SARGENT®

ASSA ABLOY

FM7100 & FM6100

Multi-Point Auto Deadlocking System

ASSA ABLOY, the global leader
in door opening solutions

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Multi-Point Auto Deadlocking Systems

MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria.
MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

MicroShield® Coating

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies

- As an integral part of the finish coating, MicroShield lasts for the life of the hardware

- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.

- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.

- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

Agion has achieved:

Agion's silver antimicrobial has been certified for its material content, recyclability, and manufacturing characteristics. Cradle To Cradle Certified^{CM} products meet established standards for human health, environmental health and recyclability.

Cradle To Cradle Certified ^{CM} is a certification mark of MBDC.

On The Cover

- FM7100 X ECMH

SARGENT FM7100 and FM6100 are multi-point auto deadlocking systems developed to help protect lives while securing a community shelter and safe room entry. Sturdy heavy-duty steel components firmly secure the door or storm shutter within the frame - at top, bottom and center latch points – securing the opening during a windstorm event. The FM7100 is UL approved for both FEMA 361 and 320 applications and the FM6100 is UL approved for both FEMA 361 and ICC500. These locking systems will withstand severe wind speeds and flying debris. This FM7100 series is available for windstorm applications also. These devices consist of concealed vertical rods with top and bottom latching complemented by an automatically projecting deadbolt at the center of the door. The device is operated by dual mounted EC controls (similar to the 80 Series ET Controls).

The EC control operates by pushing the top bolt out of the door or storm shutter and into the frame while retracting the bottom bolt and deadbolt simultaneously. Once retracted the bolts are held in position as the door/storm shutter swings. As the locking system closes, the hold back feature engages the frame: all bolts project simultaneously. Once secured, the occupants are protected against threatening conditions.

EC controls are available with a variety of functions which include classroom, passage and passage x blank plate. All FM7100 devices are fire rated and can be used on fire rated doors (4' x 8').

The FM7100 & FM6100 Series are heavy-duty multi-point auto deadlocking systems joining the SARGENT line of multi-point door security devices including:

- The Triad Multi-Point Mortise Lock which includes two hook bolts
- Center & Top Latching Exit Devices which incorporate a mortise lock and top latching vertical rods with the choice of concealed or surface mounted
- And the MP7000, two point latching system with dual mounted ET Controls with the option of less bottom rod

Note: 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.

Innovation

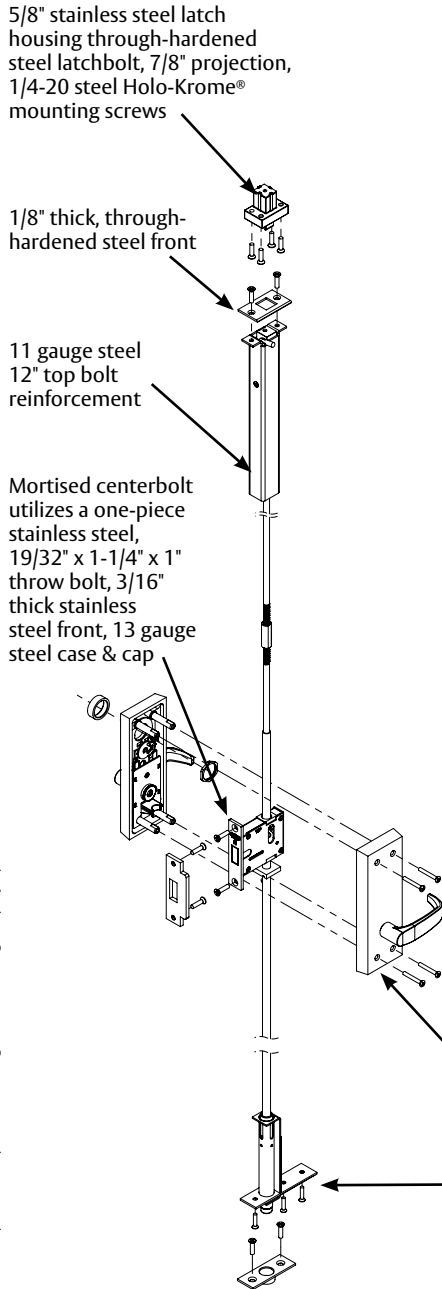- Unique and robust multi-point auto deadlocking system engineered to help save lives

  FM7100
  - Integrated with the CECO StormPro® 361, CURRIES StormPro® 361, FLEMING BARON F-5 doors and frames and McKINNEY hinges provides an opening meeting FEMA guidelines for:
    - FEMA 320 (residential safe rooms design and construction)
    - FEMA 361 (building community shelters design and construction for tornado and hurricane protection)
    - For Windstorm Certifications, see page 9

  FM6100
  - Fully integrated – FM6100 is part of a complete ASSA ABLOY severe windstorm solution utilizing CECO StormPro® 361, CURRIES StormPro® 361, Fleming F-5 shutters and frames and McKINNEY® hinges
  - UL approved to FEMA 361 & ICC 500 for inswing shutters 1'8" w x 3'0" h minimum to 4'0" w x 6'8" h maximum.

Applications

- Perfect for community refuge areas – where people seek protection from strong wind events
- Community shelters and safe rooms, corporate campuses, schools, healthcare facilities and government facilities

Strength & Durability

- UL 3-hour fire rating (FM7100 only)
- Extra-heavy duty steel components automatically secure the door to the frame
  - In multiple locations: top, bottom and center latch points
  - Fortifies opening to withstand extreme wind speeds and flying debris
- Heavy duty escutcheons standard
- Fortified with high tensile alloy Holo-Krome® fasteners
- Through-bolts on door for solid attachment

Features

All latching points activate automatically when door is closed and retract with one single motion upon exit
  - Both inswing and outswing applications
  - Solid cast levers
Three functions available:
  - Classroom
  - Passage
  - Passage Lever x Blank Plate (for shutter applications)
- Seven year limited warranty

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FM7100 Specifications

Multi-Point Auto Deadlocking Systems

5/8" stainless steel latch housing through-hardened steel latchbolt, 7/8" projection, 1/4-20 steel Holo-Krome® mounting screws

1/8" thick, through-hardened steel front

11 gauge steel 12" top bolt reinforcement

Mortised centerbolt utilizes a one-piece stainless steel, 19/32" x 1-1/4" x 1" throw bolt, 3/16" thick stainless steel front, 13 gauge steel case & cap

Solid brass lever and heavy duty escutcheon

1/8" steel reinforcement plate 3/4" steel nylon coated lower bolt, 3/4" projection

Features

- FM7100 integrated with CECO StormPro® 361, CURRIES StormPro® 361 and FLEMING BARON F-5 doors and frames and McKINNEY hinges provide a multi-point auto deadlocking system
- Meets FEMA 320 and FEMA 361 Guidelines for both inswing and outswing doors
- Concealed rods offer additional security
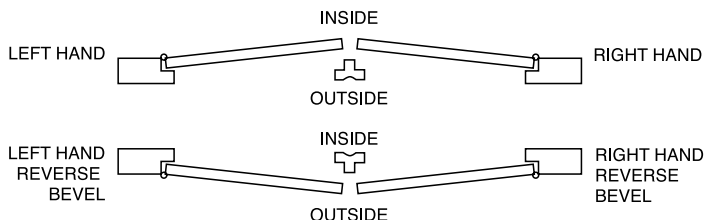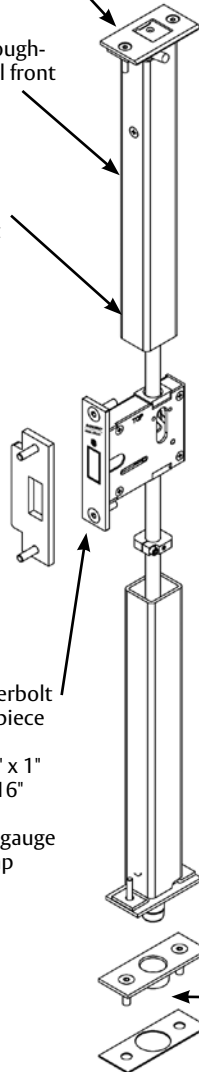- All functions determined by outside trim

Specifications

For Doors	1-3/4" thick door only; Fully integrated – FM7100 is part of a complete ASSA ABLOY windstorm solution utilizing CECO StormPro® 361, CURRIES StormPro® 361, FLEMING F-5 doors and frames and McKINNEY® hinges
Mounting	Supplied fasteners are for metal doors with through-bolts for trim
Hand	Handed; specify RHR, LHR, RH or LH
Top Bolt	Hardened steel with 7/8" projection in a 5/8" stainless steel housing projecting from the frame
Bottom Bolt	Steel 3/4" diameter with 3/4" projection with 1/8" steel plate
Center Bolt	One-piece stainless steel, 19/32" x 1-1/4" x 1" throw
Lock Front	1-1/8" x 4-7/8" x 3/16" thick stainless steel, one piece
Center Bolt Strike	1/4" thick stainless steel
Backset	2-3/4" standard
Door Thickness	1-3/4" standard
Door Height	Two adjustable ranges available: 6'8"- 8'0" & 5'6"-6'8" Meets FEMA 320 and FEMA 361 Guidelines for both inswing and outswing doors
Maximum Opening	Single door 4'0" x 8'0" and double doors 8'0" x 8'0"
UL Fire Listed	All FM7100 are UL Listed
Trim	EC trim with Standard, Coastal Series or Studio Collection levers
Functions	- Classroom - Passage - Passage Lever x Blank Plate (for shutter applications)
Cylinder	#41 Mortise Cylinder

Note: For UL & Florida Certifications see page 9

Hand

LEFT HAND

INSIDE

RIGHT HAND

OUTSIDE

LEFT HAND REVERSE BEVEL

INSIDE

RIGHT HAND REVERSE BEVEL

OUTSIDE

DOOR HANDS DETERMINED FROM OUTSIDE OF DOOR OR SECURED SIDE

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FM6100 Specifications
Multi-Point Auto Deadlocking Storm Shutter

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5/8" stainless steel latch housing through-hardened steel latchbolt, 7/8" projection, 1/4-20 steel Holo-Krome® mounting screws

1/8" thick, through-hardened steel front

11 gauge steel 12" top bolt reinforcement

Mortised centerbolt utilizes a one-piece stainless steel, 19/32" x 1-1/4" x 1" throw bolt, 3/16" thick stainless steel front, 13 gauge steel case & cap

1/8" steel reinforcement plate 3/4" steel nylon coated lower bolt, 3/4" projection

Features

- FM6100 is part of a complete ASSA ABLOY severe windstorm solution utilizing CECO StormPro® 361, CURRIES StormPro® 361, FLEMING F-5 shutters and frames and McKINNEY® hinges

- Meets FEMA 361 and ICC 500 for inswing shutters

- Concealed rods offer additional security

- All functions determined by outside trim

Specifications

For Shutters	1-3/4" thick Shutter only; Fully integrated – FM6100 is part of a complete ASSA ABLOY windstorm solution utilizing CECO StormPro® 361, CURRIES StormPro® 361, FLEMING F-5 shutters and frames and McKINNEY® hinges
Mounting	Supplied fasteners are for metal doors with through-bolts for trim
Hand	Handed; specify RH or LH, see chart below
Top Bolt	Hardened steel with 7/8" projection in a 5/8" stainless steel housing projecting from the frame
Bottom Bolt	Steel 3/4" diameter with 3/4" projection with 1/8" steel plate
Center Bolt	One-piece stainless steel, 19/32" x 1-1/4" x 1" throw
Lock Front	1-1/8" x 4-7/8" x 3/16" thick stainless steel, one piece
Center Bolt Strike	1/4" thick stainless steel
Backset	2-3/4" standard
Shutters Thickness	1-3/4" standard
Shutters Height	Two adjustable ranges available: 3'0"- 4'6" & 4'6"-6'8" Meets FEMA 361 and ICC 500 for inswing shutters
Shutter Width	1'8" minimum to 4'0" maximum width
Trim	EC trim with Standard, Coastal Series or Studio Collection levers
Functions	- Classroom - Passage - Passage Lever x Blank Plate (standard)
Cylinder	#41 Mortise Cylinder

Hand

LH

Frame

Left Hand   Glass

RH

Frame

Right Hand   Glass

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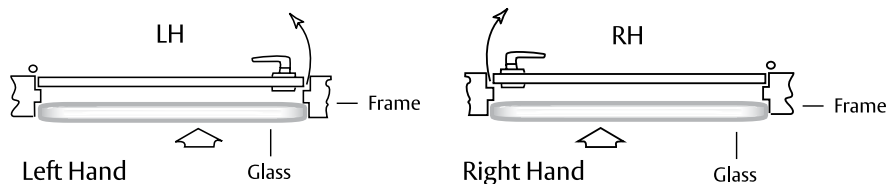
	FM7100 & FM6100 Series: Available Functions and Designations				

How to Order	Outside EC Function			Inside EC Function	
Product Designation	**SARGENT Function Numbers**	**Outside Function Description**		**SARGENT Function Numbers**	**Inside Function Description**
FM7113 FM6113	13	• Multi-point auto deadlocking system • Multi-point latch retraction by lever either side, unless outside lever is locked by key outside • Inside lever always free		15	Classroom
FM7115 FM6115	15	• Multi-point auto deadlocking system • Multi-point latch retraction by lever either side • Both levers always free		15	Passage Only (No cylinder)
FM7101 FM6101	01	• Multi-point auto deadlocking system • Multi-point latch retraction by inside lever • Lever on one side, blank plate on the other • Lever always free • For inswing window storm shutters		15	Inside Passage

Note: Product designation is determined by function of outside trim. The inside trim is always 15 function, which allows for free egress. Function combinations not shown may be available as a special. Consult factory.

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EC Lever Controls

The trim for the FM7100 and FM6100 is the EC Control which mounts on each side of the door. The outside EC Control determines the function of the entire device. The inside EC Control provides a passage function. Easy operating lever handle allows convenient one hand operation. Decorative Coastal Series Levers and Studio Collection levers are available. All levers are brass. For stainless steel levers consult factory.

3-9/16" MAX (90mm)

8-1/2" (216mm)

2-3/4" (70mm)

Standard and Coastal Series Levers

A Lever Design
- Lever: A-Solid forged or cast
- Must specify hand when ordering

B Lever Design
- Lever: B-Solid forged or cast

E Lever Design
- Lever: E-Solid forged or cast

F Lever Design
- Lever: F-Solid forged or cast

J Lever Design
- Lever: J-Solid bar stock

L Lever Design
- Lever: L-Solid forged or cast

P Lever Design
- Lever: P-Solid forged or cast

W Lever Design
- Lever: W-Solid bar stock

Coastal Series™ Levers
- Solid cast brass

C - Coronado™

G - Gulfport™
- Must specify hand when ordering

R - Rockport™

S - Sanibel™
- Must specify hand when ordering
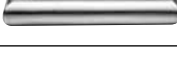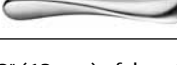
Y - Yarmouth™
- Must specify hand when ordering

Finishes

SARGENT	Description	BHMA
03	Bright brass, clear coated	605
04	Satin brass, clear coated	606
09	Bright bronze, clear coated	611
10	Satin bronze, clear coated	612
10B	Dark oxidized satin bronze, oil rubbed	613
10BL	Dark oxidized satin bronze, clear coated	614
14	Bright Nickel, clear coated	618
15	Satin Nickel, clear coated	619
20D	Statuary bronze dark powder coated	624
26	Bright chromium plated	625
26D	Satin chromium plated	626

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Studio Collection Levers

Multi-Point Auto Deadlocking Systems

Aventura Series

Lever	Design	Handed
MB		–
ME		–
MF		–
MG		–
MI		–
MW*		–
NF		-
NI		-

Odeon Series

Lever	Design	Handed
MN		Yes
MH		Yes
MK		Yes
MS		Yes
MU		Yes
MV		Yes
NS*		Yes
NU*		Yes
MX*		Yes

Notting Hill Series

Lever	Design	Handed
MQ		Yes
MR		–
MT		Yes
MM		Yes
MY*		Yes

Rialto Series

Lever	Design	Handed
MO		Yes
ML		Yes
MZ*		Yes

Centro Series

Lever	Design	Handed
MC		–
MD		–
MJ		–
MP		–
ND*		–
NJ*		–

Features

- Levers with curves and contours provide a comfortable grip
- All levers meet ADA compliance for national codes
- All levers – solid brass (for stainless steel consult factory)

* Lever returns within 1/2" (13mm) of door face

Mechanical Options:

Features	Option	Description
Security Fasteners	36-	Six lobe security head screws
Tactile Warning Options	75-	Tactile Warning -Milled Inside Lever (Not available with Studio & Coastal Series Levers and the A Lever)
	76-	Tactile Warning -Milled Outside Lever (Not available with Studio & Coastal Series Levers and the A Lever)
	77-	Tactile Warning -Milled Inside & Outside Lever (Not available with Studio & Coastal Series Levers and the A Lever)
	85-	Tactile Warning -Abrasive Coating on Inside Lever
	86-	Tactile Warning -Abrasive Coating on Outside Lever
	87-	Tactile Warning -Abrasive Coating on Outside Lever & Inside Lever
Finish Protection	CPC-	Clear Powder Coat (Available for 26 & 26D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat

Cylinder Options:

Cylinder Type	Option	Description
Conventional Cylinder	Std	SARGENT Conventional Cylinders
Degree Key System	DG1-	SARGENT Degree Key System Level 1 (Bump and pick resistant)
	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
	DG1-78-	Degree Level 1 Exposed Plug (For use with LE3/LE4 escutcheons only)
	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
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG2-78-	Degree Level 2 Exposed Plug (For use with LE3/LE4 escutcheons only)
	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
	DG3-78-	Degree Level 3 Exposed Plug (For use with LE3/LE4 escutcheons only)
Signature Key System	10-	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
	10UL-	SARGENT Signature UL437 Key System (Not Available with other Key Systems)
Signature: Large Format Interchangeable Core (Removable Core)	10-63-	SARGENT Signature LFIC (Removable Core) Cylinder
XC- Key System	11-	XC Key System (Not Available with other Key Systems, Unless specified)
	11-21-	XC- Construction Key System (Lost Ball)

Cylinder Options:

Cylinder Type	Option	Description
XC- Large Format Interchangeable Core + (Removable Core)	**11-60-**	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic Core- provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XCLFIC (Removable) Permanent Core (ordered Separately)
XC- Small Format Interchangeable Cores +	**11-70-7P-**	Hardware to accept XC- SFIC (7 Pin) XC- Permanent Cores, plastic disposable core provided
	11-72-7P-	Hardware to accept XC- SFIC (7-pin Keyed Construction Core provided) cylinder Permanent core ordered separately
	11-73-7P-	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose)
Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63-, 73-, 82-, SC- & SE-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems) (N/A with 10-, 11-, 63-, 73-, 82-, SC- & SE-)
Old Style Removable Core	**51-**	Removable Core Cylinder (Old Style) provided (Existing systems only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (existing systems only)
Large Format Interchangeable Core (Removable Core)	**60-**	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable Plastic Core provided (Permanent Cores ordered separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) (Permanent Core ordered separately)
Small Format Interchangeable Cores	**70-**	Hardware to accept 6- or 7-Pin SFIC Permanent Cores, plastic disposable core provided
	72-	Hardware to accept 6- or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (Permanent Core ordered separately)
	73-	Hardware supplied with 6-Pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-	Hardware provided to accept Uncombinated 6-Pin SFIC (Permanent) Core - (Packed loose for field keying)
	65-73-7P-	Hardware provided to accept Uncombinated 7-Pin SFIC (Permanent) Core - (Packed loose for field keying)
	73-7P-	Hardware supplied with Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying)
Keso F1- & Keso	**81-**	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores. (Permanent Cores ordered separately)
	82-	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-	Hardware provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Hardware supplied with SARGENT Keso Security Removable Core cylinder
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Patented)
	84-	Hardware provided with SARGENT Keso Construction Cores (Permanent Cores ordered separately)
Bump Resistant	**BR-**	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	**LC-**	Less Cylinder
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted
	SE-	Schlage E keyway cylinder, 0 bitted

Note: For V-10 Cylinders and information contact ASSA
Note: When tying into existing key systems contact Key Records for compatability

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SARGENT Manufacturing offers a wide variety of products that meet building codes requiring hurricane, windstorm and FEMA certifications. SARGENT products are tested to meet the requirements of the most severe building codes as specified by the Florida Building Code, Miami Dade Code Requirements and in the International Building Code. Listed below are certifications and the standards met by the FM7100 Multi-Point Auto Deadlocking System.

UL Listed:

ANSI/SDI-BHMA A250.13	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies."
ANSI/ASTM E330-2002	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886-2005	"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 E1996-2009	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"

Testing Application Standard

(TAS) 201-1994	"Impact Test Procedures"*
(TAS) 202-1994	"Criteria for Testing Impact and Non Impact Resistant Building Envelope Components Using Uniform Static Air Pressure"*
(TAS) 203-1994	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* published in the "Florida Building Code"

UL Certification Directory ZHEM.R21744 Latching Hardware

	FM7100	FM7100
Door Size	Single Door 4'-0" x 8'-0"	8'-0" x 8'-0" with (2) 988 surface bolts engaged (inactive leaf)
Design Pressure (psf)	+/-150	+/-150
Impact (ft-lbs)	350	350
Latch Strength (lbf)	800	800

UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies

	FM7100	FM7100
Door Size	4'-0" x 8'-0" 14 gauge	8'-0" x 8'-0" 14 gauge
Testing Method & Rating	FEMA 361: 252 PSF Staic Load, 15-lb lumber 2x4 missile impact	FEMA 361: 252 PSF Static Load, 15-lb lumber 2x4 missile impact
Testing Method & Rating	FEMA 320: 252 PSF Static Load, 15-lb lumber 2x4 missile impact	FEMA 320: 252 PSF Static Load, 15-lb lumber 2x4 missile impact
Testing Method & Rating	ICC 500: 15-lb lumber 2x4 missile impact	ICC 500: 15-lb lumber 2x4 missile impact

Listed on Florida Building Code Website: FL12712

	FM7100
Approved for use in HVHZ:	Yes
Approved for use outside HVHZ:	Yes
Impact Resistant:	Yes
Design Pressure:	+150/-150
Door:	For use with CECO, CURRIES or FLEMING 4-0 x 8-0 Single Inswing/Outswing or 8-0 x 8-0 Paired Inswing/Outswing Doors with (2) 988 Surface Bolts engaged (Inactive Leaf)
Other:	Qualified for Large Missile Impact (Impact Rating 350 ft-lbs)

How to Order: FM7100 Multi-Point Auto Deadlocking System

11-	FM71	13	EC	MJ	RH	26D	**96"
Options	**Series**	***Function Designation**	**Escutcheon**	**Lever**	**Hand**	**Finish**	**Opening Height**
Page 7 & 8	FM71 CN71	13 15 01	EC Control Standard	Page 5 & 6	RH LH RHR LHR	Page 5	

Note: FM7100 is certified & labeled for US markets and CN7100 is certified & labeled for Canadian Markets. The products are identical products except for the labeling.

Note: For 1-3/4" thick doors only.

* Function designation is determined by function of outside trim
** Auto deadlocking systems are available in two height ranges 5'6" - 6'7" and 6'8" - 8'0"; SARGENT will supply the correct range based on opening height specified

FM7100 Series Fortified Multi-Point Auto Deadlocking System

Three-Point Locking System Devices: Three-Point, auto deadbolt locking devices are engineered for use on inswing and outswing door applications at windstorm safe shelter room locations. Concealed, fortified steel construction secures the door to the frame at top, bottom and center latching positions. All three latching points shall be automatically activated when the device is closed and retracted with one single motion upon exiting.

1. The Three-Point locking system device is part of an integrated door, frame and hardware assembly UL-approved to both FEMA 361 and FEMA 320 guidelines for both inswing and outswing doors.

2. Units shall be manufactured in compliance with NFPA 80 and NFPA 101 life-safety requirements and approved for usage on up to 3-hour, UL10b or 10c fire rated openings.

3. Latchbolt Construction:

   a. Mortised Centerbolt: Single piece, 13 gauge chrome plated steel lockcase with 3/16" thick stainless steel front. Stainless steel, 1" throw deadbolt.
   2-3/4" backset standard with 1/4" stainless steel centerbolt strike.

   b. Top Latch: Through-hardened steel latchbolt with 7/8" projection, 1/8" steel latchbolt front, and 5/8" stainless steel latch housing secured with 1/4-20 Holo-Krome® fasteners.

   c. Bottom Bolt: 3/4" diameter steel nylon coated bolt with 3/4" projection and 1/8" steel reinforcement plate. Brass strike housing secured with1/4-20 Holo-Krome fasteners.

4. Provide devices with heavy-duty, brass escutcheon trim and solid cast levers matching the design style and architectural finishes as the balance of the lockset and latches specified.

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How to Order: FM6100 Multi-Point Auto Deadlocking Storm Shutters

10-	FM61	13	EC	MJ	RH	26D	**54"
Options	Series	*Function Designation	Escutcheon	Lever	Hand	Finish	Opening Height
Page 7 & 8	FM61	13 15 01	EC Control Standard	Page 5 & 6	RH LH	Page 5	

Note: For 1-3/4" thick doors only.

* Function designation is determined by function of outside trim
** Shutter deadlocking systems are available in two height ranges 3'0" - 4'6" and 4'7" - 6'8"; SARGENT will supply the correct
   range based on opening height specified

FM6100 Series Storm Shutter Multi-Point Latching System

Three-Point Locking System Devices: Three-Point, auto deadbolt locking devices are engineered for use on inswing shutter applications at windstorm safe shelter room locations. Concealed, fortified steel construction secures the shutter to the frame at top, bottom and center latching positions. All three latching points shall be automatically activated when the device is closed and retracted with one single lever activation motion.

1. The Multi-Point latching system device is part of an integrated shutter, frame and hardware assembly UL-approved to FEMA 361 and ICC 500 for inswing applications.

2. Latchbolt Construction:

    a. Mortised Center bolt: Single piece, 13 gage chrome plated steel lock case with 3/16" thick stainless steel front. Stainless steel, 1" throw deadbolt. 2-3/4" backset standard with 1/4" stainless steel center bolt strike.

    b. Top Latch: Through-hardened steel latchbolt with 7/8" projection,1/8" steel latchbolt front, and 5/8" stainless steel latch housing secured with 1/4-20 Holo-Krome® fasteners.

    c. Bottom Bolt: 3/4" diameter steel nylon coated bolt with 3/4" projection and 1/8" steel reinforcement plate. Brass strike housing secured with1/4-20 Holo-Krome fasteners.

3. Provide devices with heavy-duty, brass escutcheon trim and solid cast levers matching the design style and architectural finishes as the balance of the lockset and latches specified.

4. Inswinging storm shutters are furnished as a complete door, frame, and hardware assembly for openings measuring from 1'8" x 3'0" minimum to 4'0" x 6'8" maximum.

5. Three-Point locking system devices shall have a seven-year limited warranty.

SARGENT®

ASSA ABLOY

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Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices,
electro-mechanical products and access control systems for new construction, renovation, and replacement applications.
The company's customer base includes commercial construction, institutional, and industrial markets.

ASSA ABLOY is the global leader in door opening solutions, dedicated to
satisfying end-user needs for security, safety and convenience.

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