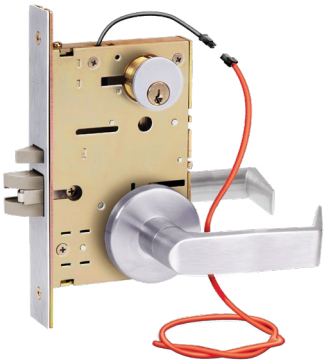
LOCKING DEVICES

SDC Selectric®

7800 Series

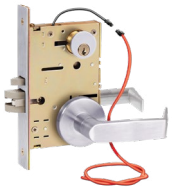
Solenoid Controlled Mortise Locks



SDC's Selectric® 7800 series solenoid controlled mortise locksets replace existing mechanical or electrifed mortise locksets for the access control of openings in commercial, industrial and institutional facilities where code compliance, dependable operation and resistance to physical abuse are required. These code compliant electric mortise locksets stay latched even when unlocked, maintaining fire door integrity and eliminate the need for exposed and vulnerable electric strikes and magnetic locks or request-to-exit devices.

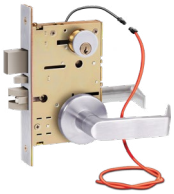
7800 series models incorporate a grade 1 heavy duty mortise lockset and vandal resistant clutch – proprietary to all SDC locksets. They replace most brands of mechanical locksets making them fully compatible with new and retrofit applications and provide field selectability of all operational attributes. All SDC mortise locks feature a mortise cylinder to manually retract the latch.*

** Key cylinders sold separately, see related products.*



Z7830
Z7832
Z7850
Z7852
Z7835

Mortise lockset without deadbolt



Z7870
Z7872
Z7880
Z7882

Mortise lockset with deadbolt

MODELS

Z78 SDC Solenoid Controlled Mortise Lock

ZS78 Solenoid Controlled Mortise Lock, SDC Supplied Schlage L9080

STANDARD FEATURES

- Heavy duty mortise design
- New or retrofit construction
- Vandal resistant clutch
- Solenoid control
- Key latch retraction
- Field reversible operation*
- Field selectable function*
- Field selectable dual voltage*
- Field reversible handing*
- Schlage trim compatible

** Not available for 35, 70, 72, 80, 82 functions.*

OPTIONAL FEATURES

- Request-to-exit (REX)
- Door position status (DPS)
- Latch status (LS)
- Latch and deadlocked status (LLS)
- Deadbolt status
- Trim options

YEAR 5 WARRANTY

APPLICATIONS

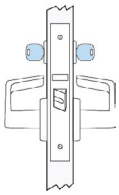
FAILSECURE OPERATION

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

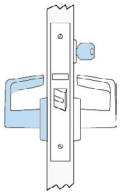


Unlocked by an access control, remote control or key from either side. Field reversible operation.

7830 Locked Both Sides, Failsafe

7832 Locked Both Sides, Failsecure

LOCKED OUTSIDE ONLY

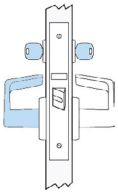


Unlocked by an access control or key from the outside. Uninhibited egress at all times by turning the inside lever handle. Field reversible operation.

7850 Locked Outside Only, Failsafe

7852 Locked Outside Only, Failsecure

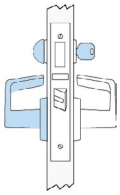
LOCKED OUTSIDE AND/OR INSIDE



Unlocked by an access control, remote control or key from either side. Alternately, unlocked by an access control or key from the outside and uninhibited egress at all times by turning the inside lever handle.

7835 Locked Outside and/or Inside, Failsecure Outside, Failsafe Inside

DEADBOLT SECURITY, LOCKED OUTSIDE ONLY

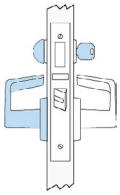


Deadbolt projected by key cylinder or thumbturn. Outside lever retracts deadbolt when electrically unlocked. Unlocked by an access control or key from the outside. Uninhibited egress at all times by turning the inside lever handle. Turning the inside lever will also retract the deadbolt.

7870 Deadbolt Security, Locked Outside Only, Failsafe

7872 Deadbolt Security, Locked Outside Only, Failsecure

DEADBOLT PRIVACY, LOCKED OUTSIDE ONLY

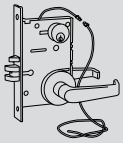
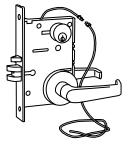
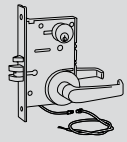
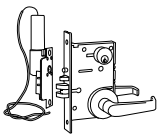


Deadbolt projected by key cylinder or thumbturn. Throwing deadbolt locks out electric operation of outside lever. Unlocked from the outside by key only. Uninhibited egress at all times by turning the inside lever handle. Turning the inside lever will also retract the deadbolt.

7880 Deadbolt Privacy, Locked Outside Only, Failsafe

7882 Deadbolt Privacy, Locked Outside Only, Failsecure

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

	Z78
Type	Mortise, Solenoid Control
Door Thickness	1¾"
Door Prep	ANSI A156.13
Backset	2¾"
Faceplate	8 1/32" x 1 5/16" x 7/32"
Case	6" x 4" x 1"
Latchbolt	¾" Throw, Stainless Steel, Anti-Friction
Deadbolt*	1" Throw
Deadlatch	Above Latchbolt
Strike	Standard ANSI 4⅞"
Weight	7 lbs
Input	12/24 VDC ± 10%
Current Draw	600 mA @ 12 VDC 300 mA @ 24 VDC
Monitoring Contacts	SPDT 5 Amps @ 30 VDC Resistive

**7870, 7872, 7880 and 7882 models only.*

CERTIFICATIONS

UL 10C Positive Pressure Fire Tests of Door Assemblies

ULC-S104 Standard Method for Fire Tests of Door Assemblies

CSFM Listed 3774-0324:0104

HOW TO ORDER

FOLLOW STEPS FOR ORDERING

Designates optional step

MORTISE LOCKSET WITHOUT DEADBOLT

1| SPECIFY MODEL

Z78 Solenoid Controlled Mortise Lock

ZS78 Solenoid Controlled Mortise Lock, SDC Supplied Schlage L9080

2| SPECIFY FUNCTION

30 Locked Both Sides, Failsafe

32 Locked Both Sides, Failsecure

50 Locked Outside Only, Failsafe

52 Locked Outside Only, Failsecure

35 Locked Outside and/or Inside, Failsecure Outside and Failsafe Inside

3| SPECIFY HANDING

L Left Hand (LH)

LR Left Hand Reverse (LHR)

R Right Hand (RH)

RR Right Hand Reverse (RHR)

4| SPECIFY VOLTAGE*

E 12 VDC

C 24 VDC

** For 35 functions only. Leave blank for all other functions which are field selectable dual voltage.*

5| SPECIFY FINSH

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

R Request-To-Exit (REX)

D Door Position Status (DPS)

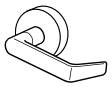
L* Latch Status (LS)

S** Latch & Deadlocked Status (LLS)

** Only available for 35 functions.*

*** Not available for 35 functions.*

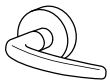
7| SPECIFY TRIM*



E Eclipse Rose

G Galaxy Rose

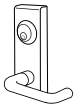
N Nova Rose



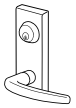
07** Schlage 07 Rose

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:	Z78	50	L		Q	R	E

CERTIFICATIONS

UL 10C Positive Pressure Fire Tests of Door Assemblies
ULC-S104 Standard Method for Fire Tests of Door Assemblies
CSFM Listed 3774-0324:0104

HOW TO ORDER

FOLLOW STEPS FOR ORDERING

Designates optional step

MORTISE LOCKSET WITH DEADBOLT

1| SPECIFY MODEL

Z78 Solenoid Controlled Mortise Lock

2| SPECIFY FUNCTION*

70 Deadbolt Security, Locked Outside Only, Failsafe

72 Deadbolt Security, Locked Outside Only, Failsecure

80 Deadbolt Privacy, Locked Outside Only, Failsafe

82 Deadbolt Privacy, Locked Outside Only, Failsecure

** Deadbolt models require 863 "L" cam, see related products.*

3| SPECIFY HANDING

L Left Hand (LH)

LR Left Hand Reverse (LHR)

R Right Hand (RH)

RR Right Hand Reverse (RHR)

4| SPECIFY VOLTAGE

E 12 VDC

C 24 VDC

5| SPECIFY FINSH

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

R Request-To-Exit (REX)

L Latch Status (LS)

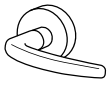
B Deadbolt Status

7| SPECIFY TRIM

E Eclipse Rose

G Galaxy Rose

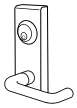
N Nova Rose



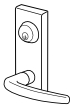
07 Schlage 07 Rose

EE* Eclipse Escutcheon

GE* Galaxy Escutcheon



NE* Nova Escutcheon



07E* Schlage 07 Escutcheon

** Key cylinder not included, order separately.*

STEP NUMBER:	1	2	3	4	5	6	7
ORDERING EXAMPLE:	**Z78**	**82**	**L**	**C**	**Q**	**R**	**E**

RELATED PRODUCTS

SOCKET CONNECTORS

CC1-5* Input Power Connectors, 5ft Cable

CC3-5* Input Power & Monitoring Connectors, 5ft Cable

CC1-5-70/80** Input Power Connectors, 5ft Cable

CC3-5-70/80** Input Power & Monitoring Connectors, 5ft Cable

* *Models without deadbolt only.*

** *Models with deadbolt only.*

COMPATIBLE KEY CYLINDERS

CYL-6KAQ Mortise Cylinder, 6-Pin, 1⅛" Length, Keyed Alike

CYL-6KDQ Mortise Cylinder, 6-Pin, 1⅛" Length, Keyed Different

863M ILCO 863M Schlage "L" Cam

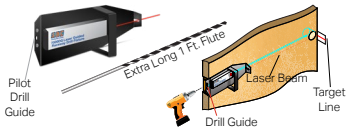
DOOR POSITION STATUS (DPS)

Magnetic door contacts and electromechanical ball switch assemblies provide a means of monitoring door status.

CLICK TO VIEW

LASER GUIDED WIRE RACEWAY DRILL FIXTURE KITS

CLICK TO VIEW



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