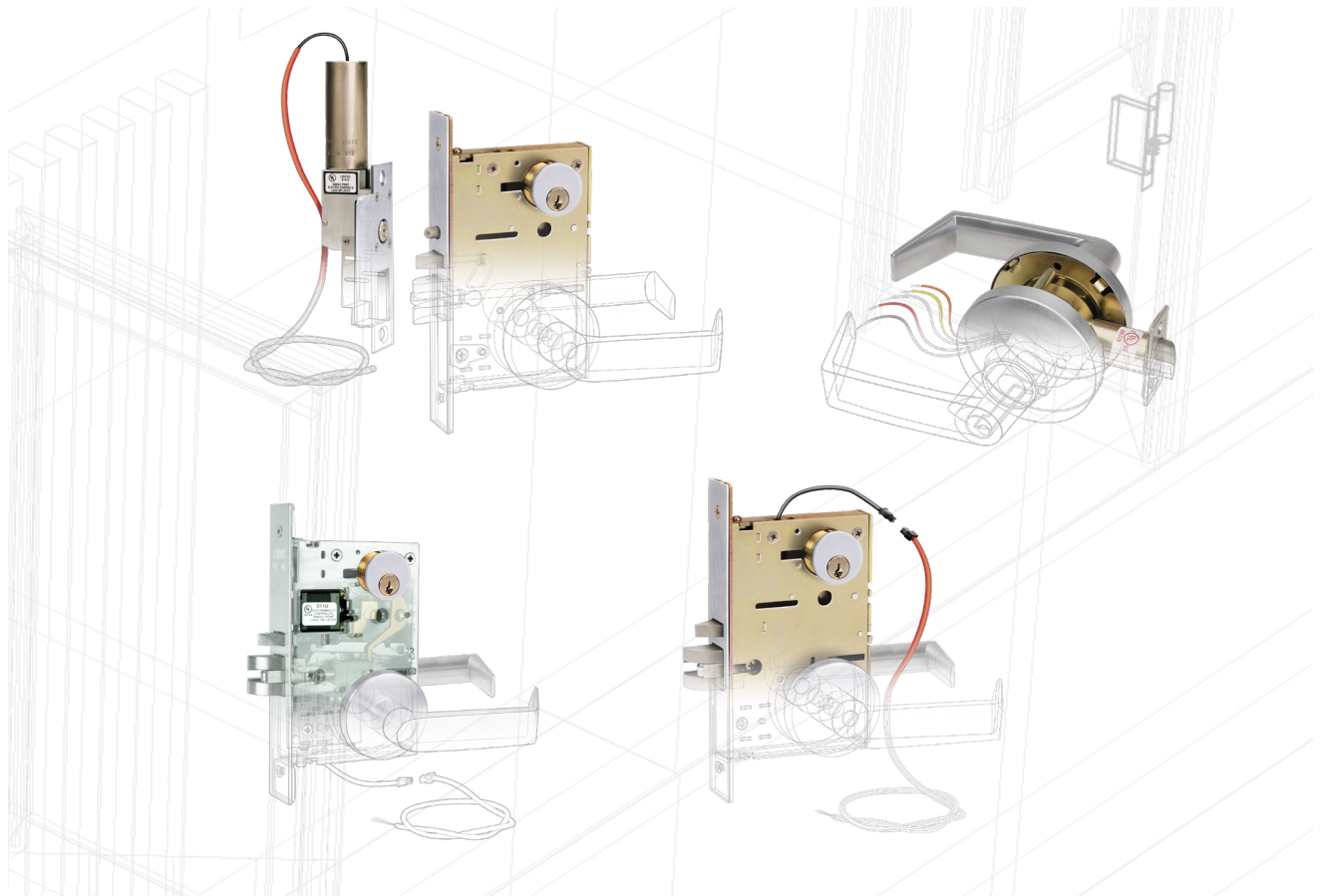


ELECTRIFIED LOCKSETS



Code Compliant Egress
& Security Hardware

the lock behind the system

SDC
Security Door Controls

TABLE OF CONTENTS

- INTRODUCTION 3

- WHY ELECTRIFIED CYLINDRICAL LOCKSETS 4

- WHY ELECTRIFIED MORTISE LOCKSETS 4

- ELECTRIFIED LOCKSET FUNCTIONALITY 5

- ELECTRIFIED CYLINDRICAL LOCKSETS
 - 7200 Series. 6

- ELECTRIFIED MORTISE LOCKSETS
 - 7500 Series. 7
 - 7600 Series. 8
 - 7700 Series. 9
 - 7800 Series. 10

- COMMON APPLICATIONS..... 12

- ADDITIONAL RESOURCES 14

INTRODUCTION

SDC electrified locksets are building and fire life safety code compliant for fire rated office doors, corridor doors, lobby doors, exit doors and stairwell doors. HiTower®, Selectric® and Electra™ locksets provide both the locking and latching features required for fire rated doors to meet security needs and fire life safety code requirements. Whether failsafe or failsecure, controlled access and remote control capability is provided while the door stays latched even when unlocked, maintaining fire door integrity. Since 1972 SDC has set the standard for security, safety and performance for electric locksets. Thousands of SDC electrified locksets have been installed in buildings dominating city skylines worldwide. Additional benefits of electrified locksets include:

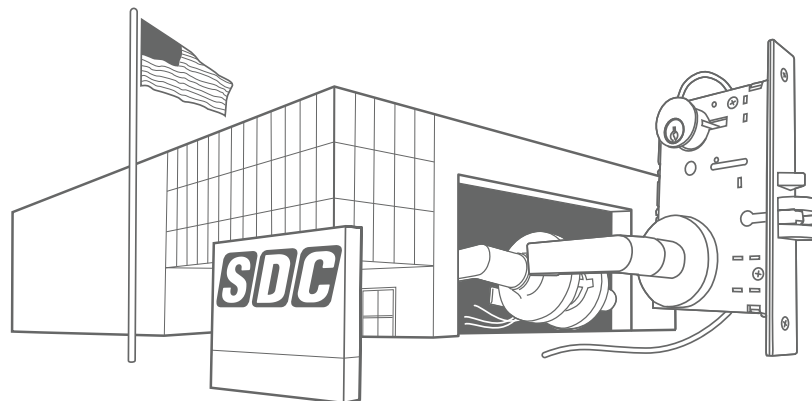


- Compatible with any type of access control
- Available as failsafe or failsecure
- Available in a variety of trim and finish options

Facility applications include: commercial high-rise buildings, industrial and technology centers, healthcare, transportation, government and military facilities, museums and universities.



Our U.S. factory has been retooled to build more products in-house - including electrified locksets – to diminish supply chain issues, increase quality control and cut lead times.



WHY ELECTRIFIED CYLINDRICAL LOCKSETS

Electrified cylindrical locksets are similar to mechanical cylindrical locksets but include a built-in solenoid to keep the latch from retracting when turning the handle from the outside of the door. From the inside of the door, the latch can be retracted by turning the handle, ensuring free egress for code compliance.

Entering the door from the outside requires a key or access control to disengage the solenoid, allowing the latch to retract when turning the handle. Electrified cylindrical locksets are typically less expensive than electrified mortise locksets and are well suited for both new and retrofit construction.

APPLICATION

Electrified cylindrical locks may be used on non-fire-rated and fire-rated wood, mineral core and hollow metal doors. Additionally, SDC's building code compliant 7200 Series electrified cylindrical locksets stay latched even when unlocked, maintaining fire door integrity. This basic ability complies with national code requirements for up to 3-hour fire-rated doors, including elevator lobby and stairwell doors where electromagnetic locks and electric strikes are not permitted.

Electrified cylindrical locks eliminate the need for exposed and vulnerable locking devices, such as electric strikes, magnetic locks and remote request-to-exit devices. Additionally, they are ideal for high profile installations that require high security or superior appearance.

WHY ELECTRIFIED MORTISE LOCKSETS

Electrified mortise locksets are equipped with a solenoid to enable or disable the outside door handle. The latchbolt can be retracted from the secured side simply by turning the handle. On the outside of the door, the handle will not engage the locking mechanism to open unless the solenoid is engaged.

This function ensures that anyone inside can get out simply by turning the handle, but an outside credential must use a key or an electrical means to disable the solenoid and unlock the door. Electrified mortise locks usually have a mechanical override function so that they can be opened by using a key or by turning the handle. Some electrified mortise locks incorporate a motor for retracting the latchbolt, while others may include both a solenoid and motor – depending on the application requirements.

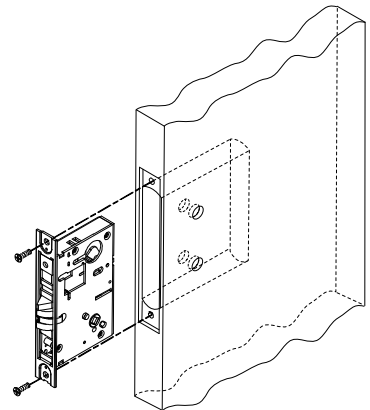
Electrified mortise locksets are well suited for both new and retrofit construction and can be more expensive than electrified cylindrical locksets because they typically provide a higher level of security.

MORTISE LOCKS DEFINED

A mortise lock usually combines a latch and deadbolt in one door lock that is installed in the door itself, requiring a pocket or mortise to be cut into the edge of the door for installation. Because the internal locking mechanisms are contained within the door, mortise locks offer increased security and privacy that cannot be easily tampered with or bypassed. With no hardware visible from the outside, the tamper-proof design of mortise locks also provide a better design aesthetic.

The noun mortise – “a hole or groove in which something is fitted to form a joint” – comes from 13th century Old French “mortaise”, or possibly from Arabic “murtazz”, a past participle of “razza”, meaning to “cut a mortise in”.

Mortise locks have been in use since the mid-18th century and have proven to be one of the most secure locking mechanisms available. Many mortise locks feature a built-in cylinder to be used with a key for extra security.



WHY ELECTRIFIED MORTISE LOCKSETS

Over time, mortise locks have evolved to provide passage, privacy, and deadlock functions, allowing installers to set the lock for a specified outcome. As such, they are a popular safety and security solution for a variety of requirements.

APPLICATION

Owing to their strength and durability, electrified mortise locks are most often used where security is vital. They may be used on non-fire rated and fire rated wood, mineral core and hollow metal doors. Additionally, SDC's building code compliant electrified mortise locksets stay latched even when unlocked, maintaining fire door integrity. This basic ability complies with national code requirements for up to 3-hour fire rated doors, including elevator lobby and stairwell doors where electromagnetic locks and electric strikes are not permitted.

Electrified mortise locks eliminate the need for exposed and vulnerable locking devices, such as electric strikes, magnetic locks and remote request-to-exit devices. What's more, they are ideal for high profile installations that require high security or superior appearance.

ELECTRIFIED LOCKSET FUNCTIONALITY

FAILSAFE OPERATION

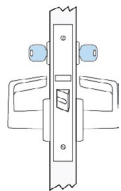
Locked when de-energized, the failsecure mode is recommended for security applications, such as inner offices, equipment rooms and security mantraps. Loss of power causes all doors to lock. Battery backup is required for continued operation during a power loss.

FAILSECURE 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.

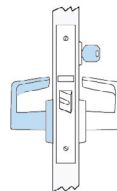
LOCKED BOTH SIDES FUNCTION

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



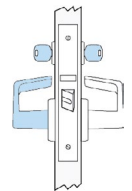
LOCKED OUTSIDE ONLY FUNCTION

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



LOCKED OUTSIDE AND/OR INSIDE FUNCTION

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.



ELECTRIFIED CYLINDRICAL LOCKSETS



7200 Series

Solenoid Controlled Cylindrical Locks

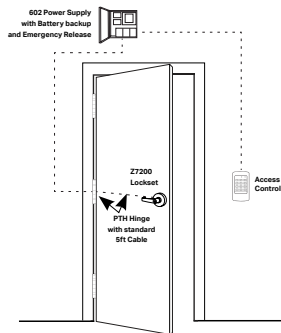
SDC's Electra™ 7200 series solenoid controlled cylindrical locks are designed for the access control of openings in commercial, industrial and institutional facilities where code compliance, dependable operation and resistance to physical abuse are required. These code compliant electric cylindrical locksets stay latched even when unlocked, maintaining fire door integrity and eliminating the need for exposed and vulnerable electric strikes and magnetic locks or request-to-exit devices.



7200 series models incorporate a grade 1 cylindrical lockset and vandal resistant clutch – proprietary to all SDC locksets. 7200 series locks come standard with built-in latch status monitoring, REX optional. They replace most brands of mechanical locksets making them fully compatible with new and retrofit applications.

Electra™ 7200 series standard features include:

- Heavy duty cylindrical design
- New or retrofit construction
- Vandal resistant clutch
- Solenoid control
- Key latch retraction
- Field selectable dual voltage
- Power regulator included
- Latch status (LS)



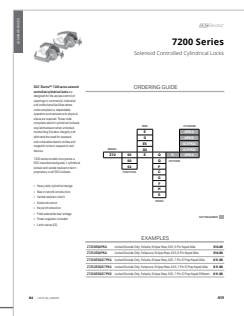
Features & Specs
7200 Datasheet

www.sdcsec.com/7200-datasheet



Part Numbers & Pricing
7200 Priceshet

www.sdcsec.com/7200-pricesheet



Common Part Numbers

- 72750EQ** Locked Outside Only, Failsafe, Eclipse Rose, 626
- 72752EQ** Locked Outside Only, Failsecure, Eclipse Rose, 626
- 72750EQ6PKA** Locked Outside Only, Failsafe, Eclipse Rose, 626, 6-Pin Keyed Alike
- 72752EQ6PKA** Locked Outside Only, Failsecure, Eclipse Rose, 626, 6-Pin Keyed Alike
- 72752E5QR** Locked Outside Only, Failsecure, Eclipse Rose, I-Core Prep, 626, REX
- 72752E5QIC7PKA** Locked Outside Only, Failsecure, Eclipse Rose, I-Core Prep, 626, 7-Pin IC, Small Format, Keyed Alike

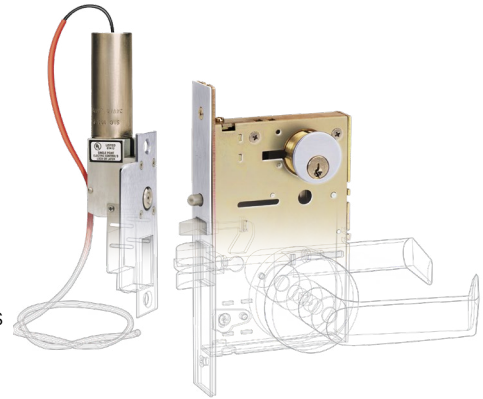
ELECTRIFIED MORTISE LOCKSETS



7500 Series

Solenoid Frame Actuator Controlled Mortise Locksets

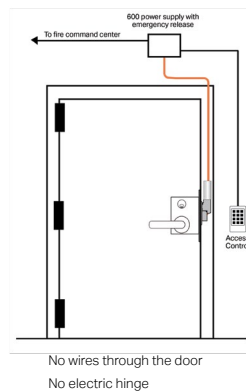
SDC's HiTower® 7500 series solenoid frame actuator controlled mortise locks are an evolution of SDC's original, patented design for using an electric frame actuator to control a modified mechanical door lock or exit device and is the groundbreaking product technology upon which SDC was founded over 50 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.

HiTower® 7500 series standard features include:

- 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



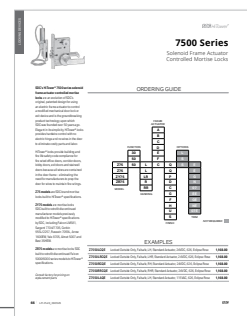
Features & Specs
7500 Datasheet

www.sdcsec.com/7500-datasheet



Part Numbers & Pricing
7500 Pricingsheet

www.sdcsec.com/7500-pricesheet



Common Part Numbers

- Z7550LCQE** Locked Outside Only, Failsafe, LH, Standard Actuator, 24VDC, 626, Eclipse Rose
- Z7550LRCQE** Locked Outside Only, Failsafe, LHR, Standard Actuator, 24VDC, 626, Eclipse Rose
- Z7550RCQE** Locked Outside Only, Failsafe, RH, Standard Actuator, 24VDC, 626, Eclipse Rose

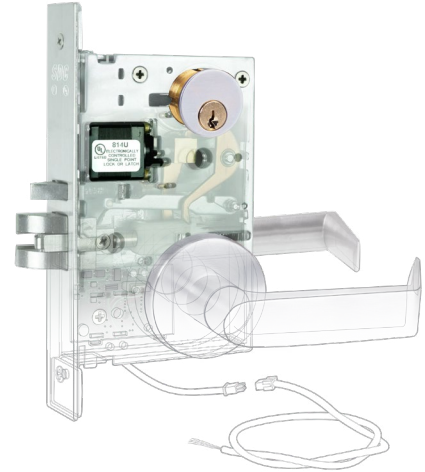
ELECTRIFIED MORTISE LOCKSETS

7600 Series

Motorized Latch Retraction Controlled Mortise Locks

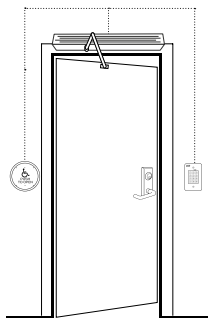
Electric solenoids have been used for decades in electrified hardware to operate deadbolts and retract or dog latchbolts. During periods of extended use, solenoids can become quite heated and noticeably sluggish. With advancements in electric motor technology, the use of a motorized electric latch retraction device provides several advantages over solenoids including lower current draw, quieter operation and greater durability over time. In 2018, SDC was one of the first in the industry to offer a MLR controlled mortise lock with the introduction of the 7600 series.

Motorized electric latch retraction (MLR) mortise locksets replace existing mechanical or electrified mortise locksets for the access control of openings in commercial, industrial and institutional facilities where code compliance, dependable operation and resistance to physical abuse is required. These code compliant electric mortise locksets stay latched even when unlocked, maintaining fire door integrity.



7600 series standard features include:

- Heavy duty cylindrical design
- New or retrofit construction
- Vandal resistant clutch
- MLR control
- Key latch retraction
- Field selectable function
- Field selectable handing
- Schlage trim compatible



Mortise lock powered by operator
MLR mortise lock retracts latch, allowing for door automation



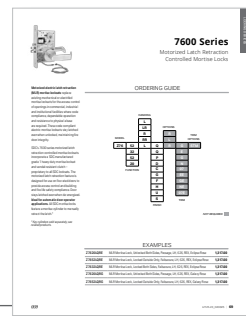
Features & Specs
7600 Datasheet

www.sdcsec.com/7600-datasheet



Part Numbers & Pricing
7600 Pricesheet

www.sdcsec.com/7600-pricesheet



Common Part Numbers

Z7620LQRE MLR Mortise Lock, Unlocked Both Sides, Passage, LH, 626, REX, Eclipse Rose

Z7652LQRE MLR Mortise Lock, Locked Outside Only, Failsecure, LH, 626, REX, Eclipse Rose

Z7632LQRE MLR Mortise Lock, Locked Both Sides, Failsecure, LH, 626, REX, Eclipse Rose

ELECTRIFIED MORTISE LOCKSETS

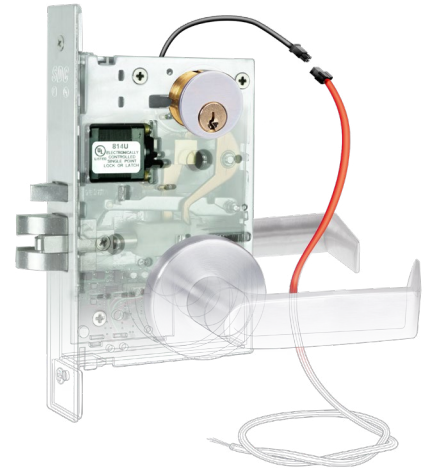
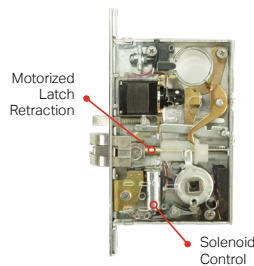
7700 Series

Motorized Latch Retraction & Solenoid Controlled Mortise Locks

Also in 2018, SDC introduced the 7700 Series with both motorized electric latch retraction and a solenoid for mortise lock control – another industry first and still proprietary to SDC. Ideal for automatic door operator applications, the solenoid controls the inside, outside or both door levers. The MLR and solenoid features operate independently to combine versatile passage functionality with failsafe or failsecure access control while meeting ADA compliance.

7700 series standard features include:

- Heavy duty mortise design
- New or retrofit construction
- Vandal resistant clutch
- MLR and solenoid control
- Key latch retraction
- Schlage trim compatible



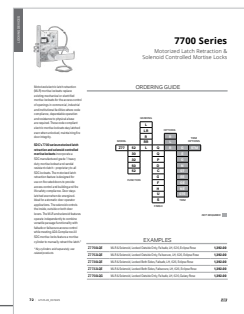
Features & Specs
7700 Datasheet

www.sdcsec.com/7700-datasheet



Part Numbers & Pricing
7700 Pricesheet

www.sdcsec.com/7700-pricesheet



Common Part Numbers

- Z7750LQE** MLR & Solenoid, Locked Outside Only, Failsafe, LH, 626, Eclipse Rose
- Z7752LQE** MLR & Solenoid, Locked Outside Only, Failsecure, LH, 626, Eclipse Rose
- Z7730LQE** MLR & Solenoid, Locked Both Sides, Failsafe, LH, 626, Eclipse Rose

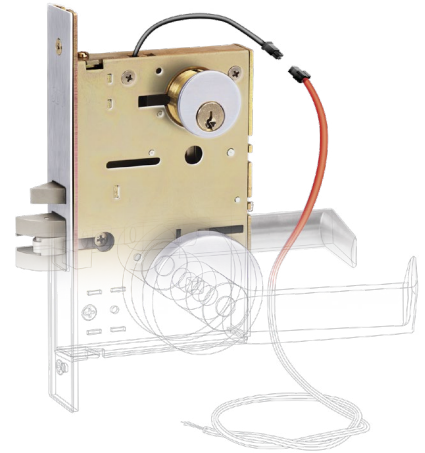
ELECTRIFIED MORTISE LOCKSETS



7800 Series

Solenoid Controlled Mortise Locks

SDC's mortise locksets replace existing mechanical or electrified 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.

Selectric® 7800 series standard features include:

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



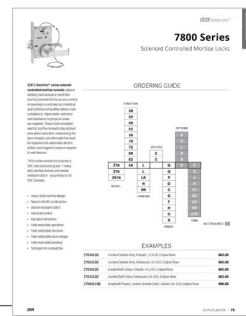
**Features & Specs
7800 Datasheet**

www.sdcsec.com/7800series-datasheet



**Part Numbers & Pricing
7800 Priceshet**

www.sdcsec.com/7800series-pricesheet



Common Part Numbers

- Z7850LQE** Locked Outside Only, Failsafe, LH, 626, Eclipse Rose
- Z7852LQE** Locked Outside Only, Failsecure, LH, 626, Eclipse Rose
- Z7830LQE** Locked Both Sides, Failsafe, LH, 626, Eclipse Rose
- Z7835RCQ** Locked Outside and/or Inside, Failsecure Outside and Failsafe Inside, RH, 24VDC, 626
- Z7880LCQE** Deadbolt Privacy, Locked Outside Only, Failsafe, LH, 24VDC, 626, Eclipse Rose

ELECTRIFIED MORTISE LOCKSETS

SK Series

Schlage L9000 Mortise Lock Field Electrification Kits

Convert mechanical locks into electric access controlled locks.

SDC's SK series field electrification kits for Schlage L9000 mortise locks allow for fast electrification of existing locks in the field. Failsafe and failsecure options are easily selected and can be changed in the field to suit any need.

Field request-to-exit (REX) monitoring kits provide indication of inside lever operation for alarm shunt, remote annunciation or CCTV activation. See related products.

SK series standard features include:

- Field selectable operation
- Field selectable dual voltage



Features & Specs
SK Datasheet

www.sdcsec.com/SKseries-datasheet



Part Numbers & Pricing
SK Priceshet

www.sdcsec.com/SKseries-pricesheet



Common Part Numbers

- SK-L90** Schlage L9070 Field Electrification Kit
- SK-L90-SC** Schlage L9080 Field Electrification Kit, Springage Included
- S7800-REX** Schlage L9070/L9080 Field REX Monitoring Kit

COMMON APPLICATIONS



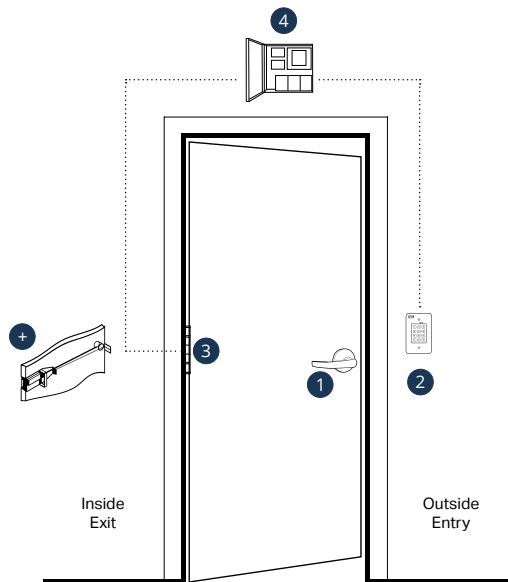
Access & Egress Security Solutions Brochure

Common electrified cylindrical lockset application solutions can be found on pages 6, 7, 8, 16, 19 and 21.



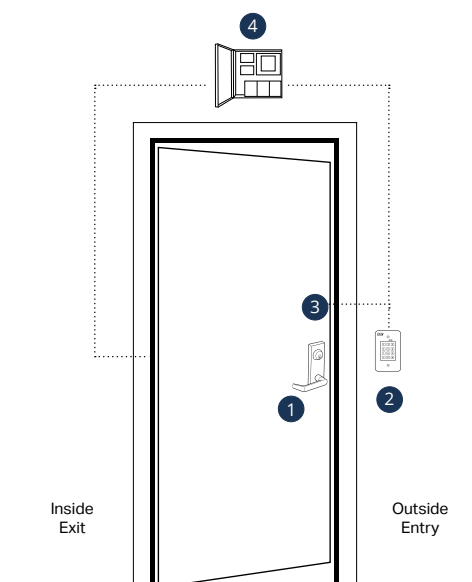
www.sdcsecurity.com/Solutions-Brochure

Electrified Cylindrical Lock Access Control



Access & Egress Security Solutions Brochure Page 6

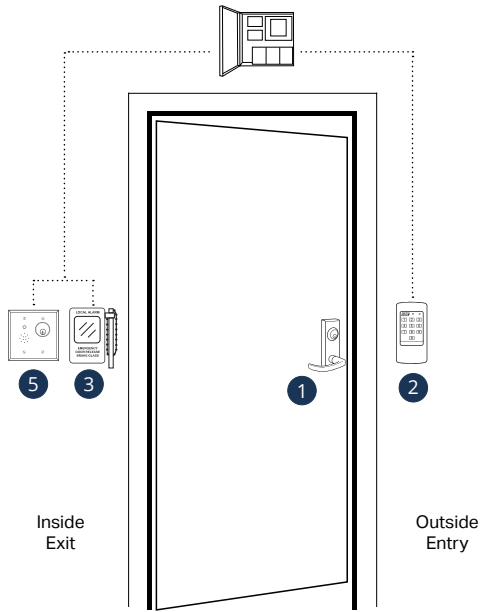
Electrified Mortise Lock Access Control



Access & Egress Security Solutions Brochure Page 7

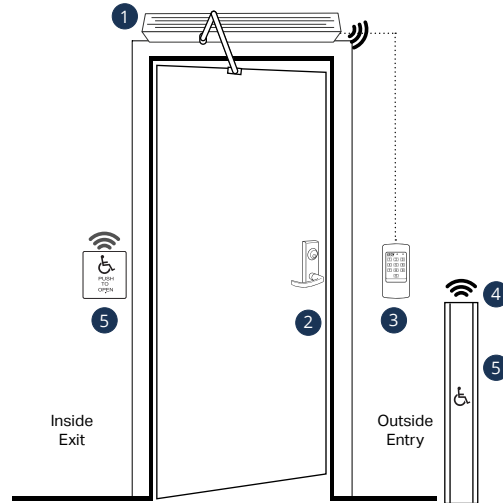
COMMON APPLICATIONS

Electrified Mortise Lock Stairwell Access Control



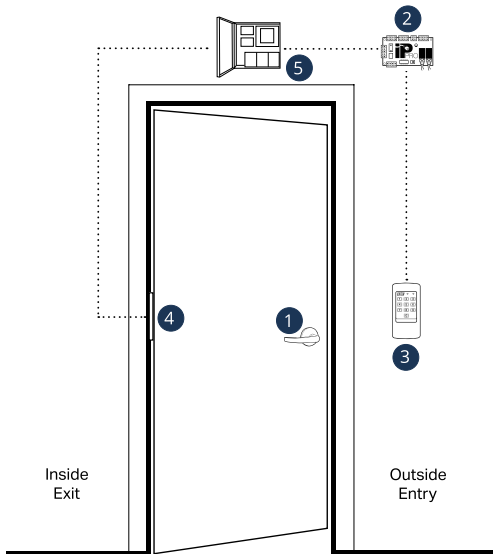
Access & Egress Security Solutions Brochure Page 8

Automated Mortise Lock Access Control



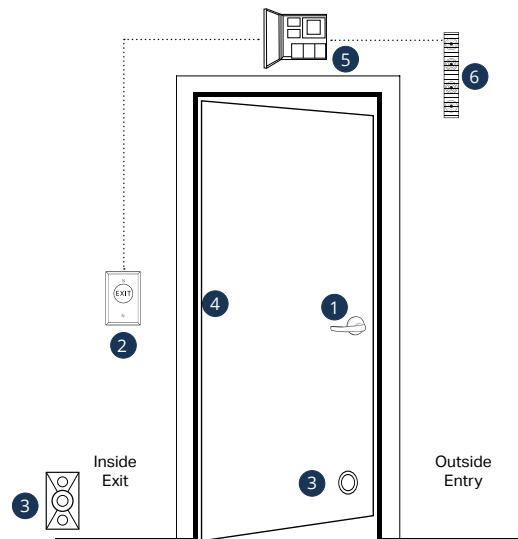
Access & Egress Security Solutions Brochure Page 16

Network Edge Physical Security for Data Rooms



Access & Egress Security Solutions Brochure Page 19

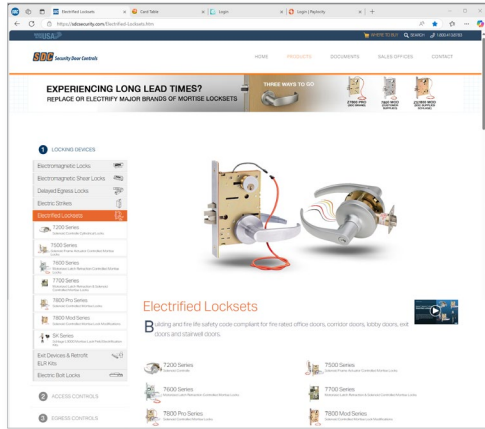
Code Compliant Classroom Lockdown



Access & Egress Security Solutions Brochure Page 21

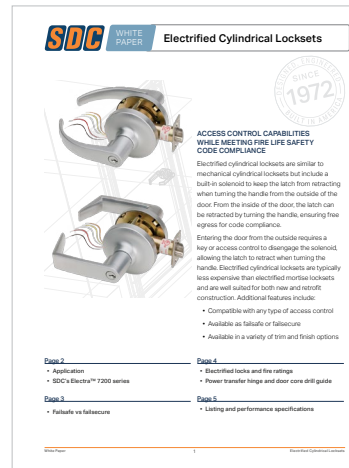
ADDITIONAL RESOURCES

Electrified Locksets Product Category Page



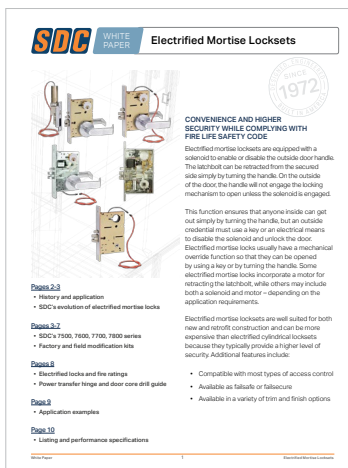
www.sdcsec.com/eLocks

Electrified Cylindrical Locksets White Paper



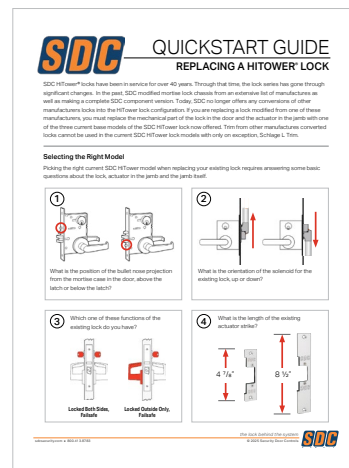
www.sdcsec.com/whitepapers-eCylindrical

Electrified Mortise Locksets White Paper



www.sdcsec.com/whitepapers-eMortise

HiTower Replacement Guide



www.sdcsec.com/HiTower-replacement

ADDITIONAL RESOURCES

Electrified Locks Overview Video



www.sdcsec.com/Electrified-Locksets

The HiTower Advantage Product Overview Video



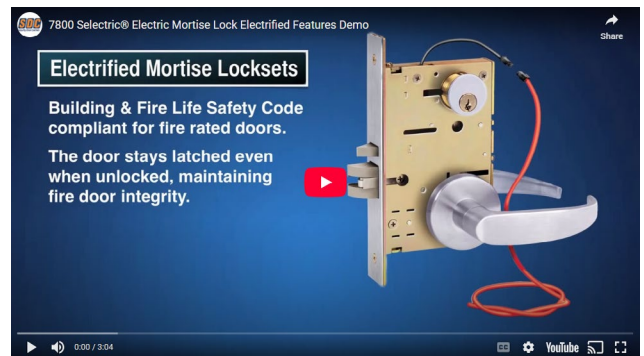
www.sdcsec.com/HiTower-Advantage

MLR Z7600 Mortise Lockset Video



www.sdcsec.com/MLR-Z7600

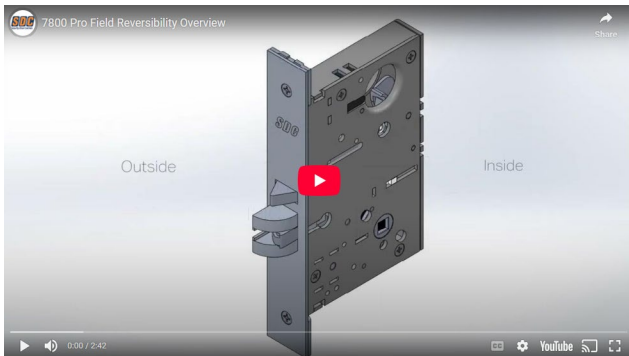
7800 Selectric Features Demo Video



www.sdcsec.com/7800-demo

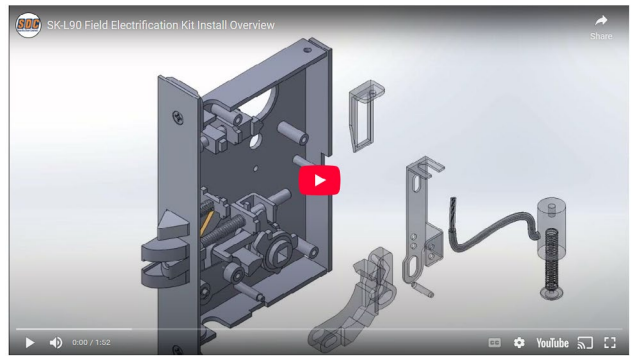
ADDITIONAL RESOURCES

7800 Field Reversibility Video



www.sdcsec.com/7800pro-reversibility

SK-L90 Field Electrification Kit Video



www.sdcsec.com/SK-L90-Kit

ADDITIONAL RESOURCES

Complementing our line of electrified locksets is the industry's most comprehensive suite of accessories – for meeting safety, security, and compliance requirements with flexibility and customization not found in other brands. **See related products on any electric strikes product datasheet for applicable accessories.**



KEYPADS & READERS

Keypads and readers are engineered to provide control of a single opening up to 100 doors, while ensuring fire and life safety code compliance.

Emergency Door Releases

Provides a physical method of unlocking an electronic lock in the event of an emergency and may influence the approval of an electric locking system.

POWER TRANSFER DEVICES

Electrified power transfer hinges, loops and mortise devices provide both surface and concealed methods transferring power to exit devices

POWER CONTROLLERS

SDC access control power supplies have been developed specifically to support access controls and electric locking hardware.

LOW ENERGY OPERATORS

Low energy swing door operators are designed for applications requiring ADA compliance, user convenience and touchless solutions

PUSH PLATES & PANELS

Low energy swing door operators are designed for applications requiring ADA compliance, user convenience and touchless solutions.

CHECK OUT **SDC ONLINE** FOR ALL YOUR PROJECT NEEDS

Our fully featured website has all the information, solutions and tools you'll need, including:

- Data Sheets
- Installation Instructions
- Videos
- Priceshets
- Comparison Charts
- Document Library
- Solution Flyers
- UL Listings
- Image Library
- Cool Tools
- 3 Part Specs
- And More!



www.sdcsecurity.com



Need Help Building Your Solution?

Use **DoorSnap™** in the free **SDC App** for your door retrofit projects



SDC Solution Experts Will Craft Personalized Solutions For You!

- 1 Open the SDC App and select DoorSnap™
- 2 Take a photos of your door opening
- 3 Submit photos of your door opening
- 4 Receive a complete access and egress electrified solution

Download the FREE SDCSecurity App now!

Our award-winning app includes labor-saving DoorSnap™ functionality. SDC will recommend a cost effective solution with product information links to retrofit the opening for access & egress control locking hardware.



