



Z7200 Series Electrified Cylindrical Lockset

Electrified Cylindrical Locks With Request-to-Exit Output

Application

Z7200 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:

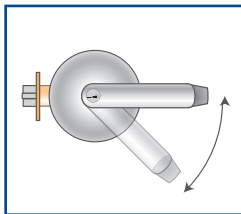
- High-Rise Offices
- Government Centers
- Hospitals
- Airports
- Universities
- Factories
- Museums

Building and Fire Life Safety Code Compliant

Z7200 electrified cylindrical locks ensure that the door stays latched even when unlocked, maintaining fire door integrity. Z7200 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, Z7200 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.



Vandal Resistant Lever Handles Standard With SDC Brand Lockset

When locked, the built-in clutch permits the handles to operate without retracting the latch, reducing potential for damage.



Features

- Request-to-exit output standard with all locksets
- Dual Voltage 12 and 24VDC
- Choice of failsafe or failsecure operating mode
- Clutch allows the lever to operate while the door stays locked for increased vandal and abuse resistance
- Independant power return springs for effective lever action and prevention of lever sag
- SDC cylinder with 'C' keyway
- Small format Interchangeable core (*optional*)
- No exposed mounting screws
- Strikes available to match existing frame preparation
- Choice of seven architectural finishes
- Exceeds ANSI A156-2 Grade 1 specifications
- SDC lever handle styles comply with ADA easy access requirements and CSFM, California State Fire Marshal, Title 19

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



3774-0324-104

PTH Power Transfer Hinge with 5ft Cable



10B Listed for 3hr Fire Rated Door

SECURITY DOOR CONTROLS

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



ISO 9001 : 2000
FM 52705

Ordering Information

Model

A Request-to-Exit output is standard with all models. 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.

All standard locksets are supplied with a 6 pin cylinder with a Schlage "C" equivalent keyway. Keyed different, with 2 keys. See keyed alike options below.

Z7250 Failsafe - Outside locked when energized, unlocked by an access control or key from the outside and rotating the inside lever provides egress at all times.

Z7252 Failsecure - 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 Z7200 HiTower® levers comply with ADA requirements. The heavy-duty power spring provides smooth and efficient action and the lever's clutch mechanism prevents breakage.



G Galaxy



E Eclipse

Finish

C 605 Bright Brass	H 613 Oil Rubbed Bronze
D 606 Dull Brass	P 625 Bright Chrome
F 611 Bright Bronze	Q 626 Dull Chrome (<i>std.</i>)
G 612 Dull Bronze	

Cylinders

Standard Cylinders

Keyed different is standard and need not be specified

6PKA 6 Pin Cylinder, keyed alike (*optional*)

Interchangeable Core

IC6P-KD 6 pin I-Core, small format, keyed different

IC6P-KA 6 pin I-Core, small format, keyed alike

Options

Optional Strikes

A 4.875" ANSI strike is standard unless specified otherwise

ST2 2.25" ANSI strike with square corners

ST3 2.25" Full lip strike with square corners (*for wood frames*)

ST4 standard

Optional Latch and Backset Assemblies

The standard latch assembly supplied has a 0.5625" projection, 2.75" backset and is UL listed for use with single door openings with 3 hour A Label fire doors. A 0.75" projection latchbolt must be specified for use with pairs of fire doors.

L75 0.75" latchbolt assembly

B2 2.375" backset latch assembly with 0.5625" latch

Electrical Specifications

Voltage Dual 12/24VDC Input

Current 600/300mA @ 12/24VDC

REX Output SPDT 3 Amps @ 30VDC

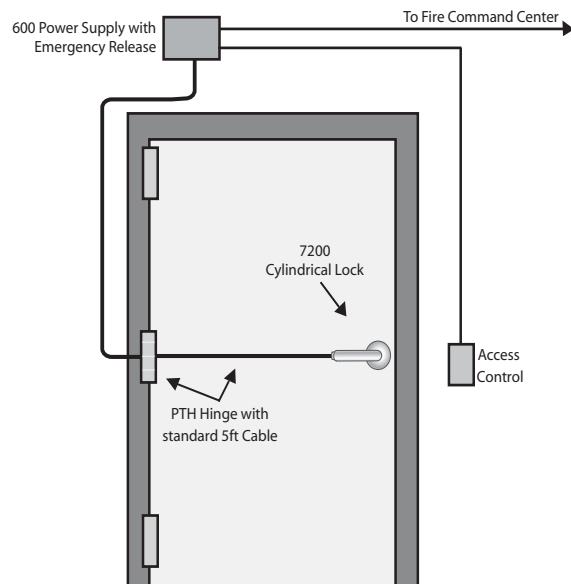
Mechanical Specifications

Latchbolt 0.5625" throw

Backset 2.75"

Strike 4.875" ANSI A115.2

Door Thickness 1.75" 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

Application

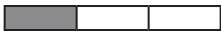
Installed in the center hinge position of the door, PTH Power Transfer Hinges provide the concealed wires required between the door and the frame, for the purpose of powering and monitoring electric door hardware.

Uses Include

- Electric Lock Power and Control
- Door and Lock Status Signaling
- Request-to-Exit Signaling

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*)

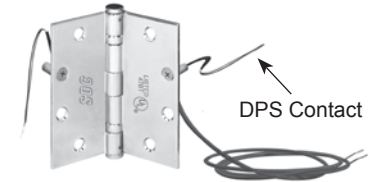
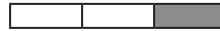
C 605 Bright Brass

H 613 Oil Rubbed Bronze

P 625 Bright Chrome

U 630 Dull Stainless Steel

Options



PTH hinge with door positions 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, 500 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

- Tested by ITS/ Warnock Hersey for field drilling of rated doors Installer may call for inspection of doors to be re-certified after drilling
- Allows for drilling from the hinge side without removing the door from the frame
- Will drill at 20 degrees from center, up or down, from the hinge to the lock prep on a 3-0 door
- Drills doors in 3 minutes
- Easy to use, no experience required
- Includes special 58 inch evacuator drill bit with custom tool room sharpened end
- High speed Delrin bushings ensure long tool life at high speed drilling with little or no noise. Your commercial customers will love the quiet operation in their offices



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