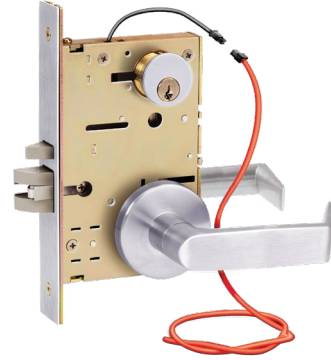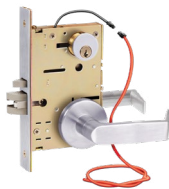SDC Selectric®

# 7800PRO Series

## Solenoid Controlled Mortise Locks

SDC's Selectric® 7800PRO and 7800MOD 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.
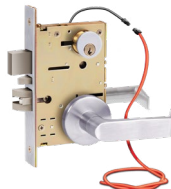
**7800PRO series models** incorporate a grade 1 heavy duty mortise lockset and vandal resistant clutch – proprietary to all SDC locksets. They replace most brands of mechanical locksets making them fully compatible with new and retrofit applications and provide field selectability of all operational 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

*the lock behind the system*

Security Door Controls

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# 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.
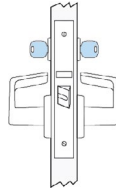
## FAILSAFE OPERATION

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

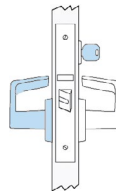**7832** Locked Both Sides, Failsecure

## 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.
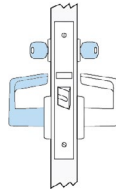
**7850** Locked Outside Only, Failsafe

**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.

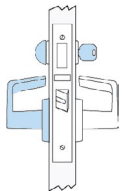**7835** Locked Outside and/or Inside, Failsecure Outside, Failsafe Inside

## 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

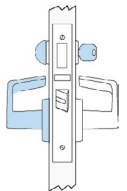**7872** Deadbolt Security, Locked Outside Only, Failsecure

## 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.
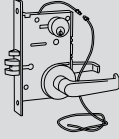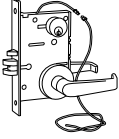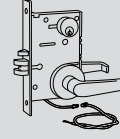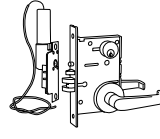
**7880** Deadbolt Privacy, Locked Outside Only, Failsafe

**7882** Deadbolt Privacy, Locked Outside Only, Failsecure

*the lock behind the system*

Security Door Controls

**SDC**

## 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 | 8¹⁄₃₂" x 1⁵⁄₁₆" 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.

## 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)
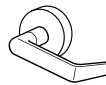
**D**  Door Position Status (DPS)

**L***  Latch Status (LS)

**S****  Latch & Deadlocked Status (LLS)

*\* Only available for 35 functions.*

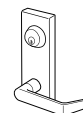*\*\* Not available for 35 functions.*

#### 7| SPECIFY TRIM*

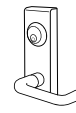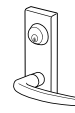| | | | |
|---|---|---|---|
|  |  |  |  |
| **E** Eclipse Rose | **G** Galaxy Rose | **N** Nova Rose | **07**\*\* Schlage 07 Rose |
|  |  |  |  |
| **EE** Eclipse Escutcheon | **GE** Galaxy Escutcheon | **NE** Nova Escutcheon | **07E**\*\* Schlage 07 Escutcheon |

*\* 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          CSFM Listed 3774-0324:0104

ULC-S104 Standard Method for Fire Tests of Door Assemblies

## HOW TO ORDER

*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)

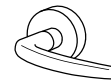**L** Latch Status (LS)

**B** Deadbolt Status

**7| SPECIFY TRIM**

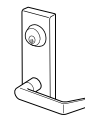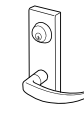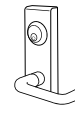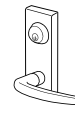| | | | |
|---|---|---|---|
| **E** Eclipse Rose | **G** Galaxy Rose | **N** Nova Rose | **07** Schlage 07 Rose |
| **EE*** Eclipse Escutcheon | **GE*** Galaxy Escutcheon | **NE*** Nova Escutcheon | **07E*** Schlage 07 Escutcheon |

*\* Key cylinder not included, order separately.*

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

*the lock behind the system*

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## 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

Pilot Drill Guide

Extra Long 1 Ft. Flute

Laser Beam

Drill Guide

Target Line