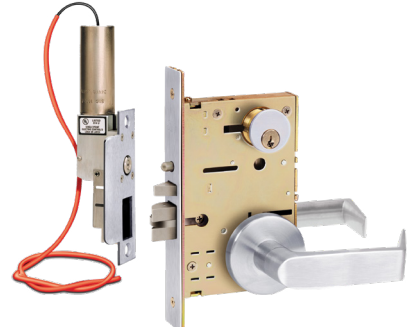


7500 Series

Solenoid Frame Actuator Controlled Mortise Locks



SDC's HiTower® 7500 series solenoid frame actuator controlled mortise locks are an evolution of SDC's original, patented design for using an electric frame actuator to control a modified mechanical door lock or exit device and is the groundbreaking product technology upon which SDC was founded over 50 years ago. Elegant in their simplicity, HiTower® locks provide hardwire control with no electric hinge and no wires in the door which eliminates costly parts and labor.

HiTower® locks provide building and fire life safety code compliance for fire rated office doors, corridor doors, lobby doors, exit doors and stairwell doors because all wires are contained in the door frame – eliminating the need for manufacturers to prep the door for wires to maintain fire ratings.

Z75 models are SDC brand mortise locks built to HiTower® specifications.

ZY75 models are mortise locks SDC built to retrofit discontinued manufacturer models previously modified to HiTower® specifications by SDC, including Falcon LM581, Sargent 7704/7705, Corbin 955L/2257, Russwin 7059L, Arrow 1600EW, Yale 8705, Almet 5007 and Best 35HEW.

ZR75 models are mortise locks SDC built to retrofit discontinued Falcon 5000/6000 series models to HiTower® specifications.

MODELS

Z75 Solenoid Frame Actuator Controlled Mortise Lock, SDC Brand

ZY75 Solenoid Frame Actuator Controlled Mortise Lock, SDC Retrofit Discontinued Models Previously Modified

ZR75 Solenoid Frame Actuator Controlled Mortise Lock, SDC Retrofit Discontinued Falcon Models

STANDARD FEATURES

- Heavy duty mortise design
- New or retrofit construction
- Vandal resistant clutch
- Solenoid frame actuator control
- Adjustable wide door gap compensation
- Key latch retraction*
- Schlage trim compatible

* Key cylinders sold separately, see related products.

OPTIONAL FEATURES

- Latch status (LS)
- Latch and deadlocked status (LLS)
- Trim options



APPLICATIONS

FAILSECURE OPERATION

Locked when de-energized, the failsecure mode is recommended for security applications, such as inner offices, equipment rooms and security mantraps. Loss of power causes all doors to lock. Battery backup is required for continued operation during a power loss.

FAILSAFE OPERATION

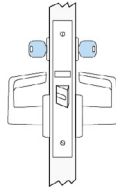
Locked when energized, the failsafe mode is recommended for fire life safety applications, such as stairwell doors, perimeter exit doors and safety mantraps. Loss of power or a signal from the life safety system causes all doors to unlock for free uninhibited access and egress.

LOCKED BOTH SIDES

Unlocked by an access control, remote control or key from either side.

7530 Locked Both Sides, Failsafe

7560 Locked Both Sides, Failsecure

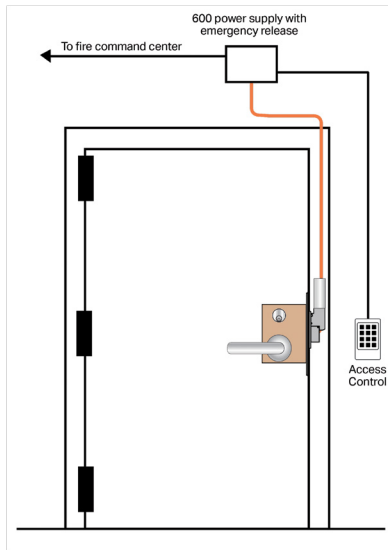
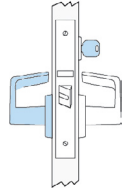


LOCKED OUTSIDE ONLY

Unlocked by an access control or key from the outside. Uninhibited egress at all times by turning the inside lever handle.

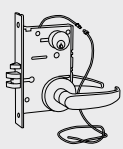
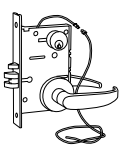
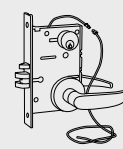
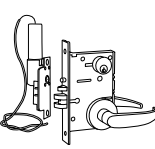

7550 Locked Outside Only, Failsafe

7570 Locked Outside Only, Failsecure



No wires through the door
No electric hinge

CROSS REFERENCE

Series	7800	7700	7600	7500	7200
					
Lock	Mortise	Mortise	Mortise	Mortise	Cylindrical
Electrification	Solenoid Control	MLR & Solenoid Control	MLR Control	Frame Actuator Control	Solenoid Control
	CLICK TO VIEW	CLICK TO VIEW	CLICK TO VIEW		CLICK TO VIEW


SPECIFICATIONS

	Z75	ZY75	ZR75
Type	Mortise, Frame Actuator Control	Mortise, Frame Actuator Control	Mortise, Frame Actuator Control
Build Specifications	SDC	Almet 5007, Arrow 1600EW, Best 35HEW, Falcon LM581, Corbin 955L/2257, Russwin 7059L, Sargent 7704/7705, Yale 8705	Falcon 5000/6000
Door Thickness	1¾"	1¾"	1¾"
Door Prep	ANSI A156.13	ANSI A156.13	ANSI A156.13
Backset	2¾"	2¾"	2¾"
Faceplate	8½" x 15½" x 7/32"	8½" x 15½" x 7/32"	8½" x 15½" x 7/32"
Case	6" x 4" x 1"	6" x 4" x 1"	6" x 4" x 1"
Latchbolt	¾" Throw, Stainless Steel, Anti-Friction	¾" Throw, Stainless Steel, Anti-Friction	¾" Throw, Stainless Steel, Anti-Friction
Deadlatch	Above Latchbolt	Above Latchbolt	Above Latchbolt
Standard Failsafe Actuator	Standard ANSI 47/8" x 1¼" 1¾" to 2" Frame Face	Standard ANSI 47/8" x 1¼" 1¾" to 2" Frame Face	Standard ANSI 47/8" x 1¼" 1¾" to 2" Frame Face
Narrow Failsafe Actuator*	8½" x 1¼" 1¼" to 1½" Frame Face	8½" x 1¼" 1¼" to 1½" Frame Face	8½" x 1¼" 1¼" to 1½" Frame Face
Failsecure Actuator	47/8" x 1¼" 1¾" to 2" Frame Face	-----	47/8" x 1¼" 1¾" to 2" Frame Face
Weight	7 lbs	7 lbs	7 lbs
Input	115 VAC ± 10% 24 VAC ± 10% 24 VDC ± 10%	115 VAC ± 10% 24 VAC ± 10% 24 VDC ± 10%	115 VAC ± 10% 24 VAC ± 10% 24 VDC ± 10%
Current Draw	200 mA @ 115 VAC 500 mA @ 24 VAC 500 mA @ 24 VDC	200 mA @ 115 VAC 500 mA @ 24 VAC 500 mA @ 24 VDC	200 mA @ 115 VAC 500 mA @ 24 VAC 500 mA @ 24 VDC
Monitoring Contacts	SPDT 5 Amps @ 30 VDC	SPDT 5 Amps @ 30 VDC	SPDT 5 Amps @ 30 VDC

* Special narrow strike plate frame prep required, 8½" x 1¼"


CERTIFICATIONS

UL 10C Positive Pressure Fire Tests of Door Assemblies
ULC-S104 Standard Method for Fire Tests of Door Assemblies

CSFM Listed 3774-0324:0101

HOW TO ORDER

FOLLOW STEPS FOR ORDERING

 Designates optional step

1| SPECIFY MODEL

- Z75** Solenoid Frame Actuator Controlled Mortise Lock, SDC Brand
- ZY75*** Solenoid Frame Actuator Controlled Mortise Lock, SDC Retrofit Discontinued Models Previously Modified
- ZR75** Solenoid Frame Actuator Controlled Mortise Lock, SDC Retrofit Discontinued Falcon 5000/6000 Models

* Almet 5007, Arrow 1600EV, Best 35HEW, Falcon LM581, Corbin 955L/2257, Russwin 7059L, Sargent 7704/7705, Yale 8705

2| SPECIFY FUNCTION

- 30** Locked Both Sides, Failsafe
- 50** Locked Outside Only, Failsafe
- 60** Locked Both Sides, Failsecure
- 70** Locked Outside Only, Failsecure

3| SPECIFY HANDING

- L** Left Hand (LH)
- LR** Left Hand Reverse (LHR)
- R** Right Hand (RH)
- RR** Right Hand Reverse (RHR)

4| SPECIFY FRAME ACTUATOR

Failsafe Actuators

- A** Standard 1¾" to 2" Frame Face, 115 VAC
- B** Standard 1¾" to 2" Frame Face, 24 VAC
- C** Standard 1¾" to 2" Frame Face, 24 VDC
- D*** Narrow 1¼" to 1½" Frame Face, 115 VAC
- E*** Narrow 1¼" to 1½" Frame Face, 24 VAC
- F*** Narrow 1¼" to 1½" Frame Face, 24 VDC


* Narrow strike plate frame prep required, 8½" x 1¼"

Failsecure Actuators

- G*** Standard 1¾" to 2" Frame Face, 115 VAC
- H*** Standard 1¾" to 2" Frame Face, 24 VAC
- J*** Standard 1¾" to 2" Frame Face, 24 VDC

* Not available for use with ZY75 models.

5| SPECIFY FINISH

- Q** 626 Dull Chrome  Standard
- P** 625 Bright Chrome
- C** 605 Bright Brass
- D** 606 Dull Brass
- F** 611 Bright Bronze
- G** 612 Dull Bronze
- H** 613 Dark Oil Rubbed Bronze
- S** 629 Bright Stainless
- U** 630 Dull Stainless

6| SPECIFY OPTIONS

- L** Latch Status (LS)
- S** Latch & Locked Status (LLS)

7| SPECIFY TRIM*



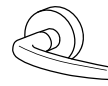
E
Eclipse
Rose



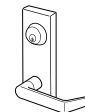
G
Galaxy
Rose



N
Nova
Rose



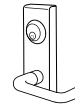
07**
Schlage 07
Rose



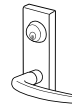
EE
Eclipse
Escutcheon



GE
Galaxy
Escutcheon



NE
Nova
Escutcheon



07E**
Schlage 07
Escutcheon

* Key cylinder not included, order separately.

** Available in 630 dull stainless finish only.

STEP NUMBER:	1	2	3	4	5	6	7
ORDERING EXAMPLE:	Z75	50	L	C	Q	S	E




RELATED PRODUCTS

SOCKET CONNECTORS

SC-10 Input Power Connectors, 10ft Cable

SC-10-5 Input Power & Monitoring Connectors, 10ft Cable

COMPATIBLE KEY CYLINDERS

CYL-6KAQ Mortise Cylinder, 6-Pin, 1½" Length, Keyed Alike 

CYL-6KDQ Mortise Cylinder, 6-Pin, 1½" Length, Keyed Different

MORTAR GUARD ELECTRIC BACK BOXES

For frame actuators with conduit knockouts. Recommended for new construction.

7500EB-S Standard Failsafe Actuator Mortar Guard Back Box

7500EB-N Narrow Failsafe Actuator Mortar Guard Back Box

7500EB-2 Failsecure Actuator Mortar Guard Back Box

SOLENOID FRAME ACTUATOR CONTROLLED FIRE-RATED EXIT DEVICES*

Incorporate SDC's patented HiTower® frame actuator to control the locking and unlocking of the door. Features include failsafe operation and unlock by access control, power loss or signal from fire command center. Door stays latched even when unlocked. Uninhibited egress. All wiring is maintained in the strike jamb. Complies with national building and fire codes. Eclipse escutcheon style trim standard.



STANDARD ACTUATOR (1¾" to 2" FRAME FACE)

S6303FHCLR36UEE Failsafe, LHRB, 115 VAC, 36" Door, 630

S6303FHARR36UEE Failsafe, RHRB, 115 VAC, 36" Door, 630

S6303FHCLR48UEE Failsafe, LHRB, 115 VAC, 48" Door, 630

S6303FHARR48UEE Failsafe, RHRB, 115 VAC, 48" Door, 630

S6303FHCLR36UEE Failsafe, LHRB, 24 VDC, 36" Door, 630

S6303FHARR36UEE Failsafe, RHRB, 24 VDC, 36" Door, 630

S6303FHCLR48UEE Failsafe, LHRB, 24 VDC, 48" Door, 630

S6303FHARR48UEE Failsafe, RHRB, 24 VDC, 48" Door, 630

S6303FHBLR36UEE Failsafe, LHRB, 24 VAC, 36" Door, 630

S6303FHBR36UEE Failsafe, RHRB, 24 VAC, 36" Door, 630

S6303FHBLR48UEE Failsafe, LHRB, 24 VAC, 48" Door, 630

S6303FHBR48UEE Failsafe, RHRB, 24 VAC, 48" Door, 630

* Consult factory for alternate trim, special finishes, monitoring options or narrow frame applications.

SOLENOID FRAME ACTUATOR CONTROLLED EXIT DEVICE MODIFICATIONS*

SDC can modify Yale 7130F-L5 Exit Devices to HiTower® specifications. Send your Yale 7130F-L5 exit device to SDC for modifications. Exit device applications are failsafe only.



STANDARD ACTUATOR (1¾" to 2" FRAME FACE)

O7550LRAQ Locked Outside Only, LHR, 115 VAC, 626

O7550RRAQ Locked Outside Only, RHR, 115 VAC, 626

O7550LRCQ Locked Outside Only, LHR, 24 VDC, 626

O7550RRCQ Locked Outside Only, RHR, 24 VDC, 626

O7550LRBQ Locked Outside Only, LHR, 24 VAC, 626

O7550RRBQ Locked Outside Only, RHR, 24 VAC, 626

* Consult factory for special finishes, monitoring options or narrow frame applications.

COMPONENT CONSIDERATIONS

KEYPADS & READERS

[CLICK TO VIEW](#)



SDC has a variety of digital keypad and proximity card access control system equipment to meet any need. SDC's keypads and readers are engineered to provide real-world door control of a single opening up to 100 doors, such as indoor, outdoor and PC-based systems, while ensuring fire and life safety code compliance along with superior expandability and flexibility in authorization identification, authentication, access approval and accountability of entities through login credentials.

KEY SWITCHES

[CLICK TO VIEW](#)



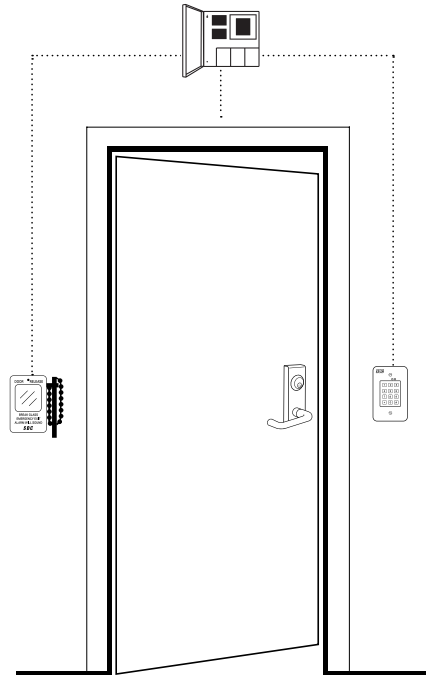
Early forms of access control began as manual key switches. Under SDC, key switches have evolved into an electrified access control method. SDC key switch assemblies provide an economical method of providing authorized control for a variety of applications and new or retrofit construction. Compatibility with a new or existing facility mechanical key system is maintained through the use of U.S. standard, 1" and 1 3/8" mortise key cylinders and interchangeable core cylinders (not included).

EMERGENCY DOOR RELEASES

[CLICK TO VIEW](#)



SDC's line of emergency door releases (EDR's) are designed to provide a physical method of unlocking an electronic lock in the event of an emergency and may influence the approval of an electric locking system. EDR's are usually fitted to emergency exit doorways in higher security areas. Our EDR's can initiate the release of an individual door or all doors on the same circuit and provide an auxiliary contact remote monitoring, CCTV activation or alarm activation.



POWER CONTROLLERS

[CLICK TO VIEW](#)



SDC access control power supplies have been developed specifically to support access controls and electric locking hardware. They are UL listed and provide filtered and regulated linear DC power, with optional control logic, component interface, alarm interface and battery back-up to meet the requirements of single and multiple access-controlled openings. The circuitry design is ideal for the inductive loads generated by access control hardware for high performance and longevity.