



S7200 / ZS7200 Cylindrical Lock Electrification

Schlage ND Cylindrical Lock Electrification

Application

SDC Electrified Cylindrical Locksets are designed for the access control of openings in commercial, industrial and institutional facilities where code compliance, dependable operation and resistance to physical abuse is required, including:

- High-Rise Offices
- Hospitals
- Universities
- Museums
- Government Centers
- Airports
- Factories

Building and Fire Life Safety Code Compliant

SDC electrified cylindrical locks ensure that the door stays latched even when unlocked, maintaining fire door integrity. SDC electrified locksets comply with all national building and fire life safety code requirements for use on fire rated doors, including high-rise stairwell and elevator lobby doors where the use of electric strikes and magnetic locks is prohibited.

Security with Superior Aesthetics

Available in failsafe and failsecure modes to accommodate either security or fire life safety applications, SDC electrified locksets provide a superior appearance compared to exposed and vulnerable electric strikes and magnetic locks, while eliminating the need for request-to-exit devices.

Benefits

- May be used in new or retrofit construction
- Building and Fire Life Safety Code Compliance
- Ideal for high usage environments.
- Retrofits existing mechanical lock prep



Electrically Operated Single Point Locks & Latches, 3hr 'A' Label Fire Doors



SDC is not a licensee of, or affiliated or connected with Ingersoll-Rand, Schlage Lock Company or any of their subsidiaries or affiliates.



Schlage ND80PD
Electrified by SDC

Features

- Request-to-exit output optional with all locksets
- Dual Voltage 12 and 24VDC
- Choice of failsafe or failsecure operating mode
- Independent power return springs for effective lever action and prevention of lever sag
- Schlage 'C' keyway
- No exposed mounting screws
- Choice of six architectural finishes
- Exceeds ANSI A156.2 Grade 1 specifications
- Lever handle styles comply with ADA easy access requirements and CSFM, California State Fire Marshal, Title 19

SDC PTH Power Transfer Hinge with 5ft Cable



UL LISTED
10B Listed for 3hr Fire Rated Door

SECURITY DOOR CONTROLS

www.sdcsecurity.com E-mail: service@sdsecurity.com



Ordering Information

Model

All standard locksets are supplied with a 6 pin cylinder with a Schlage "C" keyway. Keyed different, with 2 keys.

Distributor supplies Schlage D-Lock to SDC factory for Electrification S7250

Fail-safe - Outside locked when energized, unlocked by an access control or key from the outside and rotating the inside lever provides egress at all times.

S7252 Fail-secure - Outside locked when de-energized. Unlocked by an access control or key from the outside and rotating the inside lever provides egress at all times

SDC Factory Supplied Electrified Schlage D Lockset

ZS7250 Fail-safe - Outside locked when energized, unlocked by an access control or key from the outside and rotating the inside lever provides egress at all times.

ZS7252 Fail-secure - Outside locked when de-energized. Unlocked by an access control or key from the outside and rotating the inside lever provides egress at all times

Lever Trim

SDC levers comply with ADA requirements. The heavy-duty power spring provides smooth and efficient action..



Finish

- | | |
|---------------------------|---------------------------------|
| C 605 Bright Brass | H 613 Oil Rubbed Bronze |
| D 606 Dull Brass | P 625 Bright Chrome |
| G 612 Dull Bronze | Q 626 Dull Chrome (std.) |

Options

Request-to-Exit

R Turning the inside lever for egress activates the built in REX output providing a momentary signal to the access control REX input for alarm shunt during egress. SPDT 3 Amps @ 30VDC

Standard Cylinders

Keyed different is standard and need not be specified

6PKA 6 Pin Cylinder, keyed alike (optional)

Electrical Specifications

Voltage Dual 12/24VDC Input
Current 600/300mA @ 12/24VDC
REX Output SPDT 3 Amps @ 30VDC

Mechanical Specifications

Latchbolt 0.5" throw
Backset 2.75"
Strike 4.875" ANSI A115.2
Door Thickness 1.625" to 2.125"

PTH Power Transfer Hinge

Features

- UL10B Listed for 3 Hr Fire Doors. If the hinge you are presently using does not bear the F mark, it is not listed for use with fire doors.
- 800,000 cycles. 8 times UL test criteria
- Wire Replacement Warranty



Ordering Information

Model

PTH-4 Four conductor hinge 28 Ga. 1-pair 1 Amp, 1-pair 250 mA, 4.5" x 4.5" standard weight

PTH-10 Ten conductor hinge, 30 Ga. 1-pair 1 Amp, 4-pair, 250 mA, 4.5" x 4.5" standard weight

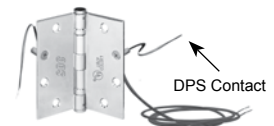
Consult factory for 3 knuckle, special size, or heavy weight requirements.

Finish

All base material steel

- | | |
|-------------------------------------|--------------------------------|
| Q 626 Dull Chrome (standard) | P 625 Bright Chrome |
| C 605 Bright Brass | H 613 Oil Rubbed Bronze |
| U 630 Dull Stainless Steel | |

Options



PTH hinge with door position switch

Optional door status switches are disguised as mounting screws. Laboratory tested, UL Listing is maintained when door status switches are specified.

DPS Door Position Switch SPDT, 250 mA @ 30VDC

Door Core Drill Fixture Kit

Features

The SDC door core drill fixture provides the best method of wire preparation for fire rated or non-fire rated particle filled or solid wood doors to accommodate the installation of electrified locksets, exit devices and hinges while maintaining door integrity and rating

- 7000-DF** Door Core Drill Fixture
- 7000-DB** 5/16" Custom Replacement Drill bit





7200 ELECTRIFIED CYLINDRICAL LOCKSETS

Application

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. (See Misapplication*, page 2)

For high profile installations that require security with superior aesthetics, failsafe and failsecure electric cylindrical locks eliminate the need for exposed and vulnerable locking devices, such as electric strikes, magnetic locks and remote request to exit devices.

Failsafe - 7250

Unlocked when energized, the failsafe cylindrical lock function 7250 is ideal for perimeter door applications. Unlike a *magnetic lock, the failsafe electrified cylindrical lock function 7250 is never locked from the inside and permits uninhibited egress at all times by turning the inside manual lever handle. This also eliminates the need for secondary request-to-exit (REX) devices, such as motion detectors, exit switches and switch bars. When connected to the fire life safety command center, the lock releases immediately in an emergency, transforming a stairwell or elevator lobby door from a one-way exit into a two-way exit. This permits re-entry and eliminates the possibility of stairwell entrapment and potential exposure to life threatening smoke inhalation. Additionally, fire fighters are permitted uninhibited access to all floors during an emergency, speeding life saving and fire extinguishing efforts.

Failsecure - 7252

Unlocked when energized, the failsecure electric cylindrical lock function 7252 is ideal for interior high security applications. The function 7252 is never locked from the inside and permits uninhibited egress at all times by turning the inside manual lever handle. This also eliminates reliance on secondary request-to-exit (REX) devices. Battery backup power supplies may be specified to provide power for operation during power outage.

Facility applications include: Commercial High-Rise Buildings, Industrial and Technology Centers, Health Care, Transportation, Government and Military Facilities, Museums and Universities.

Access control applications include: Office and work center doors, mantrap doors, stairwell doors, elevator lobby doors, and exit doors.

Code Compliance

UBC, SBC, BOCA, IBC, IFC, NFPA, UFC, California Building Code, Chicago Building Code. ADA - Americans with Disabilities Act, 1991. California State Reference Code (formerly CSFM Title 19), Galaxy and Eclipse style lever handles return to within 1/2" of door face.

Listings

UL Listed: Electrically Controlled Single Point Locks & Latches
CSFM Listed: California State Fire Marshal

WHAT'S NEW

Electra™ PRO - SDC Brand

The **Z7200** series features an SDC manufactured ANSI Grade 1 Heavy Duty cylindrical lockset that retrofits other mechanical cylindrical lock brands. Standard features include: SPDT request-to-exit output; clutch for vandal and abuse resistance from forced lever handles; Dual 12/24VDC input.

Specify **Z7200** for new or retrofit applications that require a full-featured lockset with or without request-to-exit outputs, application versatility and vandal resistance.

Electra™ Mod - Schlage D Lock Electrification

The **S7200** and **ZS7200** series feature an SDC electrified Schlage D ANSI Grade 1 Heavy Duty cylindrical lockset that retrofits Schlage or other mechanical cylindrical lock brands. Standard dual 12/24VDC input. Request-to-Exit output is optional and must be specified.

S7200: The Schlage D cylindrical lock supplied by the distributor to the SDC factory for electrification.

ZS7200: SDC electrified Schlage D cylindrical lock is supplied by SDC.

Specify **S7200** and **ZS7200** series where Schlage electrified locks are preferred for the retrofit of Schlage or other brand mechanical locksets.

*Misapplication of Magnetic Locks and Strikes

Magnetic Locks

The use of electromagnetic locks is not recommended for stairwell doors for several reasons. (1) National codes have no provision for locking the interior side of stairwell doors at any time. (2) When a magnetic lock is energized the door is locked on the interior and exterior. (3) Egress ability relies upon the proper installation and reliability of a secondary switching device and/or relay (integrated or external), rather than the inherently safe manual lever egress operation of an electrified lockset. (4) Codes do not permit the use of a wall mounted exit switch for stairwell door egress. This requires both prior knowledge and two actions to achieve egress, as opposed to the single natural motion of lever rotation provided by electrified lockset.

Electric Strikes

Electric strikes are not permissible on stairwell doors at any time. Failsafe electric strikes do not keep the door latched when unlocked, failing to maintain fire door integrity. Failsecure electric strikes are incapable of releasing during an emergency.

Approval of these products by local inspectors for stairwell door applications may not qualify as code compliant and may be indicative of code misinterpretation