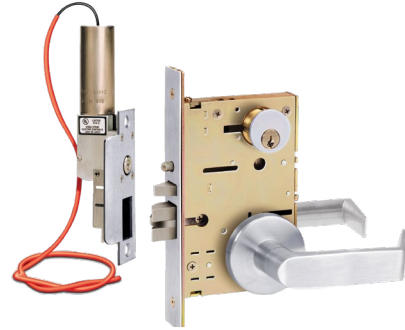


7500 Series

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

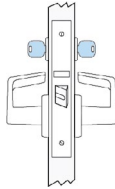
FAILSAFE OPERATION

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.

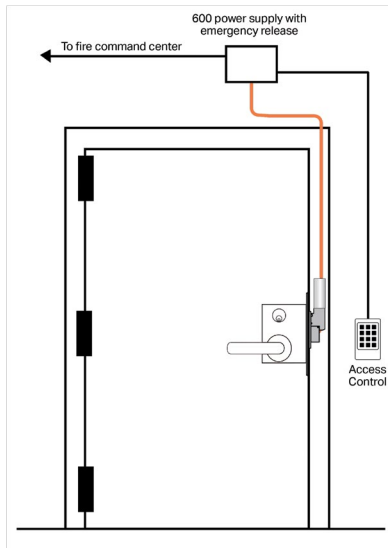
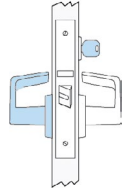
7530 Locked Both Sides, Failsafe



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



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 1⅝" x ⅞" | 8½" x 1⅝" x ⅞" | 8½" x 1⅝" x ⅞" |
| 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 4⅞" x 1¼" 1¼" to 2" Frame Face | Standard ANSI 4⅞" x 1¼" 1¼" to 2" Frame Face | Standard ANSI 4⅞" x 1¼" 1¼" 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 |
| 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 1600EW, 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

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"

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*



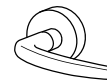
E
Eclipse
Rose



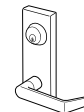
G
Galaxy
Rose



N
Nova
Rose



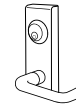
07**
Schlage 07
Rose



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