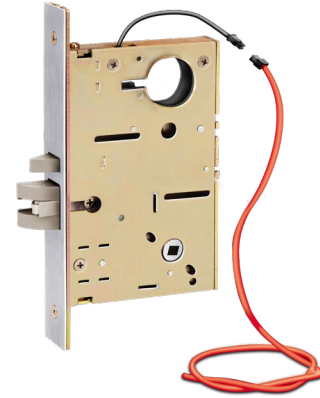


7800 Mod Series

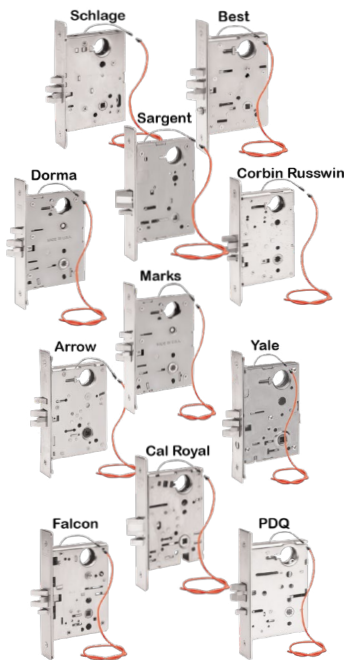
Solenoid Controlled
Mortise Lock Modifications



Send the brand lockset of your choice to SDC for electrification.

The 7800 Mod series electrifies customer supplied new or existing mechanical brands of mortise locksets. Simply send the brand lockset of your choice to SDC for electrification. Brands compatible for SDC modification include: **Schlage, Yale, Falcon, Arrow, Marks, PDQ, Dorma, Corbin Russwin, Sargent, Hager, Best and Cal Royal. Only storeroom function mortise lock chassis can be electrified.** A mortise cylinder manually retracts the latch.*

* Key cylinders sold separately, see related products.



MODELS

- A** Falcon LM561 / MA581
- D** Sargent 8204
- H** Hager 3880
- I** Corbin Russwin ML2055
- P** Yale 8805
- S** Schlage L9080
- T** Best 35HEW / 45H
- U** Dorma M9000
- V** Marks 5EW
- W** Cal Royal M8080

STANDARD FEATURES

- Solenoid control
- Key latch retraction
- Field reversible operation
- Field selectable function
- Field selectable dual voltage

OPTIONAL FEATURES

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

* Not available for Hager and Cal Royal models.

** Available for Schlage models only.



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

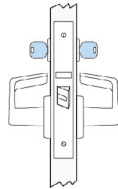
Locked when energized, the failsafe mode is recommended for fire life safety applications, such as stairwell doors, perimeter exit doors and safety mantraps. Loss of power or a signal from the life safety system causes all doors to unlock for free uninhibited access and egress.

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

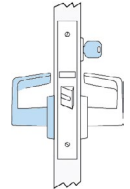


LOCKED OUTSIDE ONLY

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



SPECIFICATIONS

78

Type	Mortise, Solenoid Control
Input	12/24 VDC ± 10%
Current Draw	600 mA @ 12 VDC 300 mA @ 24 VDC
Monitoring Contacts	SPDT 5 Amps @ 30 VDC Resistive

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

1| SPECIFY MODEL

- A*** Falcon LM561 / MA581
- D** Sargent 8204
- H** Hager 3880
- I** Corbin Russwin ML2055
- P** Yale 8805
- S** Schlage L9080
- T** Best 35HEW / 45H
- U** Dorma M9000
- V** Marks 5EW
- W** Cal Royal M8080

* Falcon faceplate 020100-000 must be supplied to SDC Factory

2| SPECIFY MODIFICATION

- 78** Solenoid Controlled Mortise Lock


3| SPECIFY FUNCTION

- 30** Locked Both Sides, Failsafe
- 32** Locked Both Sides, Failsecure
- 50** Locked Outside Only, Failsafe
- 52** Locked Outside Only, Failsecure

4| SPECIFY HANDING

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

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

- R*** Request-To-Exit (REX)
 - D**** Door Position Status (DPS)
 - S**** Latch & Deadlocked Status (LLS)
 - L*** Latch Status (LS)
- * Not available for Hager and Cal Royal models.
 ** Available for Schlage models only.

STEP NUMBER:	1	2	3	4	5	6
ORDERING EXAMPLE:	S	78	52	L	Q	R

RELATED PRODUCTS

SOCKET CONNECTORS

- CC1-5** Input Power Connectors, 5ft Cable
- CC3-5** Input Power & Monitoring Connectors, 5ft Cable

DOOR POSITION STATUS (DPS)

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

[CLICK TO VIEW](#)

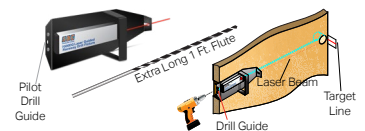


COMPATIBLE KEY CYLINDERS

- CYL-6KAQ** Mortise Cylinder, 6-Pin, 1 1/8" Length, Keyed Alike
- CYL-6KDDQ** Mortise Cylinder, 6-Pin, 1 1/8" Length, Keyed Different

LASER GUIDED WIRE RACEWAY DRILL FIXTURE KITS

[CLICK TO VIEW](#)



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](#)



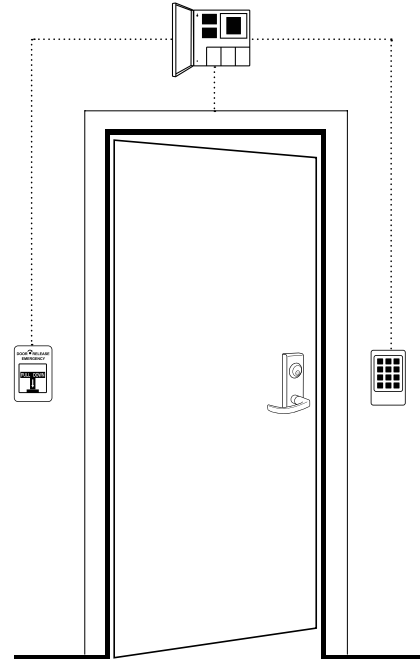
SDC's line of emergency door releases (EDR's) are designed to provide a physical method of unlocking an electronic lock in the event of an emergency and may influence the approval of an electric locking system. EDR's are usually fitted to emergency exit doorways in higher security areas. Our EDR's can 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 TRANSFER DEVICES

[CLICK TO VIEW](#)



Electrified power transfer hinges (PTH Series), loops (PT Series) and mortise devices (PTM Series) provide both surface and concealed methods for running wires from the frame to transfer power and monitoring signals to doors equipped with electric locks and exit devices. Wireless power transfer devices (WPT Series) wirelessly transfer power and monitor latch bolt status, REX or data signals to electrified locks and latches.



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.

DOOR CONTROLS & BACKUP BATTERIES

[CLICK TO VIEW](#)



SDC's door control relay modules ensure compatibility of access hardware components and simplify system installation and troubleshooting. Different modules may be specified for one power supply. The isolated relay design allows trigger signals over small gauge cable runs of 22 gauge wire up to 1,000 feet from the trigger device to the module. SDC's engineered system design services are available when you purchase SDC locks, control modules and power controllers for your door opening applications.