	4	40	02	2		Freewheeling No outside of (No Cylinder)* D	peration	AD	8640 x ET_		PL- * SG- Cylinder Option 10-
743-4, 746-4, 773-4, & 774-4	.,	43	0	8	K	Freewheeling ey Outside Unloc #41 Cylinder S	ks/locks Trim	AD	8643 x ET_		10-21- 10-63- 11- 11-21-
The lever rotates when the door locked preventing excessive forc from being applied to the horizo lever	e	46	04	9		Freewheeling unlocks Trim, Trii m relocks when k #41 Cylinder S	m retracts latch/ acy is removed	AD	8646 x ET_		11-60- 11-63- 11-64- 11-70-7P- 11-72-7P- 11-72-7P-
Electrified ET Trim		73				Electrified ET Trir r Off, Unlocks Lev	n - Fail Safe ver (No Cylinder)*	. AD	8673 x ET_		11-73-7P- 11-65-73-7P- 21- 22- 51-
Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC		74				lectrified ET Trim er Off, Locks Leve		AD	8674 x ET_		51- 52- 60- 63- 64-
	No	ote: Exit de	vices are ava	ilable in a	III standard	finishes, except 14	, 15, 26 & 26D. With	these finishes, ex	kit devices are		64- 70- 72

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices Note: AFF means Above Finished Floor, center line of rail Above Finished Floor \* Cylinder Override is available with a 106 Aux Control

Example Order: AD8673F 12V x ETMG x 106 x RHR x 32D x 36"w x 84"h

SARGENT ANSI AD8600 100 Series Auxiliary Control\* Function Function **Description & Cylinder Info** Numbers Numbers (1-3/4" Door) Panic & 862 Pull Key unlocks Turn, Turn retracts latch/ 06 12 Turn relocks when key is removed AD8610 x 106 #41 Cylinder Supplied 862 Pull Only 10 02 AD8610 x 862 Pull (Optional Pulls: 863 & 864) 100 Series Aux 862 Pull Key Outside Unlocks/locks Turn 13 11 AD8610 x 113 Control #41 Cylinder Supplied SARGENT

> Note: When ordering AD8600/NB-AD8600 Series Exit Device x 100 Series Aux. Control, specify 10 Function for the exit. Example: AD8610F x 106 x RHR x 32D x 42" x 90"

# ns:

72-73-

65-73-65-73-7P-

73-7P-

81-82 F1-82-83-F1-83-

84-BR-

LC-SC-SE-

внма

Finishes

605

606

611 612

613

613E

613L

626 629 630

finishes

Finishes

03

04

09

10 10B

10BE

10BL

14 15

20D 26 26D 32 32D

BSP WSP

## WD8600 and NB-WD8600 Concealed Vertical Rod Exit Device for Wood Doors

SARGENT ASSA ABLOY



Specifications for WD8600 & NB-WD8600 Series Exit

#### Features

- Designed for standard width stile applications on wood doors
- Concealed rods offer security
- Single and double door applications
- Specify NB- for less bottom rod
- Devices are ANSI/BHMA A156.3 Grade 1
- UL10C (Fire) and UL305 (Panic) listed

Door Type	Wood Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Cladding	Available for 1/4" on 1/2" panels. Specify 31- and panel thickness on order. Only available on 1-3/4" door thickness. Must be noted separately from door thickness on order string.
Stile	4-1/2" (114mm) minimum stile width
Rail sizes as determined by door width	<ul> <li>Rails are available in 4 sizes, use door width to determine size needed.</li> <li>Rails will be factory cut to size, if door width is supplied</li> <li>E Rail for 24" to 32" door widths, No cutting required for 32" door</li> <li>F Rail for 33" to 36" door widths, No cutting required for 36" door</li> <li>J Rail for 37" to 42" door widths, No cutting required for 42" door</li> <li>G Rail for 43" to 48" door widths, No cutting required for 48" door</li> </ul>
Strike	650 Top Strike & 606 Bottom Strike (Panic and Fire Rated)
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide™ Photoluminescent Coated 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with wood screws
Top Bolt	Stainless steel
Device Centerline from Finished Floor	41" (1041mm) for Standard Applications 38" (965mm) for elementary schools
Door/Opening Height	Must be specified - 108" (2743mm) Max Door Opening - Fire rated doors 120" (3048mm) Max Door Opening - Non-fire rated doors
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76mm) Pushbar Depressed – 2-1/8" (54mm)
Fire Exit Hardware	See Chart – Page 6

Note: WD8600 & 12-WD8600 can be used as NB- Device by simply not installing the bottom rod/bolt Note: 12-NB applications require thermal pin. Thermal pin supplied when ordered as a 12-NB device

#### 100 Series Aux Control

- Available as an 06 or 13 function
- Supplied with a SARGENT #41 Mortise Cylinder
- Can be used with any SARGENT Mortise Key System



## 650 Top Strike



- For application in hollow metal frames
- Stainless steel

#### 606 Bottom Strike



- Furnished with expansion shields
- Mortised into floor
- Stainless steel

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80 Series

## WD8600 and NB-WD8600 Functions and Trims for Wood Doors

## **80 Series**

## SARGENT

## **ASSA ABLOY**

How to order: Options Series 58-NB- WD86	Function Ra	<b>il Lgth Trim</b> F ETL	Hand Outside Finish Inside Finish Do RHR 26D 32D	oor WidthDoor HeightAFF36"84"41"	Options WD8600
700 Series ET Trim Exits with ET Trim, specify lever design after the ET	SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 7 WD8600 Panic & Fire	Mechanical Options: 12- 16- 19-
designation (e.g., ETL)	06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	WD8606 x ET_	31- 36- 37- 43-
0	10	01	No outside operation (No Cylinder)*	WD8610	53- 54- 55- 56- 56-HK-
Lever Designs for ET Controls	10	02	No outside operation (No Cylinder)* ET Control is used as Pull Only	WD8610 x ET_	5LH 58- 59- BC-59-
A, B, E, F, J, L, P, W Also available with Coastal Series & Studio Collection Levers	13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	WD8613 x ET_	76- 85- 86- 87- AL-
ET Designation with Suffix (Used to order ET without device) MD8600 & NB-MD8600 Series:	15	14	Passage Only (No cylinder)	WD8615 x ET_	AL- BT- CPC- LD- NB-
706-4, 710-4, 713-4, 715-4, 740-4, 743-4, 746-4, 773-4, & 774-4	40	02	Freewheeling Trim - No outside operation (No Cylinder)* Dummy Trim	WD8640 x ET_	PL- * SG- <b>Cylinder Options:</b> 10-
Freewheeling Trim The lever rotates when the door is locked preventing excessive force	43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	WD8643 x ET_	10-21- 10-63- 11- 11-21- 11-60-
from being applied to the horizontal lever <b>Electrified ET Trim</b>	46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	WD8646 x ET_	11-63- 11-64- 11-70-7P- 11-72-7P- 11-73-7P-
Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC	73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*	WD8673 x ET_	11-65-73-7P- 21- 22- 51-
	74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*	WD8674 x ET_	52- 60- 63- 64- 70-
	supplied in 32 of finishes, specify	or 32D to match a 14/32 or 15/32D	in all standard finishes, except 14, 15, 26 & 26D. With the iccordingly. 32 or 32D is automatically supplied when 26 to receive nickel finished trims and stainless exit devices d Floor, center line of rail Above Finished Floor	or 26D is specified. For nickel	70- 72- 73- 65-73- 65-73-7P- 73-7P-

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices. **Note:** AFF means Above Finished Floor, center line of rail Above Finished Floor Cylinder Override is available with a 106 Aux Control

Example Order: WD8673F 12V x ETMG x 106 x RHR x 32D x 36"w x 84"h

100 Series Auxiliary Control* & 862 Pull		SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	WD8600 Panic & Fire
	7	06	12	Key unlocks Turn, Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied	WD8610 x 106
		10	02	862 Pull Only (Optional Pulls: 863 & 864)	WD8610 x 862 Pull
100 Series Aux. Control	862 Pull	13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	WD8610 x 113

Note: When ordering WD8600/NB-WD8600 Series Exit Device x 100 Series Aux. Control, specify 10 Function for the exit. Example: WD8610F x 106 x RHR x 32D x 42" x 90"

WSP

Available **Finishes** 

73-7P-81-

82-F1-82-83-F1-83-84-BR-LC-SC-SE-\* Only available with 15, 26D and 32D finishes



08/24

## 8500 Narrow Design Rim Exit Device 80 Series

# SARGENT



## Specifications for 8500 Series Exit

#### 8500 Features

- Designed for narrow stile applications (e.g., aluminum frame full glass doors)
- Single and double doors with mullion
- Single point rim latching device
- Quiet operation and solid security
- Devices are ANSI/BHMA A156.3 Grade 1
- UL10C (Fire) and UL305 (Panic) listed

Door Type	Wood or metal Doors	604 Wear Plate Kit
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 5" thick, specify thickness and order as 31- (see page 67 for function limitation)	Designed for use with narrow stile aluminum doors
Stile	2" (114mm) minimum stile (Less Trim)	Field cut to accommodate     O     Il door frame face sizes     O
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths • F Rail for 33" to 36" door widths • J Rail for 37" to 42" door widths • G Rail for 43" to 48" door widths	649 Standard Strike for 12-8500
Strike	657 Strike, Supplied standard for panic devices 656 Strike, Supplied standard for panic devices 649 Strike, Supplied standard for fired rated devices Optional Strikes – 649, 658 Standard with 650A Mullion	Surface applied     Black nylon coated
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)	
Electric Options	AL- Alarm PL- SARGuide™ Photoluminescent Coated 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress	
Mounting Fasteners	Supplied standard with wood and machine screws Available with through-bolts and mortise (sex) nuts	Order as a 651 Kit
Latch Bolt	Stainless steel, 3/4" (19mm) throw	
Device Centerline from Finished Floor	41" (1041 mm) for Standard Applications	656 Mullion Strike
Center Case Dimensions	8-5/16" (211mm) x 1-1/16" (27mm)	Surface applied
Projection	Pushbar Neutral – 3" (77mm) Pushbar Depressed – 2-1/8" (54mm)	Use with 980 mullions
Fire Exit Hardware	See Chart – Page 6	Black nylon coated

## 668 Shim Kits for 8500

- Two Chassis Shims and Two End Cap Shims
- Shims are 1/8" for a total height of 1/4"



## 657 Standard Strike for 8500

Surface
 or mori
 For use
 blade s

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- Surface applied or mortised
- For use on frames with blade stop or integral stop
- Black nylon coated

## 658 Strike alternative for 8500

 Packed standard with 650A mullion



• Black nylon coated

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## 8500 Narrow Design Rim Exit Device Functions & Trim

## SARGENT

## ASSA ABLOY

## 80 Series

How to order:	Options F1-83-56	Series 85	Function 13	Rail Lgth F	<b>Trim</b> ETL	Hand RHR	Outside Finish 15	Inside Finish 32D	Door Width 36"
lever des	ET Trim, specify ign after the ET		on Function	Description 8	c Cylinder Inf	o. (1-3/4" Door)	ANSI T 850 Pan	0	Options 8500
designati	on (e.g., ETL)	04*	03		Night Latch Key Retracts La #34 Cylinder Sup	tch	8504 x	ET_	Mechanical Option 12- 16- 19- 31- 36-
		06	09	Trim r	ocks Trim, Trim re elocks when key #41 Cylinder Sup	s removed	8506 x	ET_	37- 43- 53- 54- 55-
L. D. i		10	01	No out	tside operation (N	lo Cylinder)	851	0	56- 56-HK-
A, B, E, F, J, L, P, V	V	<u>s</u> 10	02		tside operation (N Control is used as		8510 x	ET_	58- 59- 5CH- BC-59-
Also available with Studio Collection I	evers	13	08		Outside Unlocks/I #41 Cylinder Sup		8513 x	ET_	76- 85- 86- 87-
ET Designation (Used to order E 8500 Series: 704, 7	T without device	<u>)</u> 15	14	Pa	ssage Only (No c	ylinder)	8515 x	ET_	AL- BT- CPC- GL-
715-8, 740, 743-8, & 774-8	744, 746-8, 773-8	40	02	(N	Freewheeling Tr No outside opera o Cylinder) Dumr	ation	8540 x	ET_	LD- PL- * SG- Cylinder Options 10-
The lever rotates w locked preventing from being applied	hen the door is excessive force	43	08		Freewheeling Tr Outside Unlocks/I #41 Cylinder Sup	ocks Trim	8543 x	ET_	10-21- 10-63- 11- 11-21- 11-60-
lever		44	03		Freewheeling Tr Key Retracts La #34 Cylinder Sup	tch	8544 x	ET_	11-63- 11-64- 11-70-7P- 11-72-7P- 11-73-7P-
Voltage must be s following functions	Electrified ET Trim Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC		09	Trim r	Freewheeling Tr ocks Trim, Trim re elocks when key #41 Cylinder Sup	etracts latch/ s removed	8546 x	ET_	11-75-77- 11-65-73-7P- 21- 22- 51- 52- 60- 63-
					ctrified ET Trim - f, Unlocks Lever (		8573 x	ET_	63- 64- 70- 72-
		74			trified ET Trim - F off, Locks Lever (N		8574 x	ET_	73- 65-73- 65-73-7P-
		supplied in	32 or 32D to ma	tch accordingly. 32	or 32D is automa		n these finishes, exit de 26 or 26D is specified. vices		73-7P- 81- 82- F1-82- 83-

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
 \* Consult factory when using with cylinders from other manufacturers
 \*\* Cylinder override is not available with 8500 Series Devices

SARGENT FunctionANSI FunctionPull Trim SectionNumbers0403		Trim designations Description & Cylinder	Series	15, 26D a finishes <b>Avail</b>	* Only available with 15, 26D and 32D finishes Available Finishes	
Pull Trim Section	Numbers	Numbers	Info. (1-3/4" Door)	8500 Panic	SARGENT	внма
<b>1</b>	04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	8504 x 862 Pull only	Finishes 03 04	Finishes 605 606
862 Pull	10	02	862 Pull Only (Optional Pulls: 863 & 864)	8510 x 862 Pull only	09 10 10B 10BE 10BL	611 612 613 613E

ailable nishes								
Т	BHMA Finishes							
	605 606 611 612 613 613E 613L 618 619 624 625 626 629 630 —							

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14 15 20D 26 26D 32 32D BSP WSP

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## AD8500 Narrow Design Rim Exit Device for Aluminum Doors

## 80 Series

Door Type

Door Thickness



Aluminum Doors

## **Specifications for AD8500 Series Exit**

#### limitation) 2" (114mm) minimum stile (Less Trim) Stile Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths • F Rail for 33" to 36" door widths • J Rail for 37" to 42" door widths • G Rail for 47" to 48" door widths Rail sizes as determined by door width • G Rail for 43" to 48" door widths Strike 657 Strike, Supplied standard for panic devices 656 Strike, Supplied standard for panic devices 649 Strike, Supplied standard for fired rated devices Optional Strikes – 649, 658 Standard with 650A Mullion Hex key dogging standard; specify 16- for cylinder dogging (#41 cylinder supplied) **Dogging Feature** AL- Alarm **Electric Options** PL- SARGuide™ Photoluminescent Coated 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress **Mounting Fasteners** Supplied standard with wood and machine screws Available with through-bolts and mortise (sex) nuts Latch Bolt Stainless steel, 3/4" (19mm) throw Device Centerline from Finished Floor 41" (1041 mm) for Standard Applications Center Case Dimensions 8-5/16" (211mm) x 1-1/16" (27mm) Pushbar Neutral – 3" (77mm) Pushbar Depressed – 2-1/8" (54mm) Projection

1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 5"

thick, specify thickness and order as 31- (see page 67 for function

## 535 Kit for Windstorm Applications (WS-AD8500)

- Two Chassis Shims and Two End Cap Shims • Shims are 1/8" for
- a total height of 1/4"
- 649 Strike Pack
- 651 Stabilizer Kit



## AD8500 Features

- Designed for narrow stile applications (e.g., aluminum frame full glass doors)
- Single and double doors with mullion
- Single point rim latching device
- Quiet operation and solid security
- Devices are ANSI/BHMA A156.3 Grade 1
- Available Windstorm-rated: order WS-

## 657 Standard Strike for 8500

• Surface applied or mortised O

- For use on frames with blade stop or
- integral stop Black nylon coated

## 651 Mullion Stabilizer Kit



- Stabilizer block
- Furnished standard w/650A Mullion
- Order as a 651 Kit

## 656 Mullion Strike

- Surface applied
- Use with 980 mullions
- Black nylon coated

## 604 Wear Plate Kit



 Accommodates all sizes of door frame face



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## AD8500 Narrow Design Rim Exit Device Functions & Trim

SARGENT ASSA ABLOY

## 80 Series

How to order:	<b>Options</b> F1-83-56	Series F AD85	unction 13	Rail Lgth F	<b>Trim</b> ETL	Hand RHR	Outside Finish 15	Inside Finish 32D	Door Width 36"
	T Trim, specify		Function				ANSI T AD8	500	Options AD8500
lever design afte designation (e.g.		Numbers 04*	03		<b>Cylinder Inf</b> Night Latch Key Retracts La #34 Cylinder Sup	tch	Pan AD8504		Mechanical Options 12- 16- 19- 31- 36-
		06	09	Trim re	ocks Trim, Trim r elocks when key #41 Cylinder Sup	is removed	AD8506	× ET_	37- 43- 53- 54- 55- 56-
Lever Designs fo	r ET Controls	10	01	No out	side operation (N	No Cylinder)	AD85	510	56-HK- 58-
A, B, E, F, J, L, P, W		10	02		side operation (N ontrol is used as		AD8510	x ET_	59- 5CH- BC-59-
Also available with Co Studio Collection Lev	rers	13	08		Dutside Unlocks/ #41 Cylinder Sup		AD8513	× ET_	76- 85- 86- 87-
ET Designation w (Used to order ET v	vithout device)	15	14	Pa	ssage Only (No c	ylinder)	AD8515	x ET_	AL- BT- CPC- GL-
AD8500 Series: 704, 1 713-8, 715-8, 740, 74 773-8 & 774-8	3-8, 744, 746-8,	40	02		Freewheeling Tr No outside oper o Cylinder) Dumr	ation	AD8540	× ET_	LD- PL- * SG- WS- <b>Cylinder Options:</b>
Freewheeling Tri The lever rotates whe locked preventing exit from being applied to	n the door is cessive force	- 43	08		Freewheeling Tr Dutside Unlocks/ #41 Cylinder Sup	locks Trim	AD8543	x ET_	10- 10-21- 10-63- 11- 11-21-
lever		44	03	:	Freewheeling Tr Key Retracts La #34 Cylinder Sup	tch	AD8544	x ET_	11-60- 11-63- 11-64- 11-70-7P- 11-72-7P-
Electrified ET Trim Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC		46	09	Trim re	Freewheeling Tr ocks Trim, Trim r elocks when key #41 Cylinder Sup	etracts latch/ is removed	AD8546	x ET_	11-73-7P- 11-65-73-7P- 21- 22- 51- 52- 60-
		73			trified ET Trim - , Unlocks Lever (		AD8573	x ET_	63- 64- 70-
		74			rified ET Trim - F ff, Locks Lever (N		AD8574	x ET_	72- 73- 65-73- 65-73-7P-
		supplied in 3	2 or 32D to ma	tch accordingly. 32	or 32D is autom		n these finishes, exit de n 26 or 26D is specified vices		65-73-7P- 73-7P- 81- 82- F1-82-

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
 \* Consult factory when using with cylinders from other manufacturers
 \*\* Cylinder override is not available with AD8500 Series Devices

BR-LC-SC-SE-Series \* Only available with 15, 26D and 32D finishes **Trim designations** SARGENT ANSI Available Function Function Description & Cylinder **Finishes Pull Trim Section** Numbers Numbers Info. (1-3/4" Door) AD8500 Panic BHMA Finishes SARGENT Finishes Night Latch Key Retracts Latch #34 Cylinder Supplied AD8504 x 862 04 03 03 605 Pull only 04 09 10 606 611 AD8510 x 862 862 Pull Only (Optional Pulls: 863 & 864) 612 613 10 02 10B 862 Pull Pull only 10BE 613E 10BL 613L

F1-82-83 F1-83-84-

14 15 20D 26 26D

32 32D BSP

WSF

629 630

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Narrow Design Mortise Lock Exit Device

8300 Series

**80** Series

#### 8300 Features

• Designed for standard width stiles with a narrow design look

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- Through-bolted trim for quiet operation and security
- Single door applications
- Double door applications with Mortise Lock x Vertical Rod Device
- UL10C (Fire) and UL305 (Panic) listed •
- Devices are ANSI/BHMA A156.3 Grade 1

Door Type	Wood or metal doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Stile	4-1/2" (114mm) minimum stile width
Rail sizes as determined by door width	<ul> <li>Rails are available in 4 sizes, use door width to determine size needed.</li> <li>Rails will be factory cut to size, if door width is supplied</li> <li>E Rail for 24" to 32" door widths, No cutting required for 32" door</li> <li>F Rail for 33" to 36" door widths, No cutting required for 36" door</li> <li>J Rail for 37" to 42" door widths, No cutting required for 42" door</li> <li>G Rail for 43" to 48" door widths, No cutting required for 48" door</li> </ul>
Strike	C908 Standard Black Nylon Coated – ANSI Prep A115.1 Optional Strikes – 815 Open Back Strike or 908 Flat Lipped Strike with Black Nylon
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide Photoluminescent Coated 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with wood and machine screws Available with through-bolts and mortise(sex) nuts
Latch Bolt	Brass Nickel Plated, 3/4" (19mm) throw, anti-friction
Guarded/Deadlatch	Brass, sliding type
Device Centerline from Finished Floor	41" (1041 mm) for Standard Applications
Center Case Dimensions	8-5/16" (211mm) x 1-1/16" (27mm)
Projection	Pushbar Neutral – 3" (76mm) Pushbar Depressed – 2-1/8" (54mm)
Fire Exit Hardware	See Chart – Page 6

#### C908 Standard Strike

- Curved lip ANSI A-115.1
- Handed. 1-1/4" (32mm) lip standard





#### Pair of Doors



#### 815 Open Back Strike



- ANSI A-115.14 Open Back ٠
- Beveled 1/8" (3mm) in 2" (51mm)
- Specify hand of active door •
- Black nylon coat
- "B" label



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## Specifications for 8300 Mortise Lock Exit

# 8300 Narrow Design Mortise Lock Exit Device Functions & Trim 80 Series

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	ries Functi 3 13	on RailLgt F	h Trim Hand Outside Finish In ETL RHR 26D	side Finish Door Width 32D 36"	Options 8300
700 Series ET Trim	SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 10 8300 Panic & Fire	Mechanical Options: 12- 16- 19-
Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)	04	03	Night Latch Key Retracts Latch #46 Cylinder Supplied	8304 × ET_	23- *31 36- 37- 43- 53-
	10	01	No outside operation (No Cylinder)	8310	54- 55-
0	10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	8310 x ET_	56- 56-HK- 58-
Lever Designs for ET Controls	13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8313 x ET_	59- BC-59- 76- 85- 86-
A, B, E, F, J, L, P, W Also available with Coastal Series &	15	14	Passage Only (No cylinder)	8315 x ET_	87- AL- BT-
Studio Collection Levers ET Designation with Suffix (Used to order ET without device)	40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	8340 x ET_	LD- **** SG- <b>Cylinder Options:</b> 10- 10-21- 10-63-
8300 Series: 704, 710, 713, 715, 740, 743, 744, 773, 774, 775 & 776 Freewheeling Trim	43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8343 x ET_	11- 11-21- 11-60- 11-63-
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal	- 44	03	Freewheeling Trim - Key Retracts Latch For 1-3/4" Door #46 Cylinder Supplied	8344 x ET_	11-64- 11-70-7P- 11-72-7P- 11-73-7P- 11-65-73-7P- 21-
lever Electrified ET Trim and Electrified Mortise Locks Voltage must be specified for the	75*		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever, Key Retracts Latch For 1-3/4" Door #46 Cylinder Supplied	8375 x ET_	22- 51- 52- 60- 63-
following functions: 73, 74, 75 and 76. Specify: 12VDC or 24VDC	76**		Electrified ET Trim - Fail Secure Power Off, Locks Lever, Key Retracts Latch For 1-3/4" Door #46 Cylinder Supplied	8376 x ET_	64- 70- 72- 73- 65-73- 65-73-79-
	supplied in 32 c finishes, specify * 75 Function w	or 32D to match a 14/32 or 15/32D ithout cylinder is a	n all standard finishes, except 14, 15, 26 & 26D. With th ccordingly. 32 or 32D is automatically supplied when 26 to receive nickel finished trims and stainless exit device available as a 73 Function available as a 74 Function	6 or 26D is specified. For nickel	73-7P- 81- 82- F1-82- 83- F1-83- 84- BR-
Pull & Thumbpiece Trim Secti		<ul> <li>ordering th</li> <li>Use the six when order</li> </ul>	<b>Trim designations</b> etter designations (Ex "PTB") when e Exit Device with trim digit designation (Ex "866-MAL") ring trim without an Exit Device, cify finish & hand		LC- *SE- *SE- *Options are not available with the following functions: 04, 44, 75 & 76 *For SC- & SE- options contact factory for
Function Function Cylind	ption & er Info. " Door)	6 ]		8300 Panic & Fire	availability *** Only available with 15, 26D and 32D finishes
	-Key Retracts Latch	814-FU 8	14-FIW 814-MAI 814-PTB 814-STS	8304 x Trim	Available Finishes

	04	03	Night Latch-Key Retracts Latch #41 Cylinder Supplied	814-FLL	814-FLW	814-MAL	814-PTB	814-STS	8304 x Trim	Finis	shes
			#41 Cylinder Supplied						Designation	SARGENT Finishes	BHMA Finishes
	10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	8310 x Trim Designation	03 04	605 606 611
	28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STS	8328 x Trim Designation	09 10 10B 10BE	612 613 613E
	63	05	Key Outside Unlocks/locks Thumbpiece #41 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	8363 x Trim Designation	10BL 14 15 20D	613L 618 619 624
ז ז	Note: Thumb Note: FLW tri	oiece trims for e m is not availab	ed with Mortise Lock Exit Device 63 function devices are identifie ole in 32(629) or 32D(630) trims are not available in 14, 15	ed as 66 func		is ordered se	parately			26 26 26D 32 32D BSP	625 626 629 630

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## MD8400 and NB-MD8400 Narrow Stile Concealed Vertical Rod Exit Device for Metal Doors

80 Series

## SARGENT

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## MD8400 Series

Concealed Vertical Rod Exit Device for Metal Doors

Specifications for MD8400 &

NB-MD8400 Exit

## MD8400 & NB-MD8400 Features

- Designed for narrow stile applications (e.g., full glass doors)
- Concealed rods for security and aesthetics
- UL10C (Fire) and UL305 (Panic) listed
- Specify NB- for less bottom rod
- NB- Devices allows free access for wheelchairs and carts. No bottom strike eliminates tripping potential
- All functions determined by outside trim
- Devices are ANSI/BHMA A156.3 Grade 1

_		7	
Door Type	Hollow Metal Doors		
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-	- 12-MD8400	NB-12-MD8400
Cladding	Available for 1/4" on 1/2" panels. Specify 31- and panel thickness on order. Only available on 1-3/4" door thickness. Must be noted separately from door thickness on order string.		
Stile	1-3/4" (44mm) minimum stile width required. Stile must be hollow with inside dimension of at least 1-3/8" (35mm) square		
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths • F Rail for 33" to 36" door widths • J Rail for 37" to 42" door widths • G Rail for 43" to 48" door widths		
Strike	650 Top Strike & 606 Bottom Strike (Panic and Fire Rated)		
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)		
Electric Options	AL- Alarm PL- SARGuide™ Photoluminescent Coated 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging 59- Electroquard – Self Contained Delayed Egress		
Mounting Fasteners	Supplied standard with machine screws		
Top Bolt	Stainless steel		
Device Centerline from Finished Floor	41" (1041mm) for Standard Applications 38" (965mm) for elementary schools		
Door/Opening Height	Must be specified - 120" (3048mm) Max Door Opening		
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)		
Projection	Pushbar Neutral – 3" (76 mm) Pushbar Depressed – 2-1/8" (54mm)		
Fire Exit Hardware	See Chart – Page 6		
		-	

**Note:** MD8400 & 12-MD8400 can be used as NB- device by simply not installing the bottom rod/bolt **Note:** 12-NB applications require thermal pin. Thermal pin supplied when ordered as a 12-NB device

## 100 Series Aux Control

- Available as an 06 or 13 function
- Supplied with a SARGENT #41 Mortise Cylinder
- Can be used with any SARGENT Mortise Key System



## 650 & 652 Strike Packs



- Stainless steel
- 650 & 652 Strike Packs contain the same strike
- 650 Strike Pack contains 1 strike for Top Bolt
- 652 Strike Pack contains 2 strikes for Top & Bottom

#### 606 Bottom Strike (12-)



- Furnished with expansion shields
- Mortised into floor
- Stainless steel
- Bottom strike for 12-MD8400

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## MD8400 and NB-MD8400 Functions and Trims for Metal Doors

## **80 Series**

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00 Series ET Trim	SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 6 8400 Panic & Fire	Mechanical Op 12- 16- 19-
Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)	06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	MD8406 x ET_	31- 36- 37- 43-
	10	01	No outside operation (No Cylinder)*	MD8410	53- 54- 55- 56- 56-HK-
	10	02	No outside operation (No Cylinder)* ET Control is used as Pull Only	MD8410 x ET_	5LH 58- 59- BC-59-
ever Designs for ET Controls , B, E, F, J, L, P, W so available with Coastal Series & udio Collection Levers	13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	MD8413 x ET_	76- 85- 86- 87- AL-
T Designation with Suffix Ised to order ET without device)	15	14	Passage Only (No cylinder)	MD8415 x ET_	BT- CPC- LD- NB-
D8400 & NB-MD8400 Series: 706- 710-4, 713-4, 715-4, 740-4, 743-4, 16-4, 773-4, & 774-4	40	02	Freewheeling Trim - No outside operation (No Cylinder)* Dummy Trim	MD8440 x ET_	PL- * SG- <b>Cylinder Opt</b> 10- 10-21-
reewheeling Trim	43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	MD8443 x ET_	10-21- 10-63- 11- 11-21- 11-60-
cked preventing excessive force om being applied to the horizontal ver	46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	MD8446 x ET_	11-63- 11-64- 11-70-7P- 11-72-7P- 11-73-7P-
ectrified ET Trim	73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)* Specify: 12VDC or 24VDC	MD8473 x ET_	11-65-73-7 21- 22- 51- 52-
oltage must be specified for the ollowing functions: 73 and 74. pecify: 12VDC or 24VDC	74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)* Specify: 12VDC or 24VDC	MD8474 x ET_	60- 63- 64- 70- 72-

supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices Note: AFF means Above Finished Floor, center line of rail Above Finished Floor \* Cylinder Override is available with a 106 Aux Control Example Order: MD8473F 12V x ETMG x 106 x RHR x 32D x 36"w x 84"h

100 Series Auxilia & 862 Pull	ary Control*	SARGENT Function Numbers	ANSI Function Numbers		MD8400 Panic & Fire	B Lt Si S * Only avai
		06	12	Key unlocks Turn, Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied	MD8410 x 106	15, 26D a finishes
1		10	02	862 Pull Only (Optional Pulls: 863 & 864)	MD8410 x 862 Pull	Avai Fini
100 Series Aux. Control	862 Pull	13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	MD8410 x 113	SARGENT Finishes
		<b>Note:</b> When orde Example: MD841		ies Exit Device x 100 Series Aux. Control, specify 10 Fi 32D x 42" x 90"	unction for the exit.	04 09 10 10B

82-F1-82-83-F1-83-

84-BR-LC-SC-SE-

10BE

10BL

14 15 20D 26 26D

32 32D BSP WSP

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## AD8400 and NB-AD8400 Narrow Stile Concealed Vertical Rod Exit Device for Aluminum Doors

**Concealed Vertical Rod Exit Device** 

**80** Series

## AD8400 Series

for Aluminum Doors

## AD8400 & NB-AD8400 Features

- Designed for narrow stile aluminum door applications (e.g., full glass doors)
- Concealed rods for security and aesthetics
- UL305 (Panic) listed
- Specify NB- for less bottom rod
- NB- device allows free access for wheelchairs and carts. No bottom strike eliminates tripping potential
- All functions determined by outside trim
- Devices are ANSI/BHMA A156.3 Grade 1

## Specifications for AD8400 & NB-AD8400 Exit

	l .	7	
Door Type	Hollow or extruded aluminum doors		
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-		
Cladding	Available for 1/4" on 1/2" panels. Specify 31- and panel thickness on order. Only available on 1-3/4" door thickness. Must be noted separately from door thickness on order string.	AD8400	NB-AD8400
Stile	1-3/4" (44mm) minimum stile width required. Stile must be hollow with inside dimension of at least 1-3/8" (35mm) square		
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths • F Rail for 33" to 36" door widths • J Rail for 37" to 42" door widths • G Rail for 43" to 48" door widths		
Strike	640 Strike for Top & Bottom		
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)		
Electric Options	AL- Alarm PL- SARGuide™ Photoluminescent Coated 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress		
Mounting Fasteners	Supplied standard with machine screws		1 1
Top Bolt	Stainless steel		
Device Centerline from Finished Floor	41" (1041mm) for Standard Applications 38" (965mm) for elementary schools		
Door/Opening Height	Must be specified - 120" (3048mm) Max Door Opening		
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)	U	
Projection	Pushbar Neutral – 3" (76mm) Pushbar Depressed – 2-1/8" (54mm)		
Fire Exit Hardware	Not Available		

Note: AD8400 can be used as NB- Device by simply not installing the bottom rod/bolt

#### **100 Series Aux Control**

- Available as an 06 or 13 function
- Supplied with a SARGENT #41 Mortise Cylinder
- Can be used with any SARGENT Mortise Key System



## 639/640 Strike Kits

- Steel with Black Nylon Coating
- Machine Screws Supplied • 640 Kit contains 2 strikes
- (Top & Bottom) • 639 Kit contains 1 strike
- (Top Only)



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## AD8400 and NB-AD8400 Functions and Trims for Aluminum Doors

## 80 Series

## SARGENT

## **ASSA ABLOY**

55- AD84	13	F ETL	Hand Outside FinishInside FinishDoorRHR26D32D3	86" 84" 41"	Options AD8400
700 Series ET Trim	SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 6 AD8400 Panic	Mechanical Options 16- 19-
Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)	06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	AD8406 x ET_	31- 36- 37- 43- 53-
	10	01	No outside operation (No Cylinder)*	AD8410	54- 55- 56- 56-HK- 5LH
	10	02	No outside operation (No Cylinder)* ET Control is used as Pull Only	AD8410 x ET_	5LH 58- 59- BC-59- 76-
ever Designs for ET Controls , B, E, F, J, L, P, W lso available with Coastal Series &	13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	AD8413 x ET_	85- 86- 87- AL-
tudio Collection Levers	15	14	Passage Only (No cylinder)	AD8415 x ET_	BT- CPC- LD- NB- PL- * SG- Cylinder Options: 10- 10-21- 10-63- 11- 11-21- 11-20- 11-60- 11-60- 11-63- 11-60- 11-63-
<b>Jsed to order ET without device)</b> 400 & NB-8400 Series: 706-4, 710- 713-4, 715-4, 740-4, 743-4, 746-4, 73-4, & 774-4	40	02	Freewheeling Trim - No outside operation (No Cylinder)* Dummy Trim	AD8440 x ET_	
reewheeling Trim	43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	AD8443 x ET_	
he lever rotates when the door is ocked preventing excessive force om being applied to the horizontal ever	46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	AD8446 x ET_	11-64- 11-70-7P- 11-72-7P- 11-73-7P- 11-65-73-7P- 21-
Electrified ET Trim Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC	73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)* Specify: 12VDC or 24VDC	AD8473 x ET_	22- 51- 52- 60-
	74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)* Specify: 12VDC or 24VDC	AD8474 x ET_	63- 64- 70- 72- 73-
	supplied in 32 or finishes, specify <b>Note:</b> AFF mean * Cylinder Overr	r 32D to match ac 14/32 or 15/32D t is Above Finished ide is available wi	all standard finishes, except 14, 15, 26 & 26D. With the coordingly. 32 or 32D is automatically supplied when 26 to receive nickel finished trims and stainless exit devices Floor, center line of rail Above Finished Floor th a 106 Aux Control TMG x 106 x RHR x 32D x 36"w x 84"h	or 26D is specified. For nickel	65-73- 65-73-7P- 73-7P- 81- 82- F1-82- 83- F1-83- 84- BR- LC-
	SARGENT	ANSI			SC- SE-

100 Series Auxilia & 862 Pull	ary Control*	SARGENT Function Numbers	ANSI Function Numbers		AD8400 Panic	* Only ava 15, 26D a finishes	
	7	06	12	Key unlocks Turn, Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied	AD8410 x 106		ilable
0		10	02	862 Pull Only (Optional Pulls: 863 & 864)	AD8410 x 862 Pull	Fini SARGENT Finishes	BHMA Finishes
100 Series Aux. Control	862 Pull	13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	AD8410 x 113	03 04 09	605 606 611

Note: When ordering 8400 Series Exit Device x 100 Series Aux. Control, specify 10 Function for the exit. Example: AD8410F x 106 x RHR x 32D x 42" x 90"

09 10

10B

10BE

10BL

14

15

20D

26

26D 32

32D

BSP

WSP

606 611 612

613

613E

613L

618

619

624

625 626

629

630

33

## LP8600 & LR8600 Low Profile Center & Top Latch Concealed Vertical Rods for Pair of Doors & Double Egress

## **80** Series

## SARGENT ASSA ABLOY



#### **Specifications**

specifications			
Door Type	Factory prepped metal doors for LP & LR devices		
Door Thickness	1-3/4" (44mm) doors only with 2-3/4" (70mm) backset		
Stile	4-1/2" (114mm) minimum stile		
Rail sizes as determined by door width	Rails are available in 3 sizes, use door width to determine size needed. • L Rail for 36" door width no cutting required • M Rail for 42" to 44" door width no cutting required • N Rail - 46" to 48" door width no cutting required		
Strike	650 Top Strike (Panic and Fire Rated)		
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)		
Electric Options	AL- Alarm PL- SARGuide™ Photoluminescent Coated 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging		
Mounting Fasteners	Supplied standard with machine screws		
Top & Center Bolts	Stainless steel		
Device Centerline from Finished Floor	41" (1041mm) for Standard Applications		
Door/Opening Height	Must be specified - 120" (3048mm) Max Door Opening		
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)		
Projection	Pushbar Neutral – 1-1/2" (38mm) Pushbar Depressed – 5/8" (15mm)		
Fire Exit Hardware	See Chart – Page 6		

How it works: The mortise lock of the LP device has a stainless steel bolt which projects into the mortise lock of the LR device at the center of the door in addition to top bolts in each door.

## Pair of Doors



#### Notes:

- 1. Available for 1-3/4" (44mm) thick doors only. No glass bead shim kits or inside panel condition permitted.
- 2. LS/LP/LR8600 are available in the following door sizes only: 36", 42", 44", 46" or 48' (914mm, 1067mm, 1118mm, 1168mm or 1219mm)



Note: The following hollow metal door manufacturers are equipped to reinforce and prepare their steel doors for the LS/LP/LR8600 Series Low Profile exit devices: CECO, CURRIES and FLEMING. Please check with any other hollow metal door manufacturers regarding their ability to properly reinforce and prepare their doors for these exit devices

## **Features**

- The security of a stainless steel center bolt, two concealed top bolts and a low profile device for pairs of doors without bottom rod issues
- Devices are ANSI/BHMA A156.3 Grade 2
- UL10C (Fire) and UL305 (Panic) listed
- 1-1/2" total projection from face of door
- Center and top latching
- No visible active chassis
- Center latchbolt adjustable for up to 3/8" (9mm) door gap
- Both doors are active. Either door can be opened or closed without affecting the other door. Open back strikes are not required
- Top case latchbolt projection adjustable through top case
- Tripping potential removed no bottom strike
- All functions determined by outside trim (ET Trim only)
- Concealed rods for security and aesthetics

## LP8610 Side View



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## LP & LR8600 Functions & Trims for Pairs of Doors

## 80 Series

## SARGENT ASSA ABLOY

55- LP86	13	F ETL	Hand Outside Finish Inside Finish Do RHR 14 32	36" 84" 41"	Optic LP & LR
DO Series ET Trim Exits with ET Trim, specify lever design after the ET	SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 2 LP8600 LR8600 Panic & Fire Panic & Fire	Mechanical 12- 16-
designation (e.g., ETL)	06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	LP8606 x ET_ LR8606 x ET_	19- 36- 37- 54-
ever Designs for ET Controls	10	01	No outside operation (No Cylinder)	LP8610 LR8610	55- 56- 56-H 58-
	10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	LP8610 x ET_ LR8610 x ET_	76- 85- 86- 87-
B, E, F, J, L, P, W o available with Coastal Series & dio Collection Levers	istal Series & Key Outside Unlocks/locks Trim LF 's 13 08 #41 Cylinder Supplied LF	LP8613 x ET_ LR8613 x ET_	AL- BT- CPC- LD-		
Designation with Suffix ed to order ET without device) 600 & LR8600 Series: 706-6,	15	14	Passage Only (No cylinder)	LP8615 x ET_ LR8615 x ET_	PL- * SG- <b>Cylinder O</b> 10-
10-6, 13-6, 715-6, 740-6, 743-6, 746-6, 73-6 & 774-6	40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	LP8640 x ET_ LR8640 x ET_	10-21 10-63 11- 11-21 11-60
eewheeling Trim	43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	LP8643 x ET_ LR8643 x ET_	11-63 11-63 11-64 11-70-7 11-72-7
rom being applied to the horizontal aver Electrified ET Trim	46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	LP8646 x ET_ LR8646 x ET_	11-73-7 11-65-73 21- 22-
age must be specified for the owing functions: 73 and 74. cify: 12VDC or 24VDC	73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*	LP8673 x ET_ LR8673 x ET_	51- 52- 60- 63- 64-
ote: LP & LR Exit devices should be dered in pairs, for correct operation; ne device engages the other. For ngle door applications, order LS	74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*	LP8674 x ET_ LR8674 x ET_	70- 72- 73- 65-73

**Note:** Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices Note: AFF means Above Finished Floor, center line of rail Above Finished Floor \* Cylinder override is not available with LP & LR 8600 Series Devices

## 68-1183 Double Lipped **LR Mortise Front**

Device



• Standard for LR8600

#### • Stainless steel only

## 650 Top Strike



- For application in metal frames
- Stainless steel

08/24

90641

5

73-7P-81-82

F1-82-83-F1-83-84-

BR-LC-SC-

SE-\* Only available with 15, 26D and 32D

finishes

## SARGENT ASSA ABLOY

#### 80 Series



## Specifications for LS8600 Series Exit

1	
Door Type	Factory prepped metal doors for LP & LR devices
Door Thickness	1-3/4" (44mm) doors only with 2-3/4" (70mm) backset
Stile	4-1/2" (114mm) minimum stile width
Rail sizes as determined by door width	<ul> <li>Rails are available in 3 sizes, use door width to determine size needed.</li> <li>L Rail for 36" door width no cutting required</li> <li>M Rail for 42" to 44" door width no cutting required</li> <li>N Rail - 46" to 48" door width no cutting required</li> </ul>
Strike	650 Top Strike & C7710 Mortise Strike (Panic and Fire Rated)
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide™ Photoluminescent Coated 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging
Mounting Fasteners	Supplied standard with machine screws
Top & Center Bolts	Stainless steel
Device Centerline from Finished Floor 41" (1041 mm) for Standard Applications	
Door/Opening Height	Must be specified - 120" (3048mm) Max Door Opening
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 1-1/2" (38mm) Pushbar Depressed – 5/8" (15mm)
Fire Exit Hardware	See Chart – Page 6

**How it works:** The mortise lock of the LS device has a stainless steel bolt which projects into the door frame at the center of the door with the additional security of a concealed top bolt.

**Note:** The following hollow metal door manufacturers are equipped to reinforce and prepare their steel doors for the LS/LP/LR8600 Series Low Profile exit devices: CECO, CURRIES and FLEMING. Please check with any other hollow metal door manufacturers regarding their ability to properly reinforce and prepare their doors for these exit devices

## Features

- The security of a stainless steel center bolt, concealed top bolt and a low profile device for single doors without bottom rod issues
- Devices are ANSI/BHMA A156.3 Grade 1
- UL10C (Fire) and UL305 (Panic) listed
- 1-1/2" total projection from face of door
- Center and top latching
- No visible active chassis
- Center latchbolt adjustable for up to 3/8" (9mm) door gap
- Top case latchbolt projection adjustable through top case
- Tripping potential removed no bottom strike
- All functions determined by outside trim (ET Trim only)
- Concealed rods for security and aesthetics

## LS8610 Side View



Notes:

- Available for 1-3/4" (44mm) thick doors only. No glass bead shim kits or inside panel condition permitted.
- LS/LP/LR8600 are available in the following door sizes only: 36", 42", 44", 46" or 48" (914mm, 1067mm, 1118mm, 1168mm or 1219mm)
# LS8600 Functions and Trims

#### 80 Series

### SARGENT ASSA ABLOY

How to order: Options Series 55- LP86	Function Ra	il Lgth Trim F ETL	HandOutside FinishInside FinishDoorRHR26D32D32D	Width Door Height AFF           6"         84"         41"	Options LS8600
700 Series ET Trim Exits with ET Trim, specify lever design after the ET	SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 12 LS8600 Panic & Fire	Mechanical Option: 12- 16- 19-
designation (e.g., ETL)	06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Required & Supplied	LS8606 x ET_	19- 36- 37- 54- 55- 56-
	10	01	No outside operation (No Cylinder)	LS8610	56-HK- 58- 76- 85- 86-
Lever Designs for ET Controls A, B, E, F, J, L, P, W Also available with Coastal Series & Studio Collection Levers	10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	LS8610 x ET_	87- AL- BT- CPC- LD- PL-
ET Designation with Suffix (Used to order ET without device) LS8600 Series: 706-6, 710-6, 713-6,	13	08	Key Outside Unlocks/locks Trim #41 Cylinder Required & Supplied	LS8613 x ET_	* SG- Cylinder Options: 10- 10-21- 10-63-
715-6, 740-6, 743-6, 746-6, 773-6 & 774-6 <b>Freewheeling Trim</b>	15	14	Passage Only (No cylinder)	LS8615 x ET_	11- 11-21- 11-60- 11-63- 11-64-
The lever rotates when the door is ocked preventing excessive force rom being applied to the horizontal ever	40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	LS8640 x ET_	11-70-7P- 11-72-7P- 11-73-7P- 11-65-73-7P- 21- 22-
Electrified ET Trim Voltage must be specified for the following functions: 73 and 74.	43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	LS8643 x ET_	22- 51- 52- 60- 63- 64-
Specify: 12VDC or 24VDC	46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Required & Supplied	LS8646 x ET_	70- 72- 73- 65-73- 65-73-7P-
	73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*	LS8673 x ET_	73-7P- 81- 82- F1-82- 83- F1-83-
	74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*	LS8674 x ET_	84- BR- LC- SC- SE-

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices Note: AFF means Above Finished Floor, center line of rail Above Finished Floor \* Cylinder override is not available with LP 8700 Series Devices

#### C7710 Mortise Centercase Strike



- Standard for LS8600
- Handed
- Stainless steel only

#### 650 Top Strike



- For application in metal frames
- Stainless steel
- Top strike for Panic & Fire Rated

Ava Fin	
RGENT	BHMA Finishes
03 04 09 10 10BE 10BL 14 15 20D 26 26D 32 32D BSP	605 606 611 612 613 613 613 613 613 613 613 619 624 625 626 629 630 —
A/CP	

37

SAR Fir

\* Only available with 15, 26D and 32D finishes

### MD8600 (Hurricane-Resistant) Concealed Vertical Rod Exit Device for Metal Doors **80** Series



### SARGENT ASSA ABLOY



#### **Features**

- Designed for standard width stile applications on hollow metal • doors
- Concealed rods for security and aesthetics •
- Single and double door applications •
- Devices are ANSI/BHMA A156.3 Grade 1 •
- UL10C (Fire) and UL305 (Panic) listed •

#### **Specifications for MD8600 Series Exit**

Door Type	Metal Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Cladding	Available for 1/4" on 1/2" panels. Specify 31- and panel thickness on order. Only available on 1-3/4" door thickness. Must be noted separately from door thickness on order string.
Stile	4-1/2" (114mm) minimum stile width
Rail sizes as determined by door width	<ul> <li>Rails are available in 4 sizes, use door width to determine size needed.</li> <li>Rails will be factory cut to size, if door width is supplied</li> <li>E Rail for 24" to 32" door widths, No cutting required for 32" door</li> <li>F Rail for 33" to 36" door widths, No cutting required for 36" door</li> <li>J Rail for 37" to 42" door widths, No cutting required for 42" door</li> <li>G Rail for 43" to 48" door widths, No cutting required for 48" door</li> </ul>
Strike	650 Top Strike & 606 Bottom Strike (Panic and Fire Rated)
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide™ Photoluminescent Coated 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with machine screws
Top Bolt	Stainless steel
Device Centerline from Finished Floor	41" (1041mm) for Standard Applications 38" (965mm) for elementary schools
Door/Opening Height	Must be specified - 120" (3048mm) Max Door Opening 96" max door height for HC and WS options
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76mm) Pushbar Depressed – 2-1/8" (54mm)
Fire Exit Hardware	See Chart – Page 6

Notes

MD8600 & 12-MD8600 can be used as NB- Device by simply not installing the bottom rod/bolt.
12-NB Applications require thermal pin. Thermal Pin supplied when ordered as a 12-NB Device.
Must include "HC" option in the order string to specify Hurricane Resistant product.

#### 100 Series Aux Control 650 Top Strike

- Available a an 06 or 13 function
- Supplied v a SARGEN #41 Mortis Cylinder
- Can be use with any SARGENT Mortise Key

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(64mm) or application in hollow metal frames

- Stainless steel nylon coated
  - Furnished with expansion shields Mortised into floor •

•

Stainless steel

606 Bottom Strike

2-5/8"

(67mm)

1-1/16"

(27mm)

5/32'

(4mm)

08/24

### MD8600 Functions and Trims for Metal Doors 80 Series



### SARGENT ASSA ABLOY

#### How to order: Options Series Rail Lgth Trim Hand **Outside Finish** Inside Finish Door Width Door Height AFF Options Function 59-MD86 13 F FTI RHR 03 03 36" 84" 41" MD8600 SARGENT ANSI Type 8 ANSI 700 Series ET Trim Mechanical Options Function Function Description & Cylinder Info MD8600 12 Exits with ET Trim, specify Numbers Numbers (1-3/4" Door) Panic & Fire 16-19lever design after the ET Key unlocks Trim, Trim retracts latch/ 31-36designation (e.g., ETL) 09 Trim relocks when key is removed MD8606 x ET 06 37-43-#41 Cylinder Supplied 53-54-55-56-No outside operation (No Cylinder)\* 10 01 MD8610 56-HK-5LH No outside operation (No Cylinder)\* 10 02 MD8610 x ET\_ 58-59-ET Control is used as Pull Only Lever Designs for ET BC-59-Controls 76-Key Outside Unlocks/locks Trim 85-86-87-AL-13 08 MD8613 x ET\_ A, B, E, F, J, L, P, W #41 Cylinder Supplied Also available with Coastal Series & Studio Collection Levers BT-CPC-HC-LD-15 14 Passage Only (No cylinder) MD8615 x ET\_ ET Designation with Suffix (Used to order ET without Freewheeling Trim -PL-\* SGdevice) 40 02 No outside Operation MD8640 x ET\_ WS-Cylinder Options: MD8600 Series: (No Cylinder)\* Dummy Trim 706-4, 710-4, 713-4, 715-4, 740-4, 743-4, 746-4, 773-4, & 774-4 Freewheeling Trim -10-10-21-43 08 Key Outside Unlocks/locks Trim MD8643 x ET 10-63-#41 Cylinder Supplied **Freewheeling Trim** 11-Freewheeling Trim -11-21-11-60-The lever rotates when the door is Key unlocks Trim, Trim retracts latch/ 46 09 MD8646 x ET\_ locked preventing excessive force Trim relocks when key is removed 11-63from being applied to the horizontal 11-64-#41 Cylinder Supplied 11-70-7Pleve 11-72-7P-Electrified ET Trim - Fail Safe 11-73-7P-11-65-73-7P 73 MD8673 x ET\_ **Electrified ET Trim** Power Off, Unlocks Lever (No Cylinder)\* 21-22-Voltage must be specified for the following functions: 73 and 74. 51-52-Electrified ET Trim - Fail Secure 74 MD8674 x ET\_ Specify: 12VDC or 24VDC Power Off, Locks Lever (No Cylinder)\* 60-63-

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices Note: AFF means Above Finished Floor, center line of rail Above Finished Floor \* Cylinder Override is available with a 106 Aux Control

Example Order: MD8673F 12V x ETMG x 106 x RHR x 32D x 36"w x 84"h

100 Series Auxilia & 862 Pull	ary Control∗	SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	MD8600 Panic & Fire
	7	06	12	Key unlocks Turn, Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied	MD8610 x 106
1		10	02	862 Pull Only (Optional Pulls: 863 & 864)	MD8610 x 862 Pull
100 Series Aux. Control	862 Pull	13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	MD8610 x 113

Note: When ordering MD8600 Series Exit Device x 100 Series Aux. Control, specify 10 Function for the exit. Example: MD8610F x 106 x RHR x 32D x 42" x 90

64-70-

72-73-

65-73-65-73-7P-

73-7P-81-82-F1-82-83 F1-83-84 BR-LC-SC-SE-

\* Only available with 15, 26D and 32D finishes

**Available Finishes** 

SARGENT

Finishes

03

10BE 10BL 14 15 20D 26 26D

32 32D

BSP WSF

внма

605 606

611 612 613

629 630

9

Finishe





08/24

# **UL Listed Hurricane-Resistant** HC8800 Rim Exit Device



### SARGENT ASSA ABLOY

**80** Series

#### HC8800 Series **Rim Exit Device**



#### HC8800, 12-HC8800 Series **Rim Exit Device**

- Chassis: ductile iron
- Requires 2 chassis shims and 2 end bracket shims included with the exit device
- Additional information on HC980 Mullions available in Mullion Section of this catalog

#### Single Door



#### Features

- Designed for standard width stile applications on metal doors. • For doors 1-3/4" (44mm) thick.
- Devices are ANSI/BHMA A156.3 Grade 1
- UL10C (Fire) and UL305 (Panic) listed

Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied

- E Rail for 24" to 32" door widths, No cutting required for 32" door
- F Rail for 33" to 36" door widths, No cutting required for 36" door
- J Rail for 37" to 42" door widths, No cutting required for 42" door

• G Rail for 43" to 48" door widths, No cutting required for 48" door Note: For additional information on 8800 Series, see page 9

#### 649 Strike

• Supplied standard for panic & fire rated openings

3/4"

- Surface applied
- Black nylon coated



1-5/32"

(29mm)

3-11/16"

(94mm)

#### Double Door HC-8800 with HC-980 Mullion



## **UL Listed Hurricane-Resistant** HC8800 Functions and Trims



### SARGENT ASSA ABLOY

#### 80 Series

How to orde	r: Options		<b>ries F</b> C88	unction 13	Rail Lgth F	<b>Trim</b> ETL	Hand RHR	Outsi	<b>de Finish</b> 15	Inside Finis 32D	h Door Widt 36"	h HC8800				
	vith ET Trim, sp		SARG Func Numl	tion F	ANSI unction lumbers		Descri	ption & (1-3/4"	Cylinder In Door)	fo	ANSI Type 1 HC8800 Panic & Fire	Mechanical Op 12- 16- 19- 31-	otion			
	lesign after the ation (e.g., ETL		04		03		ŧ	Night L Key Retrac ‡34 Cylinder	ts Latch		HC8804 x ET_	36- 37- 43- 54-				
0		,	06	06 09 Key unlocks Trim, Trim retracts latch/ #41 Cylinder Supplied						HC8806 x ET_	55- 56- 56-HK- 58- 76-					
1			10	1	01		No out:	side operati	on (No Cylinde	er)	HC8810	85- 86- 87-				
, B, E, F, J, L, F			10	)	02				on (No Cylinde ed as Pull Only	er)	HC8810 x ET_	BT- CPC- LD- PL-				
udio Collectio			13	;	08			Dutside Unla #41 Cylinde	ocks/locks Trim r Supplied		HC8813 x ET_	* SG- TB- <b>Cylinder Opt</b> 10-	tions:			
<b>Ised to order</b> C-8800 Series:	on with Suff ET without d 704, 706-8, 71	<b>evice)</b> 0,	15	;	14		Pas	ssage Only (	No cylinder)		HC8815 x ET_	10-21- 10-63- 11- 11-21-				
73-8, 774-8, 77		746-8,	40	)	02			Freewheeli No outside o Cylinder) [	operation		HC8840 x ET_	11-60- 11-63- 11-64- 11-70-7P-	_			
ne lever rotates cked preventir	reewheeling Trim     (No Cylinder) Dummy Trim       ne lever rotates when the door is cked preventing excessive force m being applied to the horizontal     43     08     Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied									ı	HC8843 x ET_	11-72-7P- 11-73-7P-	22-			
ver lectrified E	T Trim		44		03			eling Trim - ‡34 Cylinder	Key Retracts La <sup>-</sup> Supplied	atch	HC8844 x ET_	51- 52- 60- 63-				
oltage must be Ilowing functic 6.	e specified for tl ons: 73, 74, 75		46	,	09		Ťrim r		rim retracts late key is remove		HC8846 x ET_	64- 70- 72- 73- 65-73-				
becify: 12VDC	or 24VDC		75	*	Electrified ET Trim - Fail Safe						HC8875 x ET_	65-73-7P- 73-7P- 81- 82- F1-82- 83-	81- 82- F1-82-			
			Electrified ET Trim - Fail Secure							HC8876 x ET_	F1-83- 84- BR- LC- SC-					
			supplied finishes, s • 75 Fund	n 32 or 32D pecify 14/32 tion without	to match acc or 15/32D to cylinder is av	ordingly. 32 o	r 32D is au I finished to Function	tomatically		these finishes, exit 26 or 26D is specif ces		SE- * Only available 15, 26D and 3 finishes				
ull Section					the • Use	Exit Device the six dig ering trim	er desigi e with Ti git desig	rim Ination (E			Series					
ARGENT unction lumbers	ANSI Function Numbers			& Cylinde 4" Door)	er J	¢		Ē	e		HC800 Panic & Fire	04 ( 09 ( 10 ( 10B ( 10B (	605 606 611 612 613 613 613E 613L			
04	03	Night I #3	Latch-Key I 4 Cylinder	Retracts Latch Supplied	814-FS	L* 814-FS	SW* 8	14-MSL*	814-PSB*	814-515	C8804 x Trim Designation	14 d 15 d	618 619 624			
10	02	No O/S	5 Operatio (Pull O	on or Cylinde nly)	<sup>er</sup> 810-FL	L 810-F	LW 8	10-MAL	810-PTB	810-515	C8810 x Trim Designation	26 ( 26D (	625 626 629			

\* FSL, FSW, MSL and PSB trims are used with (HC-& 12-) 8888 and 8804 only and are the same as FLL, FLW, MAL and PTB pulls except for cylinder hole located 3/8" (9mm) lower Note: FLW & FSW trims are not available in 32(629) or 32D(630) Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

Experience a safer



630

\_\_\_\_

32D

BSP

WSP

# UL Listed Hurricane-Resistant WS8800 Rim Exit Device



### SARGENT ASSA ABLOY

#### 80 Series

#### WS8800 Series Rim Exit Device



#### 649 Strike

• Supplied standard for panic & fire rated openings



#### Features

- WS 8800 available for single hollow metal door applications for 1-3/4" thick door, 3'0" x 7'0" max, with 6" min stile
- Devices are ANSI/BHMA A156.3 Grade 1
- UL305 (Panic) Listed

WS8800 rails are available in 2 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied

• E Rail for 24" to 32" door widths, No cutting required for 32" door

• F Rail for 33" to 36" door widths, No cutting required for 36" door

Note: For additional information on 8800 Series, see page 9

#### WS8800, 12-WS8800 Series Rim Exit Device

- Chassis: Non Fire Rated Nonferrous alloy
- Requires 3 chassis shims and 3 end bracket shims included with the exit device

#### Single Door



### **UL Listed Hurricane-Resistant** WS8800 Functions and Trims



### SARGENT ASSA ABLOY

#### 80 Series

How to order: Opti		ries Funct S88 13	on Rail Lgth F	Trim H ETL	<b>Hand Outs</b> RHR	i <b>de Finish</b> 15	Inside Finis 32D	h Door Width 36"	Optior HC88 &WS8	300
00 Series ET Trim Exits with ET Trim lever design after		SARGENT Function Numbers	ANSI Function Numbers	D	escription & (1-3/4"		ıfo	ANSI Type 1 WS8800 Panic & Fire	<b>Mechanical</b> 12- 16- 19- 31-	-
designation (e.g.,		04	03		Night Key Retra #34 Cylinde	cts Latch		WS8804 x ET_	36 37 43 54	-
~ ·		06	09		(ey unlocks Trim, Trim relocks whe #41 Cylinde	n key is remove		WS8806 x ET_	55- 56- 56-H 58- 76-	-  K- -
1		10	01	I	No outside opera	ion (No Cylind	er)	WS8810	85- 86- 87-	-
ever Designs for ET , B, E, F, J, L, P, W		10	02	I	No outside opera ET Control is us			WS8810 x ET_	BT CP( LD PL-	C- - -
lso available with Coastal tudio Collection Levers T Designation with \$		13	08		Key Outside Un #41 Cylind		1	WS8813 x ET_	* SC TB <b>Cylinder (</b> 10-	- Option: -
Jsed to order ET witho C-8800 Series: 704, 706-8	<b>ut device)</b> 8, 710,	15	14		Passage Only	(No cylinder)		WS8815 x ET_	10-2 10-6 11- 11-2	-3-
13-8, 715-8, 740, 743-8, 7 73-8, 774-8, 775-8 & 776-		40	02		Freewheel No outside (No Cylinder)	Operation		WS8840 x ET_	11-6 11-6 11-6 11-70- 11-70-	3- 4-
reewheeling Trim he lever rotates when the ocked preventing excessiv om being applied to the b	ve force	43	08		Freewheel Key Outside Un #41 Cylinde	ocks/locks Trim	1	WS8843 x ET_	11-72- 11-73- 11-65-7 21- 22- 22-	-7P- -7P- 3-7P- - -
ever		44	03	Fr	eewheeling Trim - #34 Cylinde		atch	WS8844 x ET_	51- 52- 60- 63-	-
oltage must be specified - Illowing functions: 73, 74 6.		46	09	к	Freewheel ey unlocks Trim, Trim relocks whe #41 Cylind	rim retracts lat n key is remove		WS8846 x ET_	64 70 72 73 65-7	- - - - '3-
pecify: 12VDC or 24VDC		75*			Electrified ET T Power Off, U Key Retra #34 Cylinde	rim - Fail Safe nlocks Lever, cts Latch		WS8875 x ET_	65-73- 73-7 81- 82- F1-8	P- - - 2-
		76**			Electrified ET Tr Power Off, L Key Retra #34 Cylinde	WS8876 x ET_	LC- SC-			
		supplied in 32 or finishes, specify * 75 Function wit	32D to match acc 14/32 or 15/32D to hout cylinder is av		D is automatically ished trims and st action	supplied when	these finishes, exit 26 or 26D is specif ices		SE * Only availa 15, 26D ar finishes	able wi
Pull Section			the Exit Devi Use the six d	ter designatio	on (Ex "810-M	AL") when	C C	Series	Available Finishes	
						-	0		SARGENT Finishes 03	BHM Finish
ARGENT ANSI Function Function Numbers Numbe	on Desc	cription & Cyl fo. (1-3/4" Do		Ĵ	Ī	F		WS800 Panic & Fire	04 09 10 10B 10BE	606 611 612 613 613
04 03	Night #.	Latch-Key Retracts 34 Cylinder Supplie	Latch 814-FS	L* 814-FSW	* 814-MSL*	814-PSB*	814-515	/S8804 x Trim Designation	10BL 14 15	613 613 618 619
10 02	No O/	S Operation or Cy (Pull Only)	<sup>linder</sup> 810-FL	L 810-FLW	810-MAL	810-PTB	810-515	/S8810 x Trim Designation	20D 26 26D	624 625 626
FSL, FSW, MSL and PSB trir mm) lower ote: FLW & FSW trims are r ote: Pulls and thumb piece	not available	in 32(629) or 32D	(630)	and are the same a	as FLL, FLW, MAL	and PTB pulls	except for cylinder	hole located 3/8"	32 32D BSP WSP	629 630

\* FSL, FSW, MSL and PSB trims are used with (HC-& 12-) 8888 and 8804 only and are the same as FLL, FLW, MAL and PTB pulls except for cylinder hole located 3/8" (9mm) lower Note: FLW & FSW trims are not available in 32(629) or 32D(630) Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

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3

# UL Listed Hurricane-Resistant WS8900 Mortise Lock Exit Device **5**

SARGENT

ASSA ABLOY

#### 80 Series

# WS8900 Series Mortise Lock Exit Device

#### Features

- WS8900 available for Single Hollow Metals Doors applications for 1-3/4" Thick door, 3'0" x 7'0" Max. Door with 6" Min Stile
- Requires 4 chassis shims and 4 end bracket shims to be included with exit device
- Devices are ANSI/BHMA A156.3 Grade 1
- UL305 (Panic) Listed

WS8900 rails are available in 2 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied

- E Rail for 24" to 32" door widths, No cutting required for 32" door
- F Rail for 33" to 36" door widths, No cutting required for 36" door

**Note:** For additional information on 8900 Series and Windstorm Ratings for the standard 8900 Series, see page 13

#### Single Door

#### WS8900, 12-WS8900 Series Mortise Exit Device

• Requires 4 chassis shims and 4 end bracket shims included with the exit device



#### C908 Standard Strike

- Curved lip ANSI A-115.1
- Handed. 1-1/4" (32mm) lip standard



(2mm)

### **UL Listed Hurricane-Resistant** WS8900 Functions and Trims



### SARGENT ASSA ABLOY

#### 80 Series

r: Options 11-63-			on Rail L	gtn	Trim ETL	Hand C RHR	Dutside Fini 14	sn insi	de Finish 32	<b>Door W</b> 36"		
11.00	113				LIL				02		Opti	ons
T Trim		SARGENT Function Numbers	ANSI Function Numbers				er Info	F	WS8900 Panic & Fire		WS8 Mechanica	l Optior
esign after the l	ET	04	03		Key	Retracts Latch	d	W	S8904 x ET_		16 19 23	)- )_ }-
ation (e.g., ETL)		06	09		Trim relocks	when key is re	moved	W	S8906 x ET_		36 37	)- /_
)		10	01		No outside o	peration (No C	ylinder)		WS8910		54 55 56	-  -  -
		10	02					W	S8910 x ET_		56-F 58 76 85	}- )-
, W		13	08					W	S8913 x ET_		86 87 BT	)- /_ T-
	es &	15	14		-			W	S8915 x ET_		LD PL	)- L-
ET without de	evice)	16	10		Key Inside U	nlocks/Locks O	/S Trim	W	S8916 x ET_		Cylinder ( 10 10-2	<b>Options:</b> )- 21-
		40	02	No o	utside operatio	on (No Ĉylinder	) Dummy Trim	W	S8940 x ET_		11 11-2 11-6	- 21- 60-
g Trim	43	08		Key Outsid	le Unlocks/lock	s Trim	W	S8943 x ET_		11-6 11-70	64- )-7P-	
ng excessive for	се	44	03		For 1-3/4" Doc	or #46 Cylinder	Supplied	W	NS8944 x ET_			8-7P- 73-7P-
T Trim and	75*			Power C Key For 1-3/4" Doc	Off, Unlocks Lev Retracts Latch or #46 Cylinder	er, Supplied	W	S8975 x ET_		22 51 52 60	- <u>?</u> - )-	
specified for th	ie	76**			Power Key	Off, Locks Leve Retracts Latch	r,	W	S8976 x ET_		64 70 72	-  - <u> </u> -
or 24VDC		supplied in 32 of finishes, specify * 75 Function wi	r 32D to match a 14/32 or 15/32D thout cylinder is a	n all stan ccording to receiv available	dard finishes, e ly. 32 or 32D is re nickel finishe as a 73 Functio	except 14, 15, 2 automatically ed trims and sta	6 & 26D. With supplied when 2	26 or 26D is sp			65-7 65-73 73-7 81 82 F1-8 83	73- 3-7P- 7P- - 2- 82- 3-
opiece Trim	Sectio	• Us Di • Us	evice with tri se the six dig	m jit desig	gnations (E> gnation (Ex	« "PTB") wh : "866-MAL	") when ord				84 BR LC *SC *SE	-  -  -  -  -  -  -  -  -
ANSI Function Numbers					0		·e	•	WS8900 Panic 8		following 04 x ET, 1 & 76	functior 16, 44, 7 ilable wi
03			814-F	=LL	814-FLW	814-MAL	814-PTB	814-STS			Availa Finisł	
02	No O/	/S Operation or Cy (Pull Only)	<sup>linder</sup> 810-I	=LL	810-FLW	810-MAL	810-PTB	810-STS			ARGENT Finishes	BHM4 Finishe
15		Passage Only (No cylinder)	828-F	=LL	828-FLW	828-MAL	828-PTB	828-STS			03 04 09 10	605 606 611 612
05		locks Thumbpiece	866-1	=LL	866-FLW	866-MAL	866-PTB	866-STS			10B 10BE 10BL	613 613E 613L
	Key Ou	utside Retracts Late	h; Key S Trim <b>866-</b> F	=LL	866-FLW	866-MAL	866-PTB	866-STS	WS8966 x T	rim	14 15	618 619
	T Trim ith ET Trim, spe lesign after the l ation (e.g., ETL) is for ET Con y, W ith Coastal Serie n Levers con with Suffit ET without de 704, 706, 710, 7 43, 744, 773, 77 g Trim and cortise Locks e specified for th hors: 73, 74, 75 a or 24VDC copiece Trim and price Trim and cortise Locks e specified for th or 24VDC copiece Trim and Numbers 03 02	T Trim         ith ET Trim, specify         ais for ET Controls         N         ith Coastal Series &         n Levers         on with Suffix         ET without device)         704, 706, 710, 713, 43, 744, 773, 774, 73         g Trim         swhen the door is ng excessive force ied to the horizontal         TTrim and lortise Locks         e specified for the norizontal         TTrim and lortise Locks         or 24VDC         opiece Trim Section         opiece Trim Section         03       #         02       No O         15       5         05       K	T Trim       SARGENT Function Numbers         ith ET Trim, specify ation (e.g., ETL)       04         06       10         is for ET Controls a, with Coastal Series & n Levers       13         ith Coastal Series & n Levers       16         704, 706, 710, 713, 43, 744, 773, 774, 75       40         g Trim and Locks       43         specified for the horizontal or 24VDC       76**         ANSI Function Numbers       76**         or 24VDC       Note: Exit device supplied in 32 of inshes, specify * 75 Function wite * 76 Funct	I Trim ith ET Trim, specify lesign after the ET ation (e.g., ETU)SARGENT Function NumbersANSI Function Numbers0403060910011002shor ET Controls Numbers13Numbers13on with Suffix ET without device) 704, 706, 710, 713, 43, 744, 773, 774,161002g Trim or 24VDC43Note: Exit devices supplied in 32 or 32D to match a frishes, specify 14/32 or 15/32D to supplied in 32 or 32D to match a frishes, specify 14/32 or 15/32D to **76 Function without cylinder is **76 Function is **76 Function is **76 Functi	SARGENT Function NumbersANSI Function Numbers1GGith ET Trim, specify esign after the ET ation (e.g., ETU)0609101100110021002ith Coastal Series & n Levers130810704, 706, 710, 713, 43, 744, 773, 774,161010704, 706, 710, 713, 43, 744, 773, 774,4002No of 10g Trim s when the door is 19 excessive force ied to the horizontal75*To1075*76**76**131010or 24VDCNote: Exit devices are available in all stan supplied in 32 or 32D to match according finishes, specified for the ons: 73, 74, 75 and or 24VDCNote: Exit devices are available in all stan supplied in 32 or 32D to match according finishes, specified for the ons: 73, 74, 75 and or 24VDCUse three is visit devices are available in all stan supplied in 32 or 32D to match according finishes, specified for the ons: 75 Function without cylinder is available * 76 Function without cylinder is available * 75 Function without an Exit Device * 75 Function without cylinder is available * 76 Function without an Exit Device * 75 Function without an Exit Device * 75 Function without an Exit Device * 75 Function without an Exit DeviceANSI FunctionDescription & Cylinder Info. (1-3/4" Door814-FLL03Key Quitade Unlocks/ lock Thumberse flock Thumberse flock Thumberse flock Th	SARGENT Function NumbersANSI Function NumbersDescription (1+)the ET Trim, specify esign after the ET ation (e.g., ETL)0403Menoremather Menoremather (1+)040303Key unlocks T Menoremather (1-)0609Key unlocks T Menoremather (1-)051001No outside c TO1002No outside c ET Controls (1-)1002No outside c TO1308Key Outside (1-)1108Key Outside (1-)14Passage (1-)00with Suffix ET without device) (704, 706, 710, 713, 43, 744, 773, 774,1610Key Outside (Key Inside U) (Key Inside U)	Trim       SARGENT       ANSI Function       Description & Cylinde (1-3/4* Door)         inth ET Trim, specify esign after the ation (e.g., ETL)       0.6       0.9       Night Lath Key unlocks Trim, Tim retack Supplied         0.6       0.9       Night Lath Key unlocks Trim, Tim retack Supplied       No outside operation (No C ET Control is used as Pull         0.6       0.9       No outside operation (No C ET Control is used as Pull       No outside operation (No C ET Control is used as Pull         0.9       1.0       0.2       No outside operation (No C ET Control is used as Pull         0.9       1.3       0.8       Key Outside Unlocks/Locks O C #10 (Strinder Supplied         0.9       1.3       0.8       Key Outside Perators La Key Inside Unlocks/Locks O C #16 & D10       Key Outside Retracts La Key Inside Unlocks/Locks O C #16 & D10       Key Outside Retracts La Key Inside Unlocks/Locks O C #16 & D10       Key Outside Retracts La Key Inside Unlocks/Locks O C #16 & D10       Freewheeling Tim - No outside operation (No Cylinder Electrified ET Tim - Fail * Stal Cylinder Supplied         0.1       1.3       0.8       Key Outside IT mo For 1-3/4* Door #46 Cylinder Electrified ET Tim - Fail * Stal Cylinder Supplied         0.1       1.4       0.3       Freewheeling Tim - No outside operation (No Cylinder Electrified ET Tim - Fail * Stal Cylinder Supplied         1.5       1.4       0.3       Freewheeling Tim - For 1-3/4* Door #46 Cylinder * For 1-3/4	Trim th ET Trin, specify esign after the sign afte	SARGENT         ANSI Function         Description & Cylinder Info (1-3/4* Door)         F           1 Trim bit ET Trin, specify esign after the ET ation (e.g., ET).         04         03         Night Lath Key Variates Lath Wey Variates Under He Cylinder Supplied         Wei He Cylinder Supplied           06         09         Key Unicate Time, Trim retracts Lath/ Wey Variates operation (No Cylinder)         Wei He Cylinder Supplied         Wei He Cylinder Supplied           08         for ET Controls WW         13         08         Key Outside operation (No Cylinder)         Wei He Cylinder Supplied           01         02         No outside operation (No Cylinder)         Wei He Cylinder Supplied         Wei He Cylinde	SARGENT bit Tim, humbers         ANSI Function Numbers         Description & Cylinder Info (1.34/* Door)         WS8900 Panic & Fire Numbers           04         03         Market Numbers         WS89004 x ET_ Market Medicate Status         WS89004 x ET_ Market Medicate Status           06         09         Rey Undoor Market Medicate Operation (No Cylinder)         WS89006 x ET_ Market Medicate Operation (No Cylinder)         WS89006 x ET_ Market Medicate Operation (No Cylinder)         WS89006 x ET_ Market Medicate Operation (No Cylinder)         WS8910 x ET_ Market Marke	SARGENT       ANSI Function Numbers       Description & Cylinder Info (1-3/4" Door)       WS8900 Panic & Fire         the FT rim, specify eagn after the ET inten (e.g., ET)       0.4       0.3       Market Sciences       WS8904 × ET	SARGENT Function Numbers         ANSI Function Numbers         Description & Cylinder Info (1.34*Doc)         WS8900 Panic & Fire Normality         Mediation (1.34*Doc)           the IT Time, specify eagen after the ET alian (e.g., EL)         0.4         0.3         Mediation (1.34*Doc)         WS8900 Panic & Fire Normality         Mediation (1.34*Doc)         Mediation (1.34*Doc)

Note: FLW trim is not available in 32(629) or 32D(630) Note: Thumbpiece trims used with Mortise Lock Exit Devices are handed Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

32D BSP WSP

08/24

90641

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### **UL Listed Hurricane Resistant** HC4-8700 Surface Vertical Rod Device **80** Series





#### **Features**

- Meets the abuse and high wind loads required by Florida building code including • HVHZ.
- Devices are ANSI/BHMA A156.3 Grade 1
- Note: For additional information on 8700 Series, see page 14

Surface Vertical Rod **Exit Device** 

Openings	8'0" x 8'0" (2438mm x 2438mm)
Strikes	659 Top Strike in frame with larger mounting screws for both top and bottom cases. 655 bottom strike furnished standard
Rail sizes as determined by door width	<ul> <li>Rails are available in 4 sizes, use door width to determine size needed.</li> <li>Rails will be factory cut to size, if door width is supplied</li> <li>E Rail for 24" to 32" door widths, No cutting required for 32" door</li> <li>F Rail for 33" to 36" door widths, No cutting required for 36" door</li> <li>J Rail for 37" to 42" door widths, No cutting required for 42" door</li> <li>G Rail for 43" to 48" door widths, No cutting required for 48" door</li> </ul>
Strike	659 Top Strike (Panic and Fire Rated) 655 Bottom Strike (Panic and Fire Rated)
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Top & Bottom Bolt	Stainless steel
Device Centerline	41" (1041 mm) for Standard Applications 38" (965mm) for elementary schools
Door/Opening Height	Must be specified - 96" (2438mm) Max Door Opening
Fire Exit Hardware	See Chart – Page 6

Note: Approved single openings cannot be used as a pair, but a door in a pair can be used as a single opening.

#### 659 Top Strike

- For HC4-8700/12-HC4-8700
- Latchbolt nylon coated
- Stainless steel



#### 655 Bottom Strike

- For HC4-
- 8700/12-HC4-8700
- Stainless steel
- Black nylon coated



### UL Listed Hurricane Resistant HC4-8700 Functions and Trims



### SARGENT ASSA ABLOY

#### 80 Series

Di Series ET Tri Exits with ET lever design designation	T Trim, spec n after the E		ENT									41"	
	. (9.,,	' Numl	tion	ANSI Function Numbers		tion & Cylind 1-3/4" Door		I	NSI Type 2 HC4-8700 anic & Fire		Option HC4-87	'00	
		00	5	09	Trim relo	s Trim, Trim reti cks when key is i Cylinder Suppli	removed	HC	4-8706 x ET_	Me	echanical C 12- 16- 19- 31-	ptions	
		1(	C	01	No outsid	e operation (No	Cylinder)		HC4-8710	36- 37-			
		1(	C	02		e operation (No trol is used as Pu		HC	4-8710 x ET_		43- 53- 54- 55- 56-		
ever Designs fo		13	3	08		side Unlocks/loc Cylinder Suppli		HC	4-8713 x ET_		56- 56-HK 58- 59-	-	
lso available with Co tudio Collection Lev		1	5	14	Passa	ge Only (No cyli	nder)	HC	4-8715 x ET_		BC-59 76- 85-	Ī	
T Designation w Jsed to order ET w		41		86- 87- BT- CPC-									
C4-8700 Series: 706 40, 743, 746, 773 &	774	715, 43	3	08		CPC- LD- PL- * SG- TB- <b>Cylinder Optio</b>							
reewheeling Tri he lever rotates whe ocked preventing exc	en the door i		6	09		eewheeling Trim s Trim, Trim retr s removed #41 (	acts latch/		4-8746 x ET_		ylinder Op 10- 10-21- 10-63- 11-	-	
om being applied to ver <b>lectrified ET Tri</b>		ntal 73	3			ied ET Trim - Fa Jnlocks Lever (N		HC	4-8773 x ET_		11-21 11-60 11-63 11-64	-	
oltage must be spec oltage nust be spec ollowing functions: 7 pecify: 12VDC or 24	cified for the 73 and 74.	Note: E supplied finishes,	xit device I in 32 or specify 1	32D to match ac 4/32 or 15/32D t	Power Off, all standard finishe	) is automaticall shed trims and s	o Cylinder) , 26 & 26D. W y supplied wh tainless exit d	'ith these finishes, en 26 or 26D is sp	HC4-8774 x ET_ e finishes, exit devices are r 26D is specified. For nickel		11-70-7 11-72-7 11-73-7 11-65-73 21- 22- 51- 52- 60- 63- 64- 70- 72-	'P- 'P- 'P-	
ull & Thumbpie	ece Trim S	•	trim Use th	ne six digit de	<b>Trim Des</b> ignations when esignation (Ex vice, always sp	ordering th '866-MAL")			Series		72- 73- 65-73-7 73-7P 81- 82- F1-82- 83-	'P- '-	
Function Fun	NSI action nbers	Description Info. (1-3/	& Cyli	ə nder	÷	Ĩ	·e		HC4-8700 Panic & Fire		F1-83 84- BR- LC- SC- SE- nly availab	ole wit	
10 0	02	Pull Only (No Cylind		810-FLL	810-FLW	810-MAL	810-PTB	810-STS	HC4-8710 x Trim Designation		, 26D and ishes	32D	

Note: FLW trim is not available in 32(629) or 32D(630) Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D except

08/24

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Available Finishes

SARGENT Finishes 03

04 09 10 10B 10BE

10BL

14 15 20D

20D 26 26D 32 32D BSP WSP BHMA Finishes

613E



### UL Listed Hurricane-Resistant HC8700 Surface Vertical Rod Exit Device 80 Series



#### Features

•

- Meets the abuse and high wind loads required by Florida building code including HVHZ.
- Accepted & approved with CURRIES hollow metal doors and McKINNEY hinges. Any substitution of hardware makes the Hurricane Code inapplicable.
- Devices are ANSI/BHMA A156.3 Grade 1
- Note: For additional information on 8700 Series, see page 14

Openings	8'0" x 8'0" (2438mm x 2438mm) Curries 16 gauge 747 flush, S edge
Frames	CURRIES 16 gauge KD, Pipe spacer anchors only, 12 gauge full sleeve reinforcing and existing opening anchor in head of frame
Hinges	McKINNEY TA2714 or T2714
Hardware Configuration 1	SARGENT HC8700 or 12-HC8700 Exit Devices on both leaves
Hardware Configuration 2 Vertical Rod Exit & Mortise Lock	SARGENT 8200 Series mortise lock (active), SARGENT HC8700 or 12-HC8700 exit devices (inactive), Ives 360 surface bolts at 5 3/4" (147mm) at centerline
Strikes	654 top bolt in frame with larger mounting screws for both top and bottom cases. 655 bottom strike furnished standard
Rail sizes as determined by door width	<ul> <li>Rails are available in 4 sizes, use door width to determine size needed.</li> <li>Rails will be factory cut to size, if door width is supplied</li> <li>E Rail for 24" to 32" door widths, No cutting required for 32" door</li> <li>F Rail for 33" to 36" door widths, No cutting required for 36" door</li> <li>J Rail for 37" to 42" door widths, No cutting required for 42" door</li> <li>G Rail for 43" to 48" door widths, No cutting required for 48" door</li> </ul>
Strike	654 Top Latch (Panic and Fire Rated) 655 Bottom Strike (Panic and Fire Rated)
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Top & Bottom Bolt	Stainless steel
Device Centerline	41" (1041 mm) for Standard Applications 38" (965mm) for elementary schools
Door/Opening Height	Must be specified - 96" (2438mm) Max Door Opening
Fire Exit Hardware	See Chart – Page 6

**Note:** Approved single openings cannot be used as a pair, but a door in a pair can be used as a single opening.

#### 654 Top Latch

steel

- For HC8700/12-HC8700
- Latchbolt nylon coated
   Stainless



#### 655 Bottom Strike

- For HC8700/12-HC8700
- Stainless steel



## **UL Listed Hurricane-Resistant** HC8700 Functions and Trims



### SARGENT ASSA ABLOY

#### 80 Series

	<b>)ptions</b> 0-63-	Series HC87	Function 13	Rail Lgth F	Trim ETL	Hand RHR	Outside Finish 15	Insic	<b>le Finish</b> 32D	Door Width 36"	Doo	r Height <sup>84"</sup>	<b>AFF</b> 41"		
700 Series ET Trim Exits with ET lever design a designation (e	Trim, spec after the E	tify	ARGENT Function Numbers	ANSI Function Numbers	D		n & Cylinder Info /4" Door)			NSI Type 2 HC8700 anic & Fire		Optio нс87	700		
designation (e	e.g., LTL)		06	09		rim relocks v	m, Trim retracts latch/ when key is removed inder Supplied	Н	C8706 x ET_	Mechanical 12 16 19 31					
0			10	01	No	o outside ope	eration (No Cylinder)*			HC8710		36 37 43	-		
			10	02			eration (No Cylinder)* s used as Pull Only	Н	C8710 x ET_	43- 53- 54- 55-	-				
Lever Designs for A, B, E, F, J, L, P, W			13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied				Н	C8713 x ET_	56- 56-HK- 58- 59-				
Also available with Coa Studio Collection Lever		s &	15	14	4 Passage Only (No cylinder)					C8715 x ET_	BC-59- 76- 85-	-			
ET Designation wit (Used to order ET wit			40	02	No outsid		neeling Trim - (No Cylinder)* Dummy	Trim	HC8740 x ET_			86- 87- BT- CPC-			
HC8700 Series: 706, 71 740, 743, 746, 773 & 77	74	15,	43	08	I	Key Outside	neeling Trim - Unlocks/locks Trim inder Supplied		НС		LD- PL- * SG- TB-	- - 3- -			
Freewheeling Trin The lever rotates when locked preventing exce	the door i essive force	е	46	09		y unlocks Tri	neeling Trim - m, Trim retracts latch/ noved #41 Cylinder Sup	plied	Н	C8746 x ET_		Cylinder Option: 10- 10-21- 10-63- 11-			
from being applied to t ever <b>Electrified ET Trim</b>		ntal	73		Pow		ET Trim - Fail Safe :ks Lever (No Cylinder)*	Н	C8773 x ET_		21- 0- 3- 4-				
Voltage must be specif following functions: 73	fied for the	9	74				T Trim - Fail Secure s Lever (No Cylinder)*		Н	C8774 x ET_		11-64- 11-70-7P- 11-72-7P- 11-73-7P-			
Specify: 12VDC or 24VI		su fir	upplied in 32 or hishes, specify 1	32D to match ac 4/32 or 15/32D	cordingly. 3 to receive ni	2 or 32D is a ckel finished	cept 14, 15, 26 & 26D. N automatically supplied w trims and stainless exit Above Einiched Floor	hen 26	or 26D is spe			11-65-7 21 22 51 52	'3-7P- - -		

Note: AFF means Above Finished Floor, center line of rail Above Finished Floor

		Note: AFF mean * Cylinder Over	ns Above Finisheo ride is available w	to receive nickel ininshed trims and stainless exit device J Floor, center line of rail Above Finished Floor ith a 306 Aux Control //G x 306 x RHR x 32D x 36" w x 84"h	s	52- 60- 63- 64- 70-
300 Series* Auxiliary Control	& 862 Pull	SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	HC8700 Panic & Fire	70- 72- 73- 65-73- 65-73-7P- 73-7P- 81-
	1	06	12	Key unlocks Turn, Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied	HC8710 x 306	82- F1-82- 83- F1-83-
1		10	02	862 Pull Only (Optional Pulls: 863 & 864)	HC8710 x 862	84- BR- LC- SC- SE-
300 Series Aux. Control	862 Pull	13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	HC8710 x 313	* Only available with 15, 26D and 32D finishes

Note: When ordering HC8700 Series Exit Device x 300 Series Aux. Control, specify 10 Function for the exit. Example: HC8710F x 306 x RHR x 32D x 42" x 90"

#### F

Pull & Thum	vice with	Series		lable shes						
		trim • Use the s without a	ix digit des n Exit Devi	<b>•</b> -	SARGENT Finishes	BHMA Finishe				
SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinde Info. (1-3/4" Door)	er j	0		.6	•	HC8700 Panic & Fire	03 04 09 10 10B 10BE	605 606 611 612 613 613E
10	02	Pull Only (No Cylinder)*	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	HC8710 x Trim Designation	10BL 14 15	613L 618
Note: FLW trim	n is not available	e with a 306 Aux Control e in 32(629) or 32D(630) rims are not available in 14, 15, 26	or 26D						20D 26 26D 32 32D BSP	619 624 625 626 629 630



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внма Finishes

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# **UL Listed Tornado-Resistant** FM8700 Surface Vertical Rod Exit Device

#### **80** Series

## SARGENT

#### ASSA ABLOY



Doors and Frames	CECO DOOR and CURRIES StormPro <sup>®</sup> Series Door Assemblies - 6'0" x 6'8" to 8'-0" x 8'-0" for pairs of fire rated doors
	- 3'0" x 6'8" to 4'-0" x 8'-0" for single fire rated doors (Requires 4 Thermal Pins)
Hardware	SARGENT FM8700 or 12-FM8700 Exit Device on both leaves or single door applications
Hinges	McKinney SP3386/SP3786 StormPro® Tornado Resistant Butt Hinges McKinney MCK-HG305 Continuous Hinges Markar HG305 Continuous Hinges
Strikes	659 Top Strike in frame and 653 Bottom Strike furnished standard 655 Bottom Strike optional
Shim Kit	569 Shim Kit furnished standard
Rail sizes as determined by door width	<ul> <li>Rails are available in 3 sizes, use door width to determine size needed.</li> <li>Rails will be factory cut to size, if door width is supplied</li> <li>F Rail for 36" door width</li> <li>J Rail for 37" to 42" door widths, No cutting required for 42" door</li> <li>G Rail for 43" to 48" door widths, No cutting required for 48" door</li> </ul>
Dogging Feature	Hex key dogging available on non fired rated devices only
Electric Options	54- Outside Lever Monitoring Option
Mounting Fasteners	Supplied standard with machine screws and with throughbolts for the latch cases
Top & Bottom Bolt	Stainless steel
Device Centerline from Finished Floor	41" (1041mm) for Standard Applications 38" (965mm) for elementary schools
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76mm) Pushbar Depressed – 2-1/8" (54mm)
Fire Exit Hardware	See Chart – Page 6

2-1/8

(54mm)

 $\bigcirc$ 

2-5/16"

(59mm)

2-3/4"

(70mm)

1/2'

(13mm)

Black nylon coated

#### 659 Top Strike

- For Panic & Fire Rated
- Latchbolt nylon coated
- Stainless steel



#### 653 Bottom Strike

1-3/4" • Provided as standard (44mm) • Panic and Fire-Rated  $\bigcirc$ 

#### 655 Bottom Strike

- Stainless steel
- Black nylon coated
- UL305, UL10C and BHMA Grade 2 Certified



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655 Strike must be specified at time of order. Default option remains 635 strike

Note: See assembly guide card UL website for all available FEMA and ICC 500 (2014/2020) rated options

# UL Listed Tornado-Resistant FM8700 Functions and Trims

#### 80 Series

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#### ASSA ABLOY

low to orde	r: Option 12-	n <b>s Ser</b> i FM		n Rail Lgth F	Trim Hand ETL RHR	Outside Finish 15	Inside Finish 32D	Door Width 36"	Door Height 84"	<b>AFF</b> 41"
00 Series E	T Trim		SARGENT	ANSI			А	NSI Type 2	Optio	ons
	vith ET Trim, s lesign after th		Function Numbers	Function Numbers		& Cylinder Info '4" Door)		FM8700 anic & Fire)	FM87	00
design	ation (e.g., E	ΓL)	06	09	Trim relocks w	m, Trim retracts latch/ /hen key is removed nder Supplied	FN	/18706 x ET_	Mechanical 12- 36-	
			10	01	No outside ope	eration (No Cylinder)*		FM8710	37- 43- 54- 76-	
ever Design	ns for ET Co	ontrols	10	02		eration (No Cylinder)* s used as Pull Only	FN	/18710 x ET_	85- 86- 87- CPC	
, B, E, F, J, L, F lso available w tudio Collectio	P, W ith Coastal Se		13	08		unlocks/locks trim nder supplied	FN	/8713 x ET_	LD- PL- * SC TB-	i-
T Designati Jsed to order	ET without	device)	40	02	No outs	neeling Trim - side operation er)* Dummy Trim	FN	/18740 x ET_	<b>Cylinder C</b> 10- 10-2 10-6	1-
M8700 Series: 46 & 774 <b>reewheelin</b>		, 743,	43	08	Key Outside	neeling Trim - Unlocks/locks Trim nder Supplied	FN	//8743 x ET_	11- 11-2 11-6 11-6	1- 0-
he lever rotates ocked preventir om being appl	ng excessive f	orce	46	09	Key unlocks Trii relocks whe	neeling Trim - m, Trim retracts latch/ en key is removed nder Supplied	FN	/8746 x ET_	11-6 11-70- 11-72- 11-73-	7P- 7P- 7P-
ver lectrified E	T Trim		74		Electrified E	r Trim - Fail Secure s Lever (No Cylinder)*	FN	/18774 x ET_	11-65-7 21- 22- 51-	
following functions: 73 and 74. Specify: 12VDC or 24VDC			supplied in 32 or 3 finishes, specify 14 <b>Note:</b> AFF means * Cylinder Overric	32D to match acce 4/32 or 15/32D to Above Finished F de is available with	III standard finishes, exc ordingly. 32 or 32D is at receive nickel finished t floor, center line of rail A ra 306 Aux Control MG x 306 x RHR x 32D :	tromatically supplied wh trims and stainless exit of Above Finished Floor	nen 26 or 26D is spe		60- 63- 64- 70- 72- 73- 65-7	
									65-73 65-73 73-7 81- 82- F1-8 83- F1-8	7P- P- 2-
300 Se Contro	eries Auxili ol	ary*	SARGENT Function Numbers	ANSI Function Numbers		& Cylinder Info 4" Door)		FM8700 anic & Fire	84- BR- LC- SC-	-
			06	12	Turn relocks wh	, Turn retracts latch/ nen key is removed der Supplied	FN	18710 x 306	* Only availa 15, 26D an finishes	ble wi
			13	11		Inlocks/locks Turn der Supplied	FM	18710 x 313	Availa Finisł	nes
					s Exit Device x 300 Serie	es Aux. Control, specify	10 Function for the	exit.	SARGENT Finishes	BHM/ Finishe
			Example: FM8710I	1 Χ 300 X ΚΠΚ Χ 32	LU X 42 X 7U				03 04 09 10 10B 10BE 10BL 14 15	605 606 611 612 613 613 613 613 613 613 613

51

WSP

#### ElectroLynx Connector & Color Chart

#### Electrifed Trim (Solenoid ET and/or 54-) requires its own QC8 Hinge

	8 PIN CONNECTOR										
PRODUCT	1- Black	2- Red	3- White	4- Green	5- Orange	6- Blue	7- Brown	8- Yellow			
ELECTRIFIED EXIT TRIM		wer		ever Monitori	<u> </u>						
Solenoid Functions and	solenoid	ET Trim	5	4- Switch Opt	ion						
Lever Monitoring	NEG	POS	С	NO	NC						

Note: For more information on ElectroLynx® Retrofit Kits and harnesses, see instruction document A7738, located at the SARGENT web site

#### Electrified Exit Devices will require their own QC8 or QC12 Hinge as determined by specified options (see chart below)

	8 PIN CONNECTOR										I CONN	ECTOR	FLY	FLYING LEADS			
PRODUCT	1-	2-	3-	4-	5-	6-	7-	8-	9-	10-	11-	12-	13-Red/	14-Red/	14-Red/		
	Black	Red	White	Green	Orange	Blue	Brown	Yellow	Violet	Gray	Pink	Tan	Green	Yellow	Black		

EXIT DEVICES	Ρον	wer	L	atch Monitor	ing	Ra	ail Monitori	ng	56-		
56- & 58-			5	3- Switch Opt	ion	55-	Switch Opt	tion	56- TIMER CIRCUIT		
80 Series Exits	NEG	POS	С	53-NO 56-EG	53-NC 53-56-NO	С	NO	NC	А	В	

DELAYED EGRESS EXIT DEVICES															
59-80 Series	Pov	wer	Fire	Earth	External	Door	Remo	te Alarm	Relay	LBN	M - OPTI	ON	VC	ICE/GAI	NG
Electroguard	NEG	POS	Alarm	Ground	Inhibit	Status	С	NO	NC	С	NO	NC	С	NO	NC

All electrical options are supplied with ElectroLynx® connectors and require McKINNEY QC Hinges and cables to complete the system

Electrical Option Availability Chart									
Primary Options	Compatible Options								
12- Fire Rated	AL-	BT-			53-	55-	56-	58-	59-
*AL- Alarmed Exit			12-		53-			58-	
16- Cylinder Dogging					53-	55-	56-	58-	
53- Latch Monitoring	AL-		12-	16-‡-		55-	56-	58-	
55- Rail Monitoring			12-	16-‡-	53-		56-	58-	
56- Electric Latch Retraction			12-	16-‡-	53-	55-			
58- Electric Dogging	AL-		12-	16-‡-	53-	55-			
**59- Electroguard®			12-						

How to use this chart: Select appropriate option in the left column, under "Primary Option", then follow the row to find compatible options. **Note:** Underlined compatible options affect minimum door width. Consult factory

\* The AL- design includes monitored push rail

\*\* The 59- design includes monitored push rail and latch

# Security Shim Kit

#### 80 Series

#### Exit Device Security Shim Kit

The SARGENT 541 Exit Device Security Shim Kit fills the gap between the exit device and the glass creating a flush surface. This kit can be easily trimmed and installed to accommodate most door styles without removing the SARGENT push rail exit device.

This not only responds to the ever increasing need for improved building security, but also maintains the facility's aesthetic design.



#### Features & Benefits:

• Nylon and brushed aluminum construction can be easily cut and trimmed for custom fit

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ASSA ABLOY

- Fits all doors up to 48" wide and stiles ranging from 4-1/2" to 6"  $\,$
- Adjustment shims accommodate gaps from 3/8" to 3/4"
- 6 Lobe tamper proof security screws are included
- A T10 Torx driver required for assembly
- Fasteners are countersunk for flush finish
- 541 Kit contains a 48" shim, ready to be sized

#### How to order:

• 541 Kit

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# SARGuide™ Options (PL-) and Latch Bolt Monitoring Option (53-)

#### 80 Series

SARGENT

#### PL- Photoluminescent Option (non-electrified)

SARGuide<sup>®</sup> PL Exit Device – with photoluminescent coating – is a non electrical option which produces visible EXIT signage in darkness or low lit areas.

- Approved for use in New York City in accordance with RS 6-1 and RS 6-1A
- Recharges from ambient light
- No wiring or maintenance needed
- Available for all door widths
- Order as a PL- option
- (e.g., PL-8713F x ETMA x 32D x 36" x 84")



As part of their promise to provide innovative solutions to their customers, ASSA ABLOY Group companies offer the LiteGuide<sup>™</sup> system, a luminescent egress marking system. LiteGuide<sup>™</sup> installation is facilitated by ASSA ABLOY's ElectroLynx<sup>®</sup>, a universal quick-connect system that simplifies the electrification of the door.

LiteGuide<sup>™</sup> is a trademark of ASSA ABLOY Inc.

#### 53- Latch Bolt Monitoring Option

The latch monitor provides tamper resistant latch monitoring, not just rail movement sensing. The monitor switch is activated when the rail is depressed or where there is movement of the latch.

- Switch type SPDT form "C" contacts
- 30 VDC@2 Amp. maximum rating
- All wires run through rail
- Field installation kits are not available
- Available for all door widths
- Adjustable switch bracket to fine tune sensitivity: set screw pivot bracket allows precise adjustment for more accurate notification of latchbolt movement (8500 and 8800 Series only).
- Available with all 80 Series Devices, except LP, LR, LS, PP-, PR- & SP8600, FM8700
- 5lb. pressure released (5CH) option available.
- See page 74 for compatible options
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a 53- option (e.g., 53-8813F x ETJ x 32D x 36" Door)



1780 **54** 1-8

# Alarm Option (AL-) Request-to-Exit Option (55-)

#### **80** Series

#### **AL- Alarm Option**

SARGENT's AL-80 Series Exit Devices are designed for areas requiring a stand-alone alarm on outward swinging doors. This device has an integrated alarm in the push rail to discourage the unauthorized use of emergency exit doors. The alarm inside the rail sounds immediately upon exit. The AL-80 Series is ideal for rear exterior doors, doors leading to a rooftop, or anywhere security is a concern.

#### Features

- Microprocessor based alarm board
- When armed, alarm sounds immediately upon rail depression
- All exit devices have tamper resistant latching (Guarded Latch)
- Battery powered 9VDC
- 103 Db @ 8 ft pulsating horn
- Flashing red LED provides visible violation indication, reset by key only
- Low battery alert

#### 545 Alarm Retrofit Kits

Alarm retrofit kits available for the following 80 Series devices - 8300, MD8600, WD8600, GL-8800, and 8900 only. (GL-8800: Rim device with quarded latch)

Kit #	Device Style	Pivot to Pivot	Rail Size
545-1	Wide 11-1/4"		F
545-2	Nemeri	11-1/4"	F
545-2	Narrow	8-1/2"	E
*545-3	Wide	20-1/2"	G
545-4	Narrow	20-1/2"	G
545-6	Narrow	14"	J
545-7	Wide	14"	J

\*Note: #41 Cylinder is not supplied standard and must be ordered separately

#### 55- Request-to-Exit Option

SARGENT Request-to-Exit Signal Switch option for exit devices provides push rail monitoring for a variety of applications; such as to sound an alarm, initialize a delayed egress system, or de-energize an electromagnetic lock.

Field selectable continuous alarm

Harness recommended

• UL Listed and cUL Listed

standard internal features

off set cam

• Automatic re-arming option

option-3267 Power Supply and 546

Supplied with a #41 (1-1/8") with standard

• UL Listed to Canadian Safety Standards

Rail Monitoring & Guarded Latch are

Switch type SPDT form "C" contacts

- 30 VDC@2 Amp. maximum rating
- All wires run through rail
- Available with all 80 Series devices, except for FM8700
- 5lb. pressure released (5CH) option available.
- See page 74 for compatible options

#### Universal 855 Retrofit Kit

- Retrofits existing 80 Series device installations with Request-to-Exit Signal Switch option
- Available for wide and narrow stile devices and 8895 Active Dummy Rail
- Compatible with all rail sizes (E, F, J, G), minimum rail length 26"
- Can not be used with 56- rails
- To order separately, order as 855

- Minimum Door Widths:
- Narrow Stile Door 24"
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a 55- option (e.g., 55-8913F x ETMA x 32D x 36")

ര

- J-42"-37"; G-48"-43" See page 74 for compatible options
  - Solutions Catalog for QC Hinge and cable requirements (if hard wired)
  - (e.g., AL-8916F x ETJ x 32D x 36" Door)

#### 546 Wiring Harness

Harness allows for remote control of the alarmed exit device

- Remote Alarm Reset-reset from remote location
- External Inhibit shunts alarm from remote location
- Remote Power allows unit to be wired to a 9VDC power supply (3267)
- · Remote Monitor allows unit to be wired to remote console
  - Order as:
  - 546 Wiring Harness (For AL- option) Mfg. prior to 7/1/04 - 546-F - Wiring Harness for F-Size Rails - Mfg. after 7/1/04
  - 546-G Wiring Harness for G-Size Rails Mfg. after 7/1/04
  - 546-J Wiring Harness for J-Size Rails Mfg. after 7/1/04

Available with all 80 Devices, except LP, LR, LS8600, FM8700,WS & HC8800 Devices

- Minimum Door Widths:
- Wide Stile Door : E-n/a; F-36" only; J-42"-39"; G-48"-43'
- Narrow Stile Door: E-32" only; f-36"-34";
- See McKINNEY's Transfer Device
- Order as an AL- option

# ASSA ABLOY

SARGEN







# Electric Latch Retraction Option (56-)

#### 80 Series

### SARGENT ASSA ABLOY

SARGENT's Electric Latch Retraction exit device is the perfect choice for high traffic egress doors that require access control. This non-handed exit device rail is durable and easy to install. It utilizes a latch retraction motor rather than a solenoid, ensuring quiet operation ideal for locations such as conference rooms, theaters and libraries. Once retracted, the door functions in a push/pull manner.

The 56- exit device can be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator. The device can be dogged continuously on fire-rated devices that are tied into the building's fire detection system.



#### 56- Electric Latch Retraction Features

- 5 year warranty
- Patent pending and/or patent www.assaabloydss.com/patents
- Field serviceable -modular design
- Motor driven latch retraction for smooth, precise operation
- Amount of rail retraction is automatically controlled by the 56circuitry; System actively monitors its position and adjusts itself
- Digital retraction timer (0-20 seconds; factory setting is 5 seconds)
- Non-contact Request-to-Exit (55-) switch available
- Retrofit kits available see next page
- Standard electric hinge no special power transfer required
- Can be used for continuous and intermittent use
- UL Listed for Class II Circuitry
- 5lb. pressure released (5CH) option available.
- Power Requirements: 24VDC regulated/filtered power supply (3500 Series)
- Current draw: .6A during retraction and .25A maintained in dogged hold position
- Requires 1A at 24VDC regulated/filtered power supply
- Available for all 80 Series exit devices (except FM8700)
- See page 74 for compatible options
- Minimum Door Widths: - Wide Stile Door 28"
  - Narrow Stile Door 28"
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a 56- option (e.g., 56-HK-8913F x ETMF x 32D x 36")

Note: HK- and 16- are not available for Fire Rated Doors Note: The 56- Option is not supplied with Manual Dogging (Hex Key or Cylinder Dogging) unless specified

#### **Optional Accessories**

- 3500 Series Power Supply
- 4370 Keyswitch
- 4291/4292 Keypad
- 3287 Door Status Switch
- Norton Automatic Door Operator
- Norton ADA Push Switch or Wave to Open Switch



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### Electric Latch Retraction Motor Kits and Push Rail Kits 80 Series

# SARGENT

#### ASSA ABLOY

20-1/2" = "G" Rail

			M56- Motor I	Retrofit Kits			
		Upgradea	able Design	Upgrade using	g R56 Kits only	Rail Sizes	
The 56- Motor Retrofit Kits can only be added to 80 Series Exit Devices* manufactured after 2006 & P Series Exit Device			Exit Devices that are upgradable have straight push rail nose & tail; manufactured starting in 2007	X	Exit Devices with a stepped Nose & Tail, produced prior to 2007, require the R56 Kits; the Push must be replaced	Pivot to Pivot Dimension	
56- Push Retrofit Kit Number	Type of Device to be Upgraded	к	its Descriptio	n: 56- Motor	Kits	Rail Size is determined by the Pivot to Pivot Dimensions	
M56A x Rail Size	80 Series & P Series Exit Device*	Retrofits	standard mechani	bon wiring.	8-1/2" = "E" Rail**		
M56B x Rail Size	53-80 Series Exit Devices*		3- Exit Devices. Do to reconnect to the	Signal Switch. assis Signal Switch.	11-1/4" = "F" Rail**		
* Except Exit Devic	Except Exit Devices with a stepped Nose & Tail, produced prior to 2007 and all FM8700 Series Exit Devices						

\*\* Motor Retrofit Kits are identical for E and F size Rail Assemblies

• 55-M56 Kit: Request to Exit Signal Switch is integrated into the connecting arm within the rail

• 56- Motor Retrofit Kits can be used with 855 Request to Exit Kit or 816 Cylinder Dogging Kits

• Kits require a minimum insert length of 5" for 56- & 7" for 16-56- for the electronics

• Rail size is needed when ordering to supply the correct length wires

Option Available: 55- Non-Contact Request to Exit switch How to Order: M56A (Kit #) x F (Rail Size) Kit includes: Motor Bracket Assy, Motor Controller & Fasteners

		R56- Retrofit Kits with Push Rail		
		Upgradeable Design Mounting Rail Pivots	Rail Sizes	
The 56- Push Retrofit Kits can only be added to 80 Series* Exit Device manufactured after 1995		Upgradable Exit Devices do not have Pivots in the Mtg Rails; manufactured starting in 1995	Pivot to Pivot Dimension	
56- Push Retrofit Kit Number	Type of Device to be Upgraded	Kit Descriptions: 56- Push Retrofit Kits	Rail Size is determined by the Pivot to Pivot Dimensions	
R56A x Rail Size & Finish	80 Series Exit Device*	Retrofits standard mechanical rail. Contains ribbon wiring.	8-1/2" = "E" Rail	
R56B x Rail Size & Finish	53-80 Series Exit Devices*	Retrofits 53- Exit Devices. Does not include 53- Signal Switch. Contains wiring to reconnect to the pre-existing 53- Chassis Signal Switch.	11-1/4" = "F" Rail	
Except 80 Series	Exit Devices produ	uced prior to 1995 and all FM8700 Series Exit Devices	14" = "J" Rail	
0	-	5- Switch will be eliminated.	20-1/2" = "G" Rail	

• For 55-56- Rail Assemblies, use either a 55-R56 Kit or a R56 Kit with a 855 Kit

• R56A & R56B Kits can be used with 855 Request to Exit Kit or 816 Cylinder Dogging Kits

• Kits require a minimum insert length of 5" for 56- & 7" for 16-56- for the electronics

Options:

19- Push Rail less the Black Lexan Touch Pad

55- Non-Contact Request to Exit switch

HK- Hex Key Dogging to allow for manual dogging of the device

SG- MicroShield<sup>®</sup> antimicrobial clear powder coat (only available with 15, 26D and 32D finishes)

How to Order: R56A (Kit #) x F (Rail Size) x 32D (Finish);

Kit includes: Motor Bracket & Push Rail Assy, Motor Controller & Fasteners

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#### 80 Series

#### 58- Electric Dogging

Libraries, auditoriums, theaters, courtrooms, churches and schools benefit from the convenience of electric dogging (unlocking). When the 58-80 Series exit device is energized and the push rail is depressed, it will continuously hold the push rail down and the latch(es) will be held retracted.

When the device is de-energized or power is interrupted, the latch(es) will extend. This feature is ideal for areas that require the silent operation of exit device hardware.

#### 58- Features

- Provides quiet ingress and egress when dogged
- Standard electric hinge no special power transfer required
- Manual hex key dogging provided on non-fire rated devices
- UL Listed for Panic and Fire (12-)
- Holding force 70 lbs. min.
- Power Requirements: 24VDC regulated/filtered power supply (3500 Series)
- Current draw: .2 amp
- Available for all 80 Series Devices, except FM8700 Devices
- See page 74 for compatible options

- Available for all door widths
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a 58- option (e.g., 58-8813F x ETJ x 32D x 36" Door)

#### **Optional Accessories**

- 4370 Key Switch
- 3287 Door Status Switch
- 3520, 3540, 3550, or 3570 Power Supply

#### 59- Self Contained Delayed Egress Device

Commonly used in schools, nursing homes, shopping centers and libraries, delayed egress exit devices provide a means of monitoring egress to prevent unauthorized exit. When the exit device push pad is depressed, the 59-80 Series delayed egress exit device sounds an alarm from the rail to alert personnel that someone is attempting egress. The exit device stays secure for fifteen seconds, allowing time for personnel to respond.

Momentary release for egress (adjustable for 5, 10, 20 or 40 seconds) is provided by a cylinder on the rail or from a remote location. When the fire alarm system is activated (if connected), the exit device disarms and allows immediate egress.

**Note**: As of February 2014, the 59- option has a new design. The updated 59- functionalities utilize new sensor technologies and is only available for order as a complete device. Component upgrades are not offered with prior generation products because wire harnesses are not backwards compatible. When replacing an existing device with an updated one, there is no change to door templating or mounting

#### 59- Features

#### Compliance

- Conforms to NFPA 101 Special Locking Arrangements
- Available in UL Listed Panic and Fire Rated (12- option) devices
- UL294 Listed for Special Locking Arrangements
- When ordered with BC- option, complies with BOCA code relating to delayed egress. Requires door status switch (3287) ordered separately

#### Operation

- Depressing the push rail for one second or longer initiates an alarm
- LED visual notification system for easy identification of armed device; LED lights are field-selectable as red or green
- Momentary or maintained egress with key OR from a remote location
- Alarm disabled by key in the rail OR by remote reset
- Alarm sounds for fifteen seconds during unauthorized egress; after fifteen seconds lock releases. 30 second delay available with written permission of Authority having Jurisdici
- Field adjustable nuisance delay (0 or 1 second)
- External inhibit features with authorized egress, card reader access and scheduled delayed egress from access control panel

#### Specifications

- Rod guards must be used on surface vertical rod devices. Consult factory for more information
- Standard size 41 mortise cylinder in rail
- Field adjustable momentary time delay preset for five seconds at factory
- 80dB horn enclosed in rail assembly
- Uses standard electric hinge no special power transfer required
- Guarded & monitored latch and rail standard
- Power Requirements: 24VDC regulated/filtered power supply
- Key override capabilities
- Current draw: .2 amp. nominal, .5 amp (max) with optional features
- Minimum Door Widths:
   Wide Stile Door 32"
- Narrow Stile Door 32"
- Ability to gang up to 12 doors
- Shipped with decal "Emergency Exit Only. Push until alarm sounds. Door can be opened in 15 seconds"
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Available for all 80 Series devices, except LP, LR, LS, SP8600, FM, ND8700, MS, and HC8800 Devices
- Order as a 59- option (e.g., 59-8813F x ETJ x 32D x 36" Door)
- See page 74 for compatible options

#### Installation & Maintenance

• Diagnostic LEDs on PC board for easy troubleshooting



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# Electrified and Monitored (54-) ET Trims and Power Supplies

#### 80 Series

# SARGENT

#### **Electro-Mechanical ET Lever Handle Controls**

EcoFlex<sup>®</sup> ET trim provides remote means of locking and unlocking of the lever. This trim operates from 12-24 VDC. Rim and Mortise Exit Devices are available with cylinder override. Cylinder override can be added to the other series with the use of a 100 or 300 series Auxiliary Control, except NB8700 devices.

#### 73 & 74 Function ET Trim

- Available for all 80 Series Exit Devices
  - Requires a McKINNEY QC8 Hinge for EcoFlex<sup>®</sup> ET Trims and/or 54- option
  - Features EcoFlex<sup>®</sup>
- Voltage: Operates from 12-24 VDC. (Voltage must be specified)
  - Actuator Draw = 400mA inrush / 15mA continuous
- @ 12VDC / 24VDC
- Operating Temp.: Max. 151°F (66°C) Min -31°F (-35°C).
- Full wave rectification installed inside the ET Control
- UL and cUL listed for use on fire doors
- 5lb. pressure released (5CH) option available.
- Field reversible
- EcoFlex<sup>®</sup> Trim is specified by the product function
- 73 Function Fail Safe Lever is unlocked when power is off no cylinder override
- 74 Function Fail Secure Lever is locked when power is off no cylinder override
- Cylinder override available with the use of 100 or 300 Series Auxiliary Control, except NB8700 devices

Note: Repeated operation at voltage exceeding +/- 10% is not recommended

#### 54- Option- Lever Monitoring

- Available with all 80 Series exit devices x ET trim with these functions 06, 13, 15, 16, 73, 74, 75 & 76
- Requires a McKINNEY QC8 Hinge for 54- and/or EcoFlex® ET Trims
- Switch type SPDT form "C" contacts
  - 30VDC @ 2 Amp. maximum rating
- Monitors lever rotation, can be incorporated into alarm systems or in conjunction with an electromagnet
- Must specify hand, non-reversible
- Not available with Freewheeling Trim

#### 12VDC & 24VDC Power Supplies:

- UL Class 2 Listed
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED.
- In the event of a DC short the problem is confined to the zone of difficulty
- Fire alarm interface standard



SARGENT MODEL No.	DESCRIPTION
3521	12V - 1 AMP POWER SUPPLY
3541	12V - 3 AMP POWER SUPPLY
737	12V - 5 AMP HOUR BACKUP BATTERY

SARGENT MODEL No.	DESCRIPTION
3520	24V - 1 AMP POWER SUPPLY
3540	24V - 2 AMP POWER SUPPLY
3550	24V - 4 AMP POWER SUPPLY
3570	24V - 6 AMP POWER SUPPLY
738	24V - 5 AMP HOUR BACKUP BATTERY

### 75 & 76 Function ET Trim

• Available for all 80 Series Exit Devices

Features EcoFlex® technology

- Requires a McKINNEY QC8 Hinge for Ecoflex ET Trims and/or 54- option
- Voltage: Operates from 12-24 VDC. (Voltage must be specified)
- Actuator Draw = 400mA inrush / 15mA
- continuous @ 12VDC / 24VDC
- Operating Temp.: Max. 151°F (66°C) Min -31°F (-35°C).
- Full wave rectification installed inside the ET Control
- UL and cUL listed for use on fire doors
- 5lb. pressure released (5CH) option available.
- Field reversible
- EcoFlex<sup>®</sup> Trim is specified by the product function
- 75 Function Fail Safe Lever is unlocked when power is off with cylinder override
- 76 Function Fail Secure Lever is locked when power is off with cylinder override
- Key retracts latch mechanically

**Note:** Repeated operation at voltage exceeding +/- 10% is not recommended

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Series Auxiliary % is not recommended

# ET Trim, Levers and Pulls

80 Series

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# Coastal Series Levers and Thumbpiece Pulls

#### 80 Series

• Coastal Series<sup>™</sup> levers can be used with S - Sanibel™ R - Rockport™ all SARGENT 80 Series exit devices with ET trim • All levers - solid cast brass • All standard functions available • Finishes available: 03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, BSP 4-1/16 2-1/2 (103n (64r 13/16" (21mm) 4-1/4= (108mm) Y - Yarmouth™ G - Gulfport™ •





**Pulls and Thumbpieces Trims** 



# These trims are through-bolted, creating perfect alignment of center case, thumbpiece and cylinder, as required. Through-bolts pass through the chassis of the devices and are bolted directly to the trim. FSL, FSW, MSL and PSB pulls are used with 12-8804 and 8804 only, they are identical to FLL, FLW, MAL and PTB pulls except the cylinder hole is located 3/8" (9mm) lower. The 802-PTB plate is a flat plate which can be used to cover existing door preps and is as ANSI/BHMA function 01.





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PTB/PSB

6



MAL/MSL





802-PTB





Experience a safer and more open world Studio Collection trim is available in a broad array of designs and finishes. It allows for uniformity throughout a facility using the 8200, R8200 and 7900 Series Mortise Locks, Access Control Products, 80 Series Exit Devices, DL and RDL Series Tubular Locks. All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Product Selector at selector.sargentlock.com to mix and

All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Product Selector at selector.sargentlock.com to mix and match styles and finishes.



<sup>1</sup>Lever returns within 1/2" (13mm) of door face

<sup>2</sup>Not available in 32D or 32 finish

<sup>3</sup>MA & MO are Non-Handed Levers)

# Studio Collection Levers

80 Series

### SARGENT

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<sup>1</sup> Lever returns within 1/2" (13mm) of door face

 $^{\rm 2}$  Gramercy levers are customized. See page 65 for ordering information

- <sup>3</sup> H003-H006 Contain white or black polycarbonate inserts. Not available with MicroShield® antimicrobial coating.
- <sup>4</sup> Not available in 32 or 32D finish

 $^{\scriptscriptstyle 5}$  Handed Levers

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# How to Order Gramercy Series Levers

#### 80 Series

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#### **Gramercy Series Levers**







REM, RGM

RCM

RAG, RAL, RAM\*\*, RAS

#### **Gramercy Finish Codes**

ANSI/BHMA Finish	SARGENT Finish	Gramercy Code*	Description	
630	32D	30	Satin Stainless Steel	
629	32	29	Bright Stainless Steel	
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent	
N/A	BSP	BS	Black Suede Powder Coat	
N/A	WSP	WS	White Suede Powder Coat	
N/A	N/A	ВК	Black (Santoprene™ or leather insert)	
N/A	N/A	BN	Brown (leather insert)	

\*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

#### **Gramercy Lever Descriptions & Available Finishes**

Lever Designation	Lever Description	Available Finishes (AS ORDERED)		
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS		
RAL	Leather Insert	30BK, 30BN, 29BK, 29BN, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS		
RAM	Satin Metal Insert	2930** only (SEE NOTATION)		
RAS	Santoprene Insert	30BK, 29BK, 3E3E, BSBS or WSWS		
RCM Raised Band		2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS		
REM	Plain	2929, 3030, 3E3E, BSBS or WSWS		
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS		

\*\*Notes for two-tone finishes:

• 2930 Finish: grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32.

• 3029 Finish: grip of lever is 32, balance of lever is 32D. Rose/escutcheon and lock finish will be 32D.

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless, BHMA finish 629

Sample order on how to specify an Exit Device with Gramercy levers					Gramercy Lever information										
	Options	Series	Function	Rail Size	Voltage	Trim	Lever		Finish		Hand	Inside Finish	Door Width	Opening Height	AFF
	Select	: from 80	Series catal	og	Specified for electrical functions	Select from 80 Series catalog	Leather insert		tainless st own leath		RHR RH, LHR, or LH	Select from 80 Series catalog		For vertical rod devices	Above Finished Floor
	10-	87	73	F	12VDC	F	RAL	29	BN	29	RH	32D	36"	84"	41"



# Anti-Vandal Trim, 988 Surface Bolt, ET Plates and Dummy Rails

#### 80 Series

Anti-Vandal Trim



Designed for exterior doors that require extra security or resistance to vandalism, anti-vandal trim (AVT) plates have an extended lip on the active side of the door to provide extra protection for the latchbolt. A matte plastic coated grip provides a comfortable pull over wide temperature ranges. Fully through-bolted with no exposed exterior fasteners for a cleaner look and increased security.

#### 

#### Features

• Heavy duty 12 gauge stainless steel in 32D finish

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- Through-bolted for added strength
- Handed Specify RHR or LHR
- ADA Compliant
- #34 Rim Cylinder supplied for 8804
- #41 Mortise Cylinder supplied for 8904
- Night Latch and Dummy Functions available
- Available for MD & WD8610, 8710, 8804, 8810, 8904 & 8910 Devices
- Options not available with AV trim: 1-, 31, 49, 50, 68, 69, 76, 77, 85, 86, 87, DX & SG
- Without protective lip for inactive door
- AVT Retrofit Kit works easily with existing product with minor prep modification
- Order by part number (826, 824, 821 or 827) as determined by product & function below

Part Number	Description	Application
826	Cylinder, but No Protective Lip	8804 Mfg after 02-2001
824	Protective Lip & Cylinder	8904; also 8804 Mfg before 02-2001
821	No Protective Lip & No Cylinder	MD & WD8610, 8710 and 8810
827	Protective Lip & No Cylinder	8910

821 for use on all inactive leafs

#### ET Cover Plate



This plate is designed to be mounted behind the ET control to cover a stock hollow metal cutout

• Order as a: 68-0657 x finish

#### 809 Touchpad Kit

- Lexan touchpad replacement kit for all 80 Series push rails
- Direct replacement uses existing mounting holes
- Order as a: 809 Touch Pad

#### 8893 Dummy Rail



A decorative push bar for vestibule door applications where continuity of design is desired, but no exit device is required. Outside dummy trim available on order.

• Order as a: 8893 x finish; Specify door width and door stile width when ordering.

#### 8895 Active Dummy Rail



Push rail operates on this rail to simulate active doors. Can be used with dummy trim.

- Order as a: 8885 x Finish; specify door width and door stile width when ordering.
- Available with Request-to-Exit (REX) signaling switch; specify 55-8895 x Finish

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988 Surface Bolt Kit

Designed for severe windload (Hurricane Code) environments where surface bolts are

required (e.g., on inactive doors)

- Tested to Dade County protocols
- Listed to UL 10C for use on fire rated door assemblies. Refer to codes for locations where surface bolts are allowed on fire doors
- All steel construction for maximum strength and heavy duty use
  - Full 3/4" (19mm) square, 12" (305mm) bolt with 1-1/4" (32mm) throw
  - Bright zinc-plated finish
  - Jimmy-resistant design locks bolt automatically when thrown; released by pressing knob toward door while retracting
  - Bolt can be locked in retracted or thrown position
- Angle (L shaped) and mortise strike with mounting hardware supplied standard
- Order as a: 988 Surface Bolt

### **Thicker Doors Specifications**

- Convenient for applications requiring durability, improved insulation, and resilience to heavy use.
- Door thicknesses above standard 1-3/4" available over 2.5" to 5" thick based on function limitation below:

#### **Device with Trim** Stile **Door Thickness** Device Function Narrow 8504 8804 8816 Up to 2.5" Wide 8875 8876 8506 8510 8513 Narrow RIM 8515 8573 8574 8806 8810 8813 Wide Up to 5" 8815 8873 8874 8706 8710 8713 SVR Wide 8715 8773 8774



How to order: 31- 8810 F NEL RHR 32D 5"

#### **Device with Auxiliary Control**

Exit Device	Stile	Trim Function	Aux Controls	Door Thickness	
		8710	306/P313		
SVR	Wide	8773	207	Up to 4.75"	
		8774	306		

Note: Must specify 31- Option and Auxiliary Control.

How to order: 31- 8710 306 F RHR 32D 84" 5"

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	Electrified			
Product Designation	650A	980	L980	EL980
Description	Removable	Removable	Lockable	Electrical Lockable
Material	Aluminum	Aluminum	Aluminum	Steel
Standard Finish	US28/Satin Anodized Aluminum	Prime Coat	Aluminum Prime Coat	Gray Paint
Options	Specify "650A x 10B" for 313AN to match 10B	Specify "980A" for Anodized US28/ Satin Aluminum	Specify: "L980A" Anodized Aluminum Specify: "L980A x10B" for 313AN to match 10B	Wall Mounting Kit: 98-2580 Top Ret Pack :98-2558 Bottom Ret Pack: 98-2556
Stk Size	96"	86"	86"	86"
Max Stk Height	120"	120"	120"	120"
Pre-prepped	658 Strikes Included	No	No	No
Cylinder Size	Not Required	Not Required	#41	#46 Only
Shape	1-1/2" x 2-1/2"	T Shaped 2-1/2" x 3"	T Shaped 2-1/2" x 3"	Rectangular 2" x 3"
Misc. Information and Accessories	Includes 651 Stabilizers and imbedded Weather Stripping Top Retainer 94-2050 Bottom Retainer 94-2051	Top Retainer - 511 Bottom Retainer - 502 Adapter for narrow transom: 507 - Aluminum Prime Coated 507A - Anodized Aluminum	All Cylinder Options Available Wall Mount Kit 98-2578 Top Ret Pack 98-2526 Bottom Ret Pack 98-2525 Cylinder Kit 980C1*	For use with Electric Strikes and Monitoring, Quick Connect Wiring Supplied Cylinder Kit 980C2*

\*Note: Cylinder Kits must be ordered separately

	Steel Mullions						
<b>Product Designations</b>	HC980	980S	L980S	HCL980	12-HD980		
Description	Hurricane Code	Standard Mullion	Lockable	Lockable Hurricane Code	Heavy Duty		
Material	Steel	Steel	Steel	Steel	Steel		
Fire Rated	Specify 12-HC980	Specify 12-980	Specify 12-L980	Specify 12-HCL980	Specify 12-HD980		
Fire Rated Max Height	96"	96"	96"	96"	120"		
Finish	Gray Paint	Gray Paint	Gray Paint	Gray Paint	Gray Paint		
Stk Size	86" 86" 86"		86"	86"	120"		
Max Stk Height	96"	96" 120" 120" 96"		96"	120"		
Pre-prepped	No	No	No	No	No		
Cylinder Size	Not Required	Not Required	#41 Std (#42 & #43 available)	#41 Std (#42 & #43 available)	Not Required		
Shape	Rectangular 2" x 3"	Rectangular 2" x 3"	Rectangular 2" x 3"	Rectangular 2" x 3"	Rectangular 2" x 3"		
Misc. Information	Designed for severe wind load conditions due to hurricanes or windstorms. Tested to Dade County Protocols & ASTM Standards	For 12-8800 - Channel Iron & Malleable iron top & bottom retainers. Mullions longer than 86" must be ordered as 12- option x 120" length and cut to size in the field. Fire rating is valid only up to 96"	Fire rated for 8'0" x 8'0" paired openings Mullions longer than 86" must be ordered as 12- option x 120" length and cut to size in the field. Fire rating is valid only up to 96"	See Notes Below	12-HD980 is for pair of doors over 8'0" to 10'0" for use with 12-8800 Rim Exits includes two piece strikes		
Accessories	Top Ret Pack - 98-2599 Bottom Ret Pack - 98-2600 Top Retainer Shim Kit - 601	Top Ret Pack - 98-2190 Bottom Ret Pack - 98-2191 Top Retainer Shim Kit - 601	Wall Mounting Kit - 98-2579 Top Ret Pack - 98-2559 Bottom Ret Pack - 98-2556 Top Retainer Shim Kit - 601 Cylinder Kit - 980C1*	Top Retainer Pack: 98-2593 Bottom Retainer Pack: 98-2594 Top Retainer Shim Kit - 601 Cylinder Kit - 980C1*	Top Ret Pack - 98-2599 Bottom Ret Pack - 98-2600 Top Retainer Shim Kit - 601		

\*Note: Cylinder Kits must be ordered separately

#### Note for HC980/12-HC980 Mullions:

- Designed for severe wind load conditions due to hurricanes or tornadoes
- Tested to Dade County protocols and ANSI 250.13 ASTM Standards and FEMA 361
- 12- Fire labeled version
- Replacement lock kits are available for lockable mullions
- Part numbers for each model are listed in the price book

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### **HCL980 Mullion Information**

- Model 12-HC-L980 may be supplied for doors UL fire rated up to and including 3 hrs not exceeding 8 ft in width and height
- Meets the following standards: ANSI 250.13, ASTM E330, ASTM 1886, ASTM 1996, TAS 201, TAS 202 & TAS 203
- Designed for use with UL Classified HC8810, HC8800 and 12-HC8800 rim exit devices

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Split Mullions (Steel)								
Product Designations	SM980S	SML980S	SMEL980					
Description	Standard Mullion	Lockable	Electrical Lockable					
Material	Steel	Steel	Steel					
Finish	Gray Paint	Gray Paint	Gray Paint					
Stk Size	96"	96"	96"					
Max Stk Height	96"	96"	96"					
Pre-prepped	No	No	No					
Cylinder Size	Not Required	#41 Std (#42 & #43 available)	#46 Only					
Shape	Rectangular 2" x 3"	Rectangular 2" x 3"	Rectangular 2" x 3"					
Misc. Information	Not fire rated	Not fire rated	Not fire rated					
Accessories	Top Ret Pack - 98-2190 Bottom Ret Pack - 98-2191 Top Retainer Shim Kit - 601 Screw Pack - 98-2029	Wall Mounting Kit - 98-2579 Top Ret Pack - 98-2559 Bottom Ret Pack - 98-2556 Top Retainer Shim Kit - 601 Cylinder Kit - 980C1* Screw Pack - 98-2029	Top Ret Pack - 98-2558 Bottom Ret Pack - 98-2556 For use with Electric Strikes and Monitoring, Quick Connect Wirir Supplied Cylinder Kit - 980C2* Wall Mounting Kit: 98-2580 Screw Pack - 98-2029					

\*Note: Cylinder Kits must be ordered separately



# Mullion Accessories and Stabilizers

#### 80 Series

#### Mullion Accessories

#### RK980

Latchbolt assembly retrofit kit with top and bottom retainers for 980 aluminum mullion



#### 651 Mullion Stabilizer Kit



- Stabilizer block
- Furnished standard w/650A Mullion

• Order as a 651 Kit

#### 980C1 Cylinder Mullion Kit



- Lockable mullions only
- Aluminum and steel
- Includes cylinder and collar
- Available in 26D & 10B finish

#### 980C2 Cylinder Mullion Kit



- Lockable mullions
- Electrified only
- Includes cylinder and collar
- Available in 26D finish only

#### 507 Narrow Transom Bars Adapter

- Available with 980 and 980A
- Required when soffit is 1-1/4" (32mm) to 2" (51mm) wide
- Order as a: 507 for 980 mullion or 507A for 980A mullion



#### 650A Mullion



Stripping

#### Lockable Mullion



#### Mullion Weights & Packaging

5	5
Avg Wt	Case
15 lbs	1 ea
18 lbs	1 ea
40 lbs	1 ea
18 lbs	1 ea
40 lbs	1 ea
	15 lbs 18 lbs 40 lbs 18 lbs

#### 980S Mullion Application

• All steel mullions are 2" x 3"



#### 980 Mullion & L980 Lockable Mullion



#### Lockable Mullion Cylinder Kit Options\*

L980, L980A, L980S & HC-L980 mullions are available with these options: 10, 10-21-,

10-63-, 11-, 11-21-, 11-60, 11-63-, 11-64-,

11-72-7P-, 11-65-73-7P-, 11-73-7P-, 21-, 22-, 60-,

63-, 64-, 70, 72-, 73-, 65-73-, 65-73-7P-, 73-7P-, 81-, 82-, F1-82-, 83-, F1-83-, 84-, SC- & SE-.

### EL980 mullion is available with these options:

10, 10-21-, 10-63-, 11-, 11-21-, 11-60, 11-63-,

11-64-, 11-72-7P-, 11-65-73-7P-, 11-73-7P-,

22-, 60-, 63-, 64-, 70, 72-, 73-, 65-73-, 65-73-7P-,

73-7P-, 81-, 82- & F1-82-.

\*Lockable mullions are shipped without cylinders. Order Cylinder Mullion Kit separately.



ASSA ABLOY

# Through-bolt Kits, Rod Extensions and Shim Kits

**80** Series

### SARGENT ASSA ABLOY

#### **Through-bolt (TB) Applications**



8700	Rail & Chassis	4	68-2279
8700	Cases & Guides	10	68-2282
12-8700	Complete	16	68-2288
8800	Rail & Chassis	4	68-2279

To order through-bolts with device: Example: 8804 FLL x TB

Note: Attaching Screws - All series are furnished standard with wood screws for wood and Kalamein doors and machine screws for metal doors. Through-bolts and mortise nuts must be specified to mount fire exit devices on composite fire doors with steel, wood or plastic covering

#### 565 Metal End Cap Kit



#### **Rod Extension Kits**

- For surface mounted top rod extensions • 570 Kit is for a Rod Connector & spiral pin 571 Kits includes top rod extension & 570 kit for device mfg prior to November 2002 Specify Kits and finish: Extension assembly • 571-6 for 6" Rod connector Rod Extension - Spiral pin • 571-12 for 12' Rod Extension • 571-18 for 18 Rod Extension Top rod • 687 Kits include Rod Extension for devices mfg after November 2002
- Specify Kits and finish:
- 687-6 for 6" Rod Extension
- 687-12 for 12" Rod Extension

Note: For extensions over 12" full rod

lengths are available, see Rod Replacement Kits Below

#### **Rod & Bolt Replacement Kits**

Product	Top Rod & Bolt Kit *	Bottom Rod & Bolt Kit **
8700	N/A	N/A
MD & AD8600	MD691T	691B
WD8600	WD691T	691B
WD8600 x Aux	WDA691T	691B
MD & AD8400	MD691T	691B
PP/PR/SP8600	692P	N/A
LP/LR/LS8600	692L	N/A

\* Door Height & Rail Location Required \*\* Rail Location Required

#### **Glass Bead Shim Kits**



#### **Rod Replacement Kits**

Product	Top Rod Kit ++	Bottom Rod Kit +++
All 8700+	670T	670B
MD & AD8600	MD660T	660B
WD8600	WD660T	660B
WD8600 x Aux	WDA660T	660B
MD & AD8400	MD660T	660B
PP/PR/SP8600	661P	N/A
LP/LR/LS8600	661L	N/A
+ Finish Informati	ion Required	

++ Door Height & Rail Location Required

+++ Rail Location Required

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# End Caps and Cylinder Dogging Kits

#### Cylinder Dogging 16- Option



A 41 mortise cylinder (included), located in the rail insert, locks the rail in retracted position. Available for all 80 Series devices except Fire Rated, FM8700 & some electrical options.

Order as a 16- option with the device

Example: 16-8813F x ETJ x 03 Finish Also available as a 816 Kit Specify Kit based on Rail size

Example: 816-1 x finish for "F" wide 816-2 x finish for "E" & "F" narrow 816-3 x finish for "G" wide 816-4 x finish for "G" narrow 816-5 x finish for "E" wide 816-6 x finish for "J" narrow 816-7 x finish for "J" wide 816-8 x finish for "E" narrow

Cylinder included

Note: Cylinder dogging requires a 27" minimum door width

#### Cylinder Nut Wrench



This wrench simplifies the installation and removal of mortise cylinders nuts used on 700 Series Auxiliary Control (80 Series ET Trim).

• Part number 97-0568

#### 665 Flush End Cap Kit and 553 Shim Kit



- 665 Kit is Flush End Cap for 80 Series exit device
- 665 Kit available for retrofit/replacement
- To order specify 665 Kit x Finish • or with the Device as a 43- option
- 553 Kit is an 1/8" Shim for Flush End Caps
- 553 Shim Kit is only available in ED, EN & EB\*
- To order specify 553 Kit x Finish
- \* Note: EB (BHMA 690) Powder coated to match 10B EN (BHMA 689) Powder coated to match 26D

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### SARGENT ASSA ABLOY

#### **Cover Dimensions and Touchbar Projections**



#### **Rail Sizes**

SARGENT offers four sizes of rails to accommodate 32", 36", 42" and 48" doors. These rails can be cut for smaller doors as specified in the chart below.

SARGENT will cut all rails to size if door width is specified when the hardware is ordered.

Sto Siz	ock Door e Widths	Remarks
E	24" to 32" (61cm to 81cm)	No cutting required for 32" (81cm) door
F	33" to 36" (84cm to 91cm)	No cutting required for 36" (91cm) door
J	37" to 42" (94cm to 107cm)	No cutting required for 42" (107cm) door
G	43" to 48" (110cm to 122cm)	No cutting required for 48" (122cm) door

#### LP, LR & LS8600 Rail Sizes

L Rail	36" (91cm)	No cutting required
M Rail	42" to 44" (107cm to 112cm)	No cutting required
N Rail	46" to 48" (117cm to 122cm)	No cutting required

How to specify and order ET Trim without an Exit Device Example for 775-8 ETL 26D RHR 12VDC									
7 75 -8 ETL 26D RHR									
7 for 700 Series Auxiliary Control	2 digit function number	Suffix - Determined by Exit Device (See Chart)	ET followed by Lever Design Pages 61-64	Finish Page 83	Hand Page 78	Voltage for ET Trims Page 60			

#### Notes:

LFIC (Removable) and SFIC (70-) option cylinders require 97-0351 cylinder rings for 700 Series ET Controls and • 94-0153 rings for 100 & 300 Series Aux controls.

When ordering 775 or 776 trim, specify either a rim cylinder or mortise cylinder.

No Suffix	-8 Suffix
Square Spindle or No Spindle for inactive functions	Cross Type Spindle
for all 8900, 8300, 8700 with bottom rod and 8800, 8500, NB8700, PP, PR & SP8700 devices with these functions: 04, 10, 16, 40 & 44	
-4 Suffix	-6 Suffix
Offset Mtg Tabs Top & Bottom	Offset Mtg Tab Top Only
for all AD & MD8400 and AD, WD & MD 8600 devices	for all PP, PR, SP, LP, LR & LS 8600 devices

#### 730 Spindle Retrofit Kits are used to replace existing spindles for 06, 13, 15, 16, 73, 74, 75 & 76 function **ET Trims**

	-
- Kits inc Mounti	lude Spindle, Retainer Plates, ng. Screws & Return Springs
730-1	700 Series Spindle 1-3/4" Door
730-2	700 Series Spindle 2" Door
730-3	700 Series Spindle 2-1/4" Door
730-4	700-4 Series Spindle 1-3/4" Door
730-5	700-4 Series Spindle 2" Door
730-6	700-4 Series Spindle 2-1/4" Door
730-7	700-8 Series Spindle 1-3/4" Door
730-8	700-8 Series Spindle 2" Door
730-9	700-8 Series Spindle 2-1/4" Door

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# Mechanical Options and Descriptions

SARGENT ASSA ABLOY

#### 80 Series

#### **Mechanical Options:**

Categories	How to Specify	Detailed Description					
Fire Rated	12-	UL Fire Label Exit hardware (not available with 16- & HK-)					
SVR Bolt	14-	Sliding bolt bottom case for 8700					
	16-	Cylinder lockdown with # 41 Cylinder & # 97 Ring (not available with 12-, 59- or AL- Option)					
Cylinder Dogging	LD-	Less dogging for non fire rated devices					
Less Touch Pad	19-	Pushbar without Lexan touchpad					
8900/8300 Strike	23-	4-7/8" (124mm) ANSI flat lip strike (for 8900 & 8300 Series Mortise Lock Exit Devices)					
Thick Doors	31-	Doors over 1-3/4" and/or Panels (Specify door thickness, panel thickness & location as required.) Not available for HC8700, FM8700. Extended lip strike supplied for 8300 & 8900 Series.					
	36-	Six lobe security head screws					
Security Fasteners	37-	Spanner head screws					
Flush End cap	43-	Flush End Cap (Not available with LP, LR & LS Devices)					
Indicator	49-	Indicator (Available on 8816 and 8866 functions only)					
	53-	Latchbolt monitoring switch (not available with 49-, 59-, GL-, HC-, WS- or on FM8700, PP/PR/SP8600 & LP/LR/LS8600 Exit Devices)					
	54-	Monitors ET Lever movement with Internal micro switch in ET Control					
	55-	Request to Exit - Signal Switch in Rail (not available with 59- & FM8700)					
	56-	Remote Latch Retraction (not available 58-, 59-, AL-, BT- or FM8700 Option)					
Electrical	56-HK-	Remote Latch Retraction with manual Hex Key dogging (not available 12-, 58-, 59-, AL- or BT- Option)					
Options	58-	Electric Rail Dogging (Not available 56- & 59-)					
	59-	Electroguard® Self Contained Delayed Egress Device (not available with 16-, 53-, 55-, 56-, 58-, AL-, BT-, GL-, HC- & WS Option Prefixes, PP/PR/SP8600, LP/LR/LS8600 Exit Devices) (NB, 54- are available upon request)					
	AL-	Alarmed Exit (Not available 16-, 56-, 59-, BT-, GL-, HC- , HC4 & WS-) (minimum Dr width 36")					
	BC-59-	Electroguard® Boca Code (Door Status Switch required) (not available with 16-, 55-, 56-, 58-, AL-, BT-, GL-, HC- & WS- Options and on NB8700, PP/PR/SP8600 & LP/LR/LS8600 Exit Devices)					
	76-	Tactile Warning - Milled Outside Lever (not available with Studio & Coastal Levers and the A Lever)					
Tactile Warning	85-	Tactile Warning - Abrasive strip on Push Rail (Not available with PL-)					
Options	86-	Tactile Warning - Abrasive coating on Outside Lever					
	87-	Tactile Warning - Abrasive strip on Push Rail & Abrasive coating on Outside Lever (not available with PL-)					
Finish Protection	CPC-	Clear Powder Coat (Available for 32 & 32D Finishes)					
Finish Protection	SG-	MicroShield® antimicrobial clear powder coat (only available with 15, 26D and 32D finishes)					
Top Rod Only         NB-         Less Bottom Rod & Bolt (for SVR & CVR Devices)							
Guarded Latch	GL-	Guarded Latch for Rim Exit Devices (not available 53-, 59-, AL-, HC- & WS-)					
SARGuide	PL-	SARGuide™ PL – Photoluminescent Coated Push Rail – (Touchpad eliminated) (not available 85, 87)					
Through Bolts	TB-	Through Bolts for 8300, 8500, 8600, 8700, 8800 & 8900 Devices					
Rail Force	5CH-	5lb. Pressure Release (8800, 8500, 8600 & 8400 devices only) Not available with 14-, 49-, 58-, 59-, BC-59, TI- Consult Factory: 23-, 31-, 36-, 37-, 43-, 54-, 55-, 56-HK, AL-, 76-, 87-, CPC-, SG-, NB-, GL-, TB					

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# Cylinder Options and Descriptions

#### 80 Series

#### **Cylinder Options:**

Cylinder Option		
Conventional Cylinder	-	SARGENT Conventional Cylinders Supplied Standard (Unless Otherwise Specified)
	DG1-	SARGENT Degree Key System Level 1 (bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
-	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
·	DG2-	SARGENT Degree Key System Level 2 (geographically exclusive; bump and pick resistant)
·	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
Degree Key System	DG2-63-	Degree Level 2 Removable Disposable Constitueiton Core
	DG2-64-	Degree Level 2 Removable Cone Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG3-	SARGENT Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
	DG3-65	Degree Level 3 Unassembled/Uncombined Core
Signature	10-	SARGENT Signature Key System (Not Available with other Key Systems)
Key System	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature- LFIC	10-63-	SARGENT Signature Large Format Interchangeable Core Cylinder (Removable)
	11-	XC Key System (Not available with other Key systems unless specified)
XC- Key System	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format	11-60-	Device to accept XC- Permanent Large Format Interchangeable Core, Disposable plastic Core- provided
Interchangeable Core	11-63-	Device provided with XC- Large Format Interchangeable Core Cylinder - (Includes masterkeying, grand masterkeying)
(Removable Core)	11-64-	Device provided with Keyed construction core to accept XC- Permanent Large Format Interchangeable Core (ordered
	11-70-7P-	separately) Device to accept XC- SFIC ( 7-Pin) XC- Permanent Cores, plastic disposable core provided
XC- Small Format	11-72-7P-	Device to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately
Interchangeable Core	11-73-7P-	Device provided with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
Core	11-65-73-7P-	Device provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose)
Construction Key	21-	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
Systems	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems Only) (N/A with 10-, 11-, 63- or
Old Style Removable	51-	73-) Removable Core Cylinder (Old Style) provided (existing systems only)
Core	52-	Removable Construction Core (Old Style) Permanent core ordered separately (existing systems only)
		Device to accept SARGENT Permanent Large Format Interchangeable Core, Disposable plastic Core provided
Large Format	60-	(Permanent Cores ordered separately)
Interchangeable Core (Removable Core)	63-	Device provided with Large Format Interchangeable Core Cylinder - (Includes masterkeying, grand masterkeying)
(Removable Cole)	64-	Device provided with Keyed construction core to accept Permanent Large Format Interchangeable Core (ordered separately)
	70-	Device to accept 6- or 7-Pin SFIC Permanent Cores, plastic disposable core provided
ĺ	72-	Device to accept 6- or 7-Pin SFIC (6-Pin Keyed Construction Core provided) Cylinder (Permanent Core ordered
Small Format	73-	separately) Device provided with 6-Pin SFIC (Includes masterkeying, grand masterkeying)
Interchangeable Core	65-73-	Device provided to accept Uncombinated 6-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
0010	65-73-7P-	Device provided to accept Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
-	73-7P-	Device provided to decept oneonismitted if this in o (refinancing concerning deception and the regime).
	81-	Device provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores. (Permanent Cores ordered
-	82-	separately) Device provided with SARGENT Keso Security Cylinder
	62- F1-82-	Device provided with SARGENT Keso Security Cylinder Device provided with SARGENT Keso F1 Security Cylinder (Patented)
Keso & Keso F1	83-	Device provided with SARGENT Keso FT Security Cylinder (Fatented) Device provided with SARGENT Keso Security Removable Core cylinder
	63- F1-83-	Device provided with SARGENT Keso Security Removable Core cylinder Device provided with SARGENT Keso F1 Security Removable Core cylinder
-	84-	Device provided with SARGENT Keso En Security Kentovable Core cylinder (Fatened) Device provided with SARGENT Keso Construction Cores (Permanent Cores ordered separately)
Added Security	BR-	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
-		Less Cylinder - SARGENT supplies standard blocking rings for 1-1/8" Cylinders (For longer cylinders order collars/rings
Less Cylinder	LC-	separately)
Schlage Keyways	SC-	Schlage C keyway cylinder, 0 bitted (not available with: 8904, 8916, 8944, 8975, 8976, 8866, 8304, 8344, 8375 & 8376)
Schlage Keyways	SE-	Schlage E keyway cylinder, 0 bitted (not available with: 8904, 8916, 8944, 8975, 8976, 8866, 8304, 8344, 8375 & 8376)
Lever to Accept Schlage	SF-	L Lever to accept Schlage® large format interchangable core (supplied less core, tailpiece included)

Note: For V-10 Cylinders and information, contact ASSA



### How to Order 80 Series

### SARGENT

ASSA ABLOY

Example Order: How to Order Exit Devices													
12-	89	75	F	ETMR	12VDC	RHR	26D	32D	36"	84"	41"		
Options	Device Type	Function	Rail Size	Trim	Voltage	Hand	Outside Finish	Inside Finish	Door Width	Opening Height	AFF		
	89 - Mortise	04 - Night Latch	E 24"-32"	For ET trim	12VDC	RHR	Available	Inside	If door	Required	Center		
Available Options	WS89 - Mortise	06 - Night latch	F 33"-36"	specify ET followed	24V0DC	LHR	Finishes page 75	Finish Available Finishes	width is supplied	for Vertical Rod Exit	Line of Rail		
Listing Pgs 73-74	88 - Rim	10 - Dummy	J 37"-42"	by Lever design,	Voltage			page 75	rails will be	Devices	Above Finish Floor 41 "		
-	HC88 - Rim	13 - Classroom	G 43"-48"	See pages 60-62	required for				cut to size		Standard		
	WS88 - Rim	15 - Passage	Rail Sizes Listed	For	Solenoid Controlled								
	87 - SVR	16 - Entrance	Below are for LP,	Thumbpiece Trims and	Functions - 73, 74, 75								
	NB87 - SVR	28 - TP Passage	LR & LS	Pulls specify Trim	& 76								
	HC87 - SVR	40 - FW Dummy	Devices Only	Designation as specified									
	FM87 - SVR	43 - FW Classroom	L 36" Door										
	MD86 - CVR	44 - FW Night Latch	M 42"-44"	туре									
	AD86 - CVR	46 - FW Night Latch	N 46"-48"										
	WD86 - CVR	62 - TP Night Latch											
	85 - Rim Narrow	63 - TP											
	MD84 - CVR Narrow	66 - TP Entrance											
	AD84 - CVR Narrow	73 - Solenoid Fail Safe		<b>nd</b> Aluminum Dc Above Finish			HC - Hur MD - Met	ricane Code					
	83 - Mortise Narrow	74 - Solenoid Fail Secure	CTL - 0 CVR - 0 ET - 5 FM - F	Center & Top Concealed Ve SARGENT Ext EMA	Latching Ex ertical Rod ernal Lever		NB - No SVR - Surf TP - Thu WD - Woo	Bottom Rod ace Vertical I mbpiece Trir od Door					
	PP87 - CTL SVR	75 - Solenoid Fail Safe w/Cyl	FW - Freewheeling Trim WS - Windstorm Mounting Heights										
	PR87 - CTL SVR PR87 - CTL SVR Fail Secure w/Cyl PR87 - CTL SVR 76 - Solenoid Fail Secure w/Cyl 76 - Solenoid Fail Secure W/Cyl Solenoid Fail Secure Solenoid Fail Secure Solenoid Solenoid Fail Secure Solenoid Fail Solenoid Fail Secure Solenoid Fail Solenoid Fail Solenoid												
	SP87 - CTL SVR		USE	ed (38" AFF r	nust be spec	cified)				t S	top		
	PP86 - CTL CVR		Har	nd						g Heigh	leight		
	PR86 - CTL CVR Inside							Door Opening Height #7/1 Door					
								0 1/4" b (6mm)					
	LP86 - CTL CVR			Left Hand Reverse	> \	Ře	t Hand verse RHR"						
	LR86 - CTL CVR			"LHR"	Outside	<b>▲</b> "⊧	וחול			Finis	hed Floor		
	LS86 - CTL CVR				Juiside								

# **Finishes and Finish Care**

### SARGENT ASSA ABLOY

#### Finish

SARGENT#	BHMA#	Description H	ow to clean	Avoid these cleaners
3	605	Polished brass, clear coated	Mild non-abrasive detergent with damp cloth or sponge steel or bronze wool	
4	606	Satin brass, clear coated		
9	611	Polished bronze, clear coated		Abrasive cleaners, bleach solvents, steel or bronze wool
10	612	Satin bronze, clear coated		
BSP	_	Black Suede Powder Coat		
10B	613	Oxidized bronze, oil rubbed	Lemon oil polished with dry cloth	Abrasive cleaners, bleach solvents, steel or bronze wool
10BE	613E	Dark oxidized satin bronze, equivalent		
10BL	613L	Oxidized satin, bronze, clear coated	Mild non-abrasive detergent with damp cloth or sponge steel or bronze wool	
14*	618*	Polished nickel, clear coated		
15*	619*	Satin nickel, clear coated		
20D	624	Statuary dark bronze, clear coated		Abrasive cleaners, bleach solvents, steel or bronze wool
26*	625*	Polished chrome		
26D*	626*	Satin chrome		
32*	629*	Polished stainless steel		
32D*	630*	Satin stainless steel	Plastic pad or bronze wool	Cleaners, solvents, bleach, steel woo

\* Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices.

Note: FLW & FSW are NOT available in 32 or 32D

Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D except FLW & FSW which are available in 14 and 15.

#### Lock/Cylinder Finish

Device Finish	Cylinder/Core*	
03, 04, 09, 10, 10B, 10BE, 10BL, 20D	04	
14, 15, 26, 26D, 32, 32D	15	
BSP	BSP	

\*Finish when cylinder provided with Device

#### To avoid discoloration and pitting:

- Keep stainless steel away from contact with other metals
- Avoid cleaning with mineral acids or chlorine products
- Avoid cleaning with abrasive products like sandpaper or steel wool

#### To maintain the finish:

- Remove any contamination before damage occurs
- Protect with a metal polish or car wax

# Architectural Specifications

SARGENT ASSA ABLOY

#### 80 Series

#### 2.01 EXIT DEVICES

- A. Exit devices shall be 80 Series push rail devices as manufactured by SARGENT Manufacturing Company, New Haven, CT.
- B. Exit devices shall be certified to meet or exceed the requirements of ANSI/BHMA A156.3 Grade 1.
- C. Exit devices shall be listed by Underwriters Laboratories for panic and bear the UL label for life safety in full compliance with NFPA 80

and NFPA 101. Exit devices for fire labeled doors shall be UL listed as "Fire Exit Hardware".

- D. Exit Devices shall be certified to meet the requirements of ANSI/BHMA A156.41, Door Hardware Single Motion To Egress.
- E. Provide standard hex key dogging on non fire-rated exit devices, with cylinder dogging (i.e., SARGENT 16- option) as an option.
- F. Exit devices shall comply with UL 10C positive pressure requirements.
- G. Construction:
  - 1. Chassis shall be of heavy duty cast design with one piece drawn nonferrous removable covers matching the material of the push and mounting rails.
  - 2. Stamped steel chassis are not acceptable.
  - 3. Mounting rails shall be formed from a solid single piece of stainless steel, brass or bronze no less than 0.072 inches thick.
  - 4. Push rails shall be constructed of 0.062 inch thick material in the same manner as the mounting rail. Painted or anodized aluminum shall not be considered heavy duty and are not acceptable.
  - 5. Provide protective Lexan touchpad on the exit device push rail to prevent scratches and serve as a visible guide to the user.
  - 6. Metal end caps shall be formed from the same base metal as the push and mounting rails.
- H. Exit devices shall have a maximum of 3 inches projection from the face of the door in the non-dogged position. When in the dogged position, the device shall have no more than a 2-1/8 inch projection from the door face.
- I. The design of the exit device shall eliminate the necessity of removing the device from the door for standard maintenance or keying changes.
- J. The device chassis shall be mounted and operable without the need of the rail or the chassis cover.
- K. Trim shall be through-bolted.
- L. Devices shall be available with matching trim for both wide and narrow stile doors, including electrified functions when required.
- M. Exit device operating lever trim shall withstand 1000 inch pounds of torque without allowing access.
- N. Lever trim shall be available in architectural finishes and designs to match that of the locksets specified.
- O. Provide electrified exit devices with ElectroLynx<sup>®</sup> standardized plug connectors to accommodate up to twelve wires.
- P. Plug connectors shall plug directly into ElectroLynx® through-door wiring harnesses for connection to electric transfer hinge and power supplies.
- Q. Provide sufficient number of concealed wires to accommodate electric function of specified hardware.
- R. Exit devices shall have a five year limited warranty.

These guidelines should be referenced regularly and as required for proper appearance and longevity of finish.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, mechanical and smart locks, access control and service.



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Founded in the early 1800s, SARGENT<sup>\*</sup> 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. Copyright © 1998-2024, SARGENT Manufacturing Company. All rights reserved. Reproduction in whole or in part without the express written permission of SARGENT Manufacturing Company is prohibited. Plaetn pending and/or patent www.assaabloydss.com/patents.