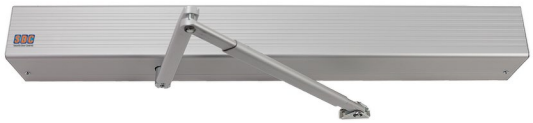
ADA CONTROLS

AUTO Series

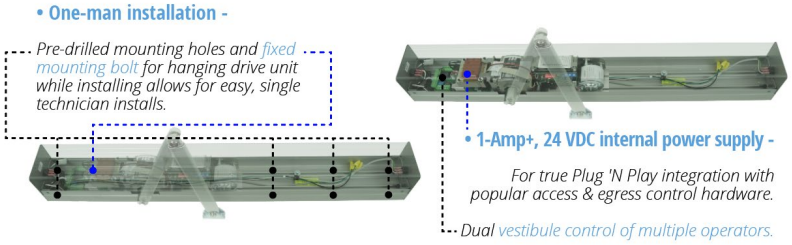
Low Energy Swing Door Operators



Automatic low-energy swing door operators are designed for applications requiring ADA compliance or user convenience.

SDC's Operator is built with a state-of-the-art microprocessor-based unit that is self-tuning and self-learning while offering non-handed operation, full-mechanical stops and a variety of interface options for sensors, push-plates, fire alarms and electrified locks.

SDC's operator is belt driven with a combination of gears and pulleys requires less torque, less power, absorbs more abuse, and is quieter than other automatic door openers while complying with all US and Canadian ADA requirements. On-board diagnostics simplifies troubleshooting for ease of installation and all SDC operators can be easliy configured for surface mounted push/pull applications. ANSI certified not required for initial installation.



MODELS

AUTOS Single Drive Unit, Single Door Operation

AUTOP Two Drive Units, Pair of Doors Operation

STANDARD FEATURES

- Single Button, Self-Tuning Setup
- Exremely Quiet Operation
- Momentary Back Pressure Relief
- Obstruction Detection
- Power Close Option
- Hold-Open Timer
- External Function Switches
- Built-in 1 Amp Power Supply
- On-board Lock Sequencing
- Preset Dip Switches for Alternative Functions
- Customizable Programming for System Design
- USB Port to Easily Upload Customized Programming
- Non-Handed
- Push or Pull Compatible
- Spindles Included
- High Traffic Use

OPTIONAL FEATURES

- Extended & Custom Housing Lengths

YEAR 3 WARRANTY

APPLICATIONS

LOW-ENERGY, HANDS-FREE COMPLIANCE

Security Door Controls is pleased to offer its latest product line designed to maximize public door accessibility for Americans with Disabilities Act (ADA) Title III applications. The Auto EntryControl™ Low Energy Swing Door Operator provides our newest and most convenient features to gain safe access for ADA applications.

ADA is a civil rights law that is intended to guarantee equality for those who are physically handicapped or disabled. There are four major sections of the bill and they are intended to prohibit discrimination in Employment, Public Service, Public Accommodations, and Telecommunications.

SDCs focus is on Title III (Public Accommodations). Title III is not a product specification or a building code, but a directive to ensure equality in accessibility within public buildings. Such things as door opening size, door opening force requirements, door closing time, degree of door opening, and door and lock handle designs must all be addressed to satisfy the ADA guidelines.





ADA "BLUE-PAINT" ACCESS

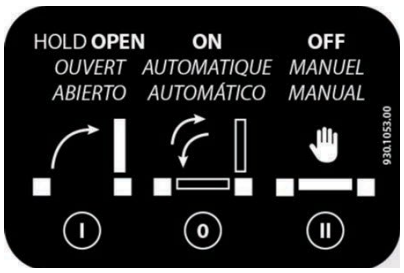
From the moment a physically disabled person enters the facility parking lot, they immediately begin looking for the ADA "blue-paint" and signage. All subsequent entry decisions are based on following the "blue-paint" pathways designed to provide access.

After parking, attention quickly turns to locating a barrier-free ramp leading to the entry way and door actuator. Although the SDC Auto EntryControl™ Low Energy Operator can be useful on a variety of locations, the ADA "blue-paint" clearly defines a need for assisted ingress/egress compliance in retail storefronts, office buildings, campuses and healthcare facilities.

MODE CONTROL SWITCH

A three function switch is provided for control of the powered function of the operator. "Day" mode will engage the operator for normal powered operation with activation by push plate, "Push and Go", or signal from other "knowing act" device. "Night" mode disables the operator for normal powered operation; however, the operator can be configured to receive activation signals from a secure activation device such as a card reader for secure activation, generally from one side. Switching to "Hold-Open" mode will power the operator opening the door, holding it open indefinitely.





APPLICATIONS

HANDING DETAILS

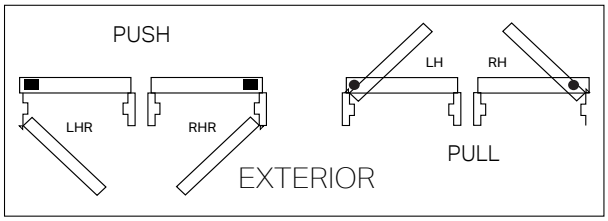
One operator works for any hand of door.

The hand depends on how the operator is mounted to the header. Determine the hand of the door to be automated and mount the operator as shown below.

The removeability of the motor assembly makes installation and mounting easy.



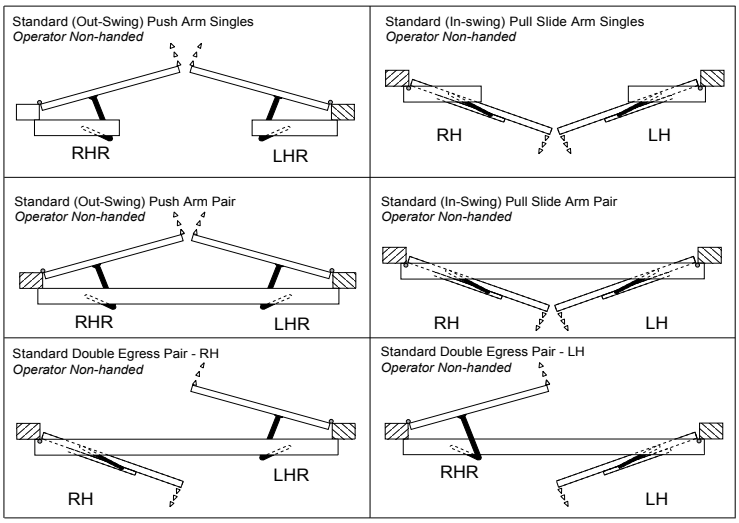
PUSH/PULL CONFIGURATION



■ = I/O board towards hinge

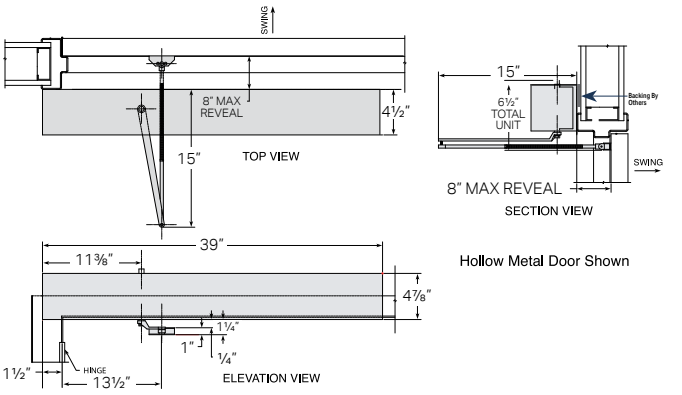
● = Motor towards hinge

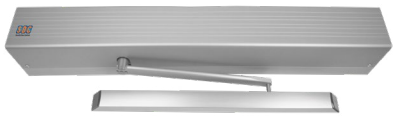
DOUBLE DOOR CONFIGURATION



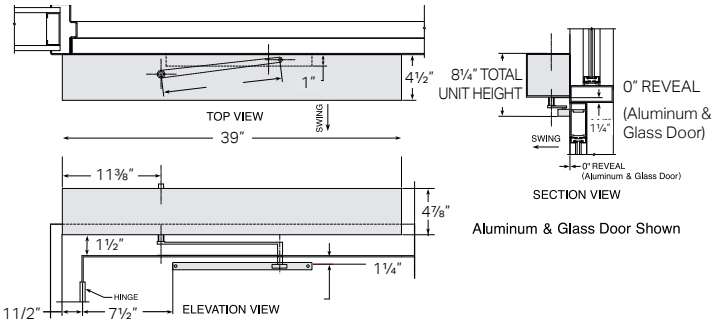


AUTO 1
Standard Arm - PUSH Side





AUTO 2
Track Arm - PULL Side



APPLICATIONS

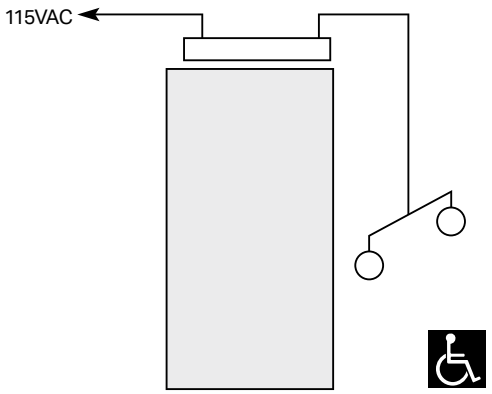
AUTO OPERATOR WITH PUSH–PULL

Operation:

- Free ingress & egress using low energy operator or bypassing the operator and using door manually
- Door operator acts as standard door closer when entering or exiting manually

Material:

- Auto EntryControl™ Low Energy Operator
- 2 Door Actuators or Push and Go
- Local Power



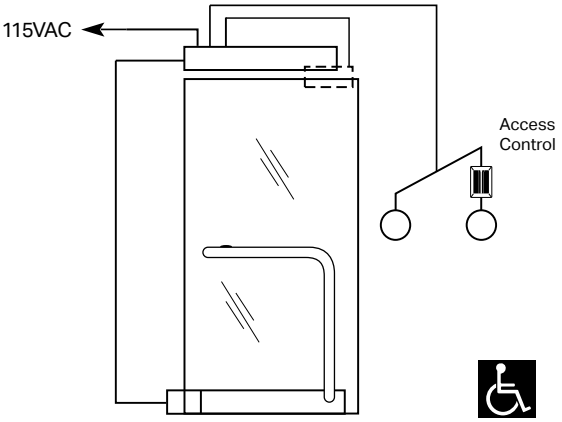
AUTO OPERATOR WITH CONCEALED SHEAR LOCK FOR GLASS DOORS

Operation:

- Free entry when security system is shunted or off
- Entry after hours by card reader, which unlocks & activates low energy operator
- Free egress at all times by touching push bar or using inside actuator, which de-energizes mag lock and activates low energy operator

Material:

- Auto EntryControl™ Low Energy Operator
- Electromagnetic Shear Lock
- Touch Bar Sensor PUSH–PULL set
- Access Control
- SDC Actuators





Electromagnetic Shear Lock
Concealed HiShear 1560 Series

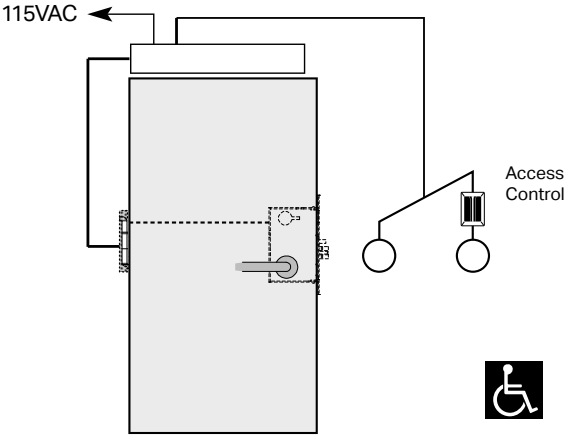
AUTO OPERATOR WITH ELECTRIC LATCH RETRACTION MORTISE LOCKSET

Operation:

- Free entry when security system is shunted or off
- Entry after hours by card reader, which unlocks & activates low energy operator
- Free egress at all times by turning mortise locklever or using inside actuator, which activates mortise latch retraction and activates low energy operator

Material:

- Auto EntryControl™ Low Energy Operator
- Electric Latch Retraction Mortise Lock
- Electrified Hinge
- Card Reader
- SDC Actuators





Electric Latch Retraction
Mortise Lock Z7600 Series

APPLICATIONS

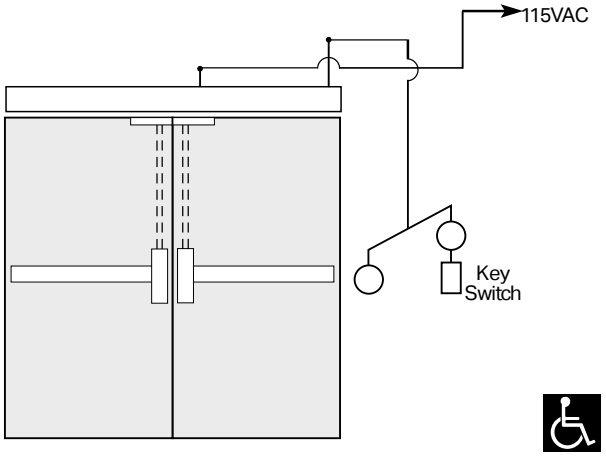
AUTO OPERATOR WITH ELECTRIC STRIKE

Operation:

- Doors are to be closed and latched (Example: Fire Doors)
- Key switch shunts exterior actuator (Example: After hours traffic control)
- When not shunted, actuators will signal electric strike power supply and activate auto operators
- From secure side, egress by manually pushing exit devices or using inside actuator to activate auto operators

Material:

- 2 Auto EntryControl™ Low Energy Operator
- 2 Vertical Rod Exit Devices
- Electric Strike - by other
- Key Switch
- 2 Actuators



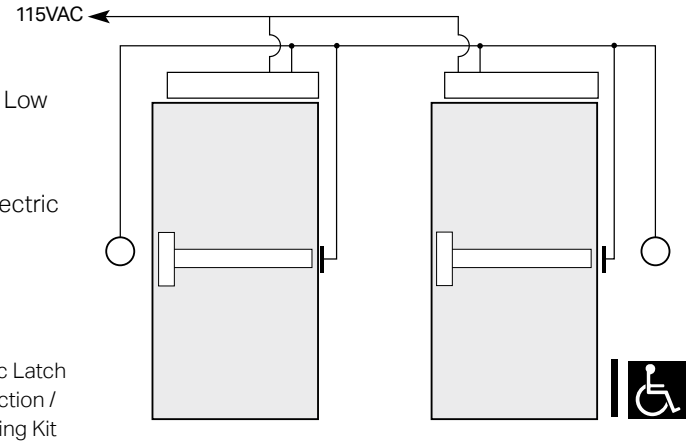
AUTO OPERATOR WITH ELECTRIC LATCH RETRACTION EXIT DEVICE

Operation:

- Doors are to be closed and latched at all times
- When activated, latch bolts are retracted and door(s) will automatically open
- Non-rated devices can be dogged for push/pull operation

Material:

- 2 Auto EntryControl™ Low Energy Operator
- 2 Electric Hinges
- 2 Exit Devices with Electric Latch Retraction
- 2 Actuators





Electrified Exit Device with Latch Retraction S6000E



Electric Latch Retraction / Dogging Kit LR100

SPECIFICATIONS

Low Energy Operators shall:

A. Provide door operator as recommended by manufacturer for door size, weight, and movement; for condition of exposure; and for long-term, maintenance-free operation under normal traffic load for type of occupancy indicated.

B. Operators: Self-contained units powered by a minimum fractional horsepower, permanent magnet, low voltage, DC motor.

1. Electro-mechanical Operator: Transmit power from operator to door through reduction gear train, splined spindle, door arm, and linkage assembly. Drive train shall have positive constant engagement.

a. Operator shall be non-handed. One operator type shall be used for in-swing, outswing, right hand or left hand. Handed operators shall not be acceptable.

b. Electro-Hydraulic operators, or operators requiring a manual door closer to pull the door closed following an automatic opening, shall not be acceptable.

c. Operator shall employ a field adjustable mechanical stop to limit door travel for the fully open or closed door position.

2. Operation: Power opening and spring closing.

3. Mounting: Surface applied

4. Features:

a. Adjustable opening, and closing speeds.

b. Adjustable hold-open time between 0 and 30 seconds.

c. Stop door on obstruction.

d. Push and Go operation

e. Fire Alarm input

f. Door Sequencing input

g. Door Interlock input

h. LED Status indication for all inputs

C. Closing Operation: The operator shall close the door by coiled spring energy employing the motor, as a dynamic brake to provide closing speed control. The closing spring shall be adjustable for positive closing action at a low material stress level for long spring life. Spring type shall be a clock style torsion spring. Linear type compressions springs shall not be acceptable.

D. Manual Use: The operator shall function as a manual door closer in the direction of swing with or without electrical power. The operator shall deliver an even, consistent open force across the entire transition from door fully closed to door fully open.

E. Electrical service to door operators shall be provided under Division 16 Electrical. Minimum service to be 120 VAC, 10 amps for doors with operators in pairs, 5 amps for single doors.

Power Supply	115VAC @ 60Hz (+6%, -10%)
Power Consumption	100W
Current consumption	1 Amp
Motor	24 VDC Permanent Magnet with Belt Driven Encoder
Header Dimension	4½" H x 4⅞" D
Fused Protection	3.5 Amp Fuse (F1 located on I/O Board)
Weight	22 lbs per Operator Assembly
Ambient Operating Temperature	-4 to 131°F
Ingress Protection	IP23 - protection from spray water up to 60° from the vertical - i.e. Rainstorm
Maximum Door Weight	PUSH Arm / PULL Arm 36" Door: 438 lbs / 342 lbs 42" Door: 328 lbs / 256 lbs 48" Door: 254 lbs / 198 lbs

Accessory / Lock Power Supply	24 VDC / 1 Amp +
Adjustable Timers	Hold Open Time, Opening & Closing Speed
Standard Selector Switch Function	• Automatic • Hold Open • Manual (Off)
Standard Control Outputs	• Electric Lock Control • 24 VDC Power Supply • Door Status (Fully Open & Fully Closed) • Alarm Signal
Standard Control Inputs	• Interior Activation • Exterior Activation • Emergency Shutdown • Fire Alarm Input • Safety Device Input
Maximum Degree of Opening	130°
Shipping Weight	32.2 lbs

CERTIFICATIONS

Meets ANSI A156.19 Power Assist And Low Energy Power Operated Doors

UL325 Door, Drapery, Gate, Louver, and Window Operators and Systems or Use on Fire and Smoke Check Doors

ADA Americans With Disabilities Act

FCC47CFR Part 15 Class B Emissions Requirements (USA)

NFPA101 Life Safety Code

UL10C Fire-Rated, 3hr

ETL Intertek Listed

HOW TO ORDER

FOLLOW STEPS 1-4 FOR ORDERING

SINGLE DOOR OPENINGS

1| SPECIFY MODEL

AUTOS Single Drive Unit, Single Door Operation

2| SPECIFY FUNCTION

1 Push Arm(s), 35mm Spindle(s)
2 Pull Arm(s), 20mm Spindle(s)
3 Arm Kit, (1) Push and (1) Pull Arm, 35mm and 20mm Spindles

3| SPECIFY LENGTH

36 36" Door Opening, 39" Housing Length
42 42" Door Opening, 45" Housing Length
48 48" Door Opening, 51" Housing Length
72 72" Door Opening, 75" Housing Length
84 84" Door Opening, 87" Housing Length
96 96" Door Opening, 99" Housing Length



Shown with optional Auto-IR

4| SPECIFY FINISH

V 628 Dull Aluminum
X 710 Dark Bronze

STEP NUMBER:	1	2	3	4
ORDERING EXAMPLE:	**AUTOS**	**1**	**36**	**V**

DOUBLE DOOR OPENINGS

1| SPECIFY MODEL

AUTOP Two Drive Units, Pair of Doors Operation

2| SPECIFY FUNCTION

1 Push Arm(s), 35mm Spindle(s)
2 Pull Arm(s), 20mm Spindle(s)
4 (1) Push and (1) Double Egress Arm, 80mm and 20mm Spindles

3| SPECIFY LENGTH

72 72" Door Opening, 75" Housing Length
84 84" Door Opening, 87" Housing Length
96 96" Door Opening, 99" Housing Length



Shown with optional Auto-IR

4| SPECIFY FINISH

V 628 Dull Aluminum
X 710 Dark Bronze

STEP NUMBER:	1	2	3	4
ORDERING EXAMPLE:	**AUTOP**	**4**	**72**	**V**

RELATED PRODUCTS

OPTIONAL ARM EXTENSION

AUTO-AEV Arm Extension for PUSH Arm for Reveal >8" (13" max), 628 Aluminum

AUTO-AEX Arm Extension for PUSH Arm for Reveal >8", 710 Dark Bronze

OPTIONAL SPINDLES

SP20 20 mm Spindle

SP35 35 mm Spindle

SP50 50 mm Spindle

SP80 80 mm Spindle

RELATED PRODUCTS

PRESENCE SENSOR AND DOOR RE-ACTIVATOR

Auto EntryControl's™ Auto-IR Accessory allows re-activation of door before contact is made during the closing cycle, protecting slow-moving people as well as people trailing behind. It realiably detects stationary as well as moving objects in the swing path of an automatic door. When using the Auto-IR, mounted on the application side of the door, the need for an extended hold open time is eliminated, allowing the door to begin the close cycle after the minimum 5 second hold open time has elapsed.

- Exceeds ANSI 156.19 standards by offering a contactless experience
- Proven active infrared technology (distance measurement sensor using the principle of triangulation)
- Guarantees smooth and safe operation of a door intended to be used by the elderly and disabled people. Sensor is only active following a knowing activation such as pressing a wall switch
- Following a door activation, the Auto-IR remains enabled to allow continued automatic non-contact re-activation capability should someone remain in the door opening while the door is open or while it is closing



AUTO-IR Presence Sensor and Door Activator
48", length field-adjustable

REMOTE KEY LOCK AND ROCKER SWITCHES

The AUTO Switches series offer cost-effective, remote automatic door operator controls. Fully compatible with all Auto EntryControl operators, they provide the same OFF-AUTO-HOLD OPEN functionality as the operator's build-in switch. All models include mounting hardware and termination wire leads. Key lock switch models are keyed alike and include 2 keys. Key is removable in all 3 positions.

- Rocker Switch: 20A @ 125VAC; 12A @ 250VAC
- Key Lock Switch:4A @ 28VDC; 4A @ 125 VAC; 2A @ 250VAC
- Narrow Faceplate: 4½" x 1¾" Stainless Steel, designed to mount in the aluminum jamb
- Single Gang Faceplate: 4⅝" x 2⅞" Stainless Steel, designed to mount on standard electrical box



AUTO-KS Single Gang key lock switch
AUTO-KSN Narrow key lock switch
AUTO-RKR Narrow rocker switch

HANDHELD PROGRAMMER MODULE FOR CUSTOM CONFIGURATION

Allows for custom configuration and adjustment of:

- All Inputs & Outputs
- The Opening/Closing Motion Settings (e.g., Speed, Strength, Backcheck)
- Most Timers (e.g., Push&Go Pause Time, Strike Relay Delay)
- Advanced Interlock/Sequencing Capabilities
- Diagnostic Information (e.g., Errors, Warnings, Cycle Count)



AUTO-PROG Handheld Progammer

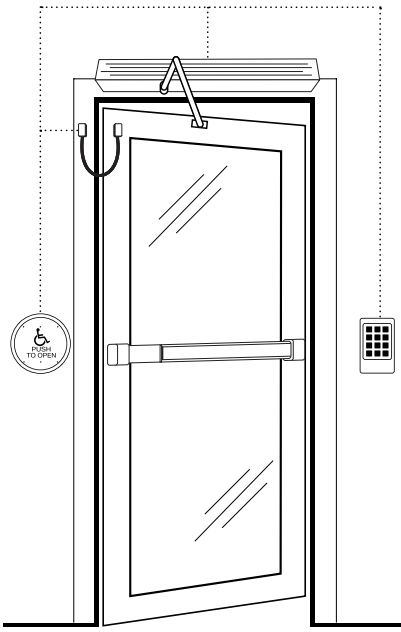
COMPONENT CONSIDERATIONS

PUSH PLATES & TOUCH PANELS



CLICK TO VIEW

SDC's Push Plates, Actuators & Touch Panels combined with SDC's operator, bollards and locking devices allow for complete access and egress solutions for ADA compliant applications. Included are round and square Push Plates, as well as wall mount and full size Touch Panels. All types can be wireless or hardwired, bollard or wall mounted.



POWER TRANSFER



CLICK TO VIEW

From frame to door, SDC's power transfer devices provide secure, concealed or vandal-resistant means to transfer power and monitoring signals to doors equipped with electric locks and devices. SDC offers a range of proven power transfer devices including concealed mortise devices, wired door transfer hinges, and wireless power transfer devices – all UL listed for 3hr Fire Rated Doors.

BOLLARD POSTS



CLICK TO VIEW

SDC'S line of Bollard Posts are a practical alternative to wall mounted access controls or switches for entry doors. They combine visibility with convenience to meet or exceed accessibility and building code requirements throughout North America. A choice of surface mount or in-ground installation models and a variety or Push Plate Switch and Touch panel options are offered. SDC's Bollard Posts are built with quality materials and attention to detail for durability in high traffic areas and harsh weather conditions.

EXIT DEVICES



CLICK TO VIEW

SDC's innovative Commercial, Storefront, and Architectural exit devices and Retrofit exit device Electric Latch Retraction kits provide safe and reliable security, fire and life safety, and ADA code compliance. All of our exit devices are also available with Electrified Options including ELR and REX capabilities as standard on selected models. With a variety of available Trim Options, Rim Mount, Surface Vertical Rod, and Concealed Vertical Rod device types, there's a SDC Panic & Fire exit device or Retrofit ELR kit for virtually any door opening application.

EXIT SWITCHES & SENSORS



CLICK TO VIEW

SDC offers a variety of exit button and push button styles and contact configurations to fit several request-to-exit application needs. Additionally, SDC's wave-to-open switches and motion sensors provide hands free compliance and convenience for touchless applications.

KEYPADS & READERS



CLICK TO VIEW

SDC has a variety of standalone digital keypad and proximity card access control systems equipment to meet virtually any need – many now available with industry standard Wiegand 26 bit data transfer to interface with most access control systems.

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