PoE SOLUTIONS
Power over Ethernet Capable Locking Hardware
The Future of Security

The world is wired. Internet cable is everywhere. Buildings are smart. Imagine the savings in cost and installation time not having long cable runs and power supplies for every door by simply tapping into the nearest Ethernet connection.

SDC’s low power line of PoE Capable Locking Hardware and Access Controls does just that by allowing easy integration and connection to an access control system using ordinary Ethernet cable in a PoE enabled network.

SDC’s PoE Solutions are the same robust, reliable and quality Electric Locks, Devices, and Access Controls we’ve been making for over 40 years. Now we’ve ensured they work in low power PoE environments where energy efficiency, flexibility and green and sustainable requirements reach all the way to electronic hardware and locks for controlling door openings.

Complementing our PoE solutions is our new IP Pro™ IP-based Access Control Series – to help bridge the gap between traditional locking hardware and IT networks. IP Pro™ is a Professional Grade Door Access Control Solution™ to control a single door – easy expandable - with everything needed for a complete, IP door access control system. (see page 9 for full description)

Now, there’s a simple way to install, expand and control door access control with PoE Solutions. Smart products designed for smart buildings and smarter people…now. Only from SDC.

Magnetic Locks

EMLock® 1500 Series

SDC’s patented EMLock® design represents the pinnacle of magnetic lock evolution. The modular EMLock® assembly makes them easy to stock, install, upgrade and maintain.

• Modular Design
• Modular Upgrade Kits
• Field Upgradable without removing from the frame
• Uniform Design & Installation
• Identical Housing, Template & Accessories
• Quick Mount Assembly

SDC IP-1500 series EMLocks® include a lifetime warranty and are available in 650lbs and 1200lbs holding force. Compatible with any access control system. All EmLocks® are adaptable to virtually any application utilizing Top Jamb or Glass Door mounting kits. The epoxy-less design provides a superior appearance with a plated or anodized finish on all sides. The interlocking EZ mount assembly leaves hands free for wiring and securing of mounting screws. EMLocks® are UL Listed and ANSI Grade 1 compliant.

IP-1571 Perimeter Security
1200 lb / 544 Kg Holding Force
3 Watts Energy Saver

IP-1571 Single EMLock®
Voltage: Voltage Sensing Input
Single: 250mA @ 12VDC;
11"L x 2-3/4"H x 1.562"D
(279.4 x 69.9 x 39.7 mm)
3 watts

IP-1581 Traffic Control
650 lb / 295 Kg Holding Force

IP-1581 Single EMLock®
Voltage: Voltage Sensing Input
Single: 440mA @ 12VDC;
8-3/4"L x 2-1/8"H x 1.25"D
(222.2 x 54 x 31.8 mm)
5.3 watts
Magnetic Locks

Excel™ Series

The Excel™ product line is designed for system integrators, distributors, installers and building owners presently using low cost import or private label brand access control hardware.

**IP-E1200**

Security Access Control & Mantraps
1200 lb / 545 kg holding force magnetic lock for perimeter and interior door security and access control. Door and lock status outputs included for remote monitoring, mantraps and system application needs.

500mA @ 12VDC - 6 watts

**IP-E600**

Traffic Control, Air-Locks & Communicating Bathrooms
600 lb / 272 kg holding force magnetic lock for interior door traffic control where physical attack is not a concern. Door and lock status outputs included for remote monitoring, mantraps and system application needs.

500mA @ 12VDC - 6 watts

**IP-E300**

Cabinets, Display Cases
300 lb / 136 kg holding force magnetic lock for cabinets and display cases. Lock status output included for remote monitoring and system application needs.

360mA @ 12VDC - 4.3 watts

**IP-E6200 Magnetic Lock**

Security Access Control, & Mantraps, Indoor/Outdoor
1200 lb / 545 kg holding force magnetic lock for exterior, perimeter and interior door security and access control. Magnetic bond sensor and door status outputs are included for remote monitoring, mantraps and system application needs.

250mA @ 12VDC - 3 watts

**IP-350 Narrow Line Magnetic Door Lock**

The Security Door Controls IP-350 Narrow Line Series EmLock provides 1200 lbs holding force for reliable failsafe access control of perimeter and interior doors that meets both building high security needs and fire life safety code requirements. The 350 series is specifically designed for high profile openings that require less obtrusive surface mount lock with architecturally superior appearance. LED Indicator, Magnetic Bond and Door Status outputs and Anodized Aluminum finish standard

560mA @ 12VDC - 6.7 watts

**IP-MSB550 Mechanical Switch Bar**

Non-Latching Push Bar for
- Magnetic Lock Release
- Delayed Egress Trigger
- Access Control Request-to-Exit
- Alarm Shunt
- CCTV or Alarm Activation
**Key Switches/Exit Switches**

**IP-474U Touchless Exit Switch**

The SDC 474U uses IR Sensor technology; the device is active with the simple wave of a hand. Designed to control electric locks/strikes, magnetic locks, or automatic door openers. It is ideal for use in sanitary applications, such as cleanrooms, bathrooms, food processing, hospitals and labs, and features a sensing range of up to 4” (10cm). The Switch is mounted on a durable stainless steel plate, with dual LED illuminated sensors indicating the status. The quick connect screwless terminal block ensures easy installation.

Idle: 25mA - 0.3 watts,  
Active: 55mA - 0.65 watts @12VDC

**IP-463U Piezoelectric Exit Switch w/Timer**

The SDC 463U is a heavy duty vandal resistant exit switch designed for indoor, outdoor, commercial and industrial egress applications. Constructed of stainless steel and utilizing piezoelectric technology, the SDC 463U exit switch is ideal for harsh or high traffic conditions. The weather and vandal resistant design ensures superior performance in virtually any environment.  
Idle: 60mA - 0.7 watts,  
Active: 120mA - 1.4 watts @12VDC

**PIR Egress Sensor**

The IP-MD31D PIR request-to-exit sensor unlocks doors automatically when persons approaching door are detected. The MD31D complies with national fire and building code requirements for Access Controlled Egress Doors listed above. Code compliant failsafe mode releases locks when power to PIR sensor is interrupted.  
26mA @12VDC - 0.3 watts

**IP-410 & IP-420 Series**

The illuminated switch button is two inches square for easy activation and is visually conspicuous. The high impact resistant material stands up to abuse. The “PUSH to EXIT” sign complies with NFPA requirements. The 422A is designed for access and egress applications for the disabled.  
1 Gang:  
2” Illuminated Button, Stainless Steel  
Narrow: 1¾” x 1” Illuminated Button, Stainless Steel  
LED 20mA @ 12VDC - 0.24 watts

**IP-491 Emergency Break Glass Station**

The SDC IP-491 Emergency Door Release Break Glass Station provides immediate unlocking of perimeter doors or interior doors that are equipped with fail-safe electric locks. The 491’s built-in alarm may be used as a local door annunciator.

The SDC 491 is specifically designed for emergency door release and may influence the approval of an electric locking system. This type of Emergency Door Release may be preferred over a pull station since greater commitment is required to break the glass.  
Siren 18mA @ 12VDC - 0.2 watts

**IP-492 Emergency Pull Station**

The SDC IP-492 Emergency Door Release Pull Station provides immediate unlocking of perimeter doors or interior doors that are equipped with fail-safe electric locks. The 492’s built-in alarm may be used as a local door annunciator.

The SDC 492 is specifically designed for emergency door release and may influence the approval of an electric locking system.  
Siren 18mA @ 12VDC - 0.2 watts
**Quiet DUO™ ELR Kit**

The SDC LR100 Electric Latch Retraction Kit for Von Duprin (and other major manufacturers) enables electric access control and dogging of mechanical exit devices. When energized the motor retracts the exit device latch and pulls the pushpad into the dogged (depressed) position enabling momentary or sustained push and pull operation of the door.

The latch retraction mechanism may be activated by an access control, remote control device or building automation system. The exit device always provides uninhibited egress.

650 mA Inrush - 7.8 watts, 200 mA Continuous @ 12VDC - 2.4 watts

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<tr>
<th>Field Kit</th>
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<td>Von Duprin</td>
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<tr>
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<td>IP-100HK</td>
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<tr>
<td>SDC</td>
<td>IP-100SDCK</td>
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<td>Sargent</td>
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<td>IP-100CRK</td>
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<td>Adams Rite</td>
<td>IP-100ARK</td>
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<tr>
<td>Falcon IR</td>
<td>IP-100FRK</td>
</tr>
</tbody>
</table>

* RIM device only

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**Electric Trim**

- Compliments SDC Exit Devices
- Failsecure, field reversible to failsafe
- Audible tone
- 4 ft. cable and connectors

600mA @ 12VDC - 7.2 watts

<table>
<thead>
<tr>
<th>Model</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP-EKE03</td>
<td>Eclipse, less cylinder Optional LED shown</td>
</tr>
<tr>
<td>IP-GKE</td>
<td>Galaxy less cylinder Optional LED shown</td>
</tr>
</tbody>
</table>

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**Exit Alarm**

- Door sign included
- Bar sign optional

**Rim Mount, Vertical Rod & Mortise**

- EMERGENCY EXIT - ALARM WILL SOUND

**IP-B** Exit Alarm, 12VDC input, 9V battery backup
For 6100, 6200, 6300, 6800 Example: S6801P-LR-U-36-A

- 100 dB alarm; visual and audible On/Off status
- Remote status output
- 15 or 60 second arming delay 2 modes: Continuous alarm with manual key reset; Automatic re-arm 2 minutes after door closes with any manual key reset before 2 minutes.

**Options**

- Push pad sign
- 6, 10 & 20 minutes alarm; 1 or 5 second re-arm delay
- Remote access control, arm, disarm inputs
- REX and latch status outputs

20mA @ 12VDC - 0.24 watts
**Electric Strikes**

### Universal 45 Series
**Multi-Frame-Application Electric Strike**
- Centerline Electric Strike
- 4 Interchangeable Application Faceplates
- Full Monitoring is Standard, Including:
  - Latched and Unlatched Status
  - Keeper Closed and Deadlocked or Unlocked
  - Keeper Open Status Optional
- Reversible Failsafe/Failsecure, no disassembly
- 1/4” Horizontal Alignment Adjustment
- Plated Architectural Finishes Available

200mA @ 12VDC - 2.4 watts

### 25 Series Electric Strike
The SDC 25 Series Electric Strike is a Centerline Latch Entry® strike designed for use with cylindrical locksets with up to 5/8” (15mm) throw latches. The compact low profile design with an internally mounted solenoid and factory supplied mounting tabs enable quick and easy installation where jamb space is limited. The heavy duty construction makes the 25 Series ideal for high traffic installations.

Not for wood applications.

300mA @ 12VDC - 3.6 watts

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**Power Transfer Accessories**

### Universal 45 Series
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Not for wood applications.

300mA @ 12VDC - 3.6 watts
Electra™ Pro IP-Z7200 Series

Electra™ Pro 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

Operating Voltage: 12VDC
Activation Power (Peak): 440mA - 5.3 watts
Holding Power (Continuous): 260mA - 3.1 watts

HiTower® IP-Z7500

Frame Actuator Controlled Locksets
Hardwire Control with no Electric Hinge and no Wires in the Door.

SDC HiTower® locksets comply with all national and regional building codes for locking interior office, elevator lobby, exit and stairwell fire rated doors, where the use of electric strikes and magnetic locks is prohibited. HiTower® locksets also provide higher security and superior aesthetics compared to exposed and vulnerable electric strikes and magnetic locks, while eliminating the need for request-to-exit devices. While providing controlled access and remote control capability the door stays latched even when unlocked, maintaining fire door integrity.

900mA @ 12VDC - 10.8 watts

Selectric® IP-Z7800

- For new construction or replacement of major brand mechanical locksets
- Field selectable mode
- Field selectable handing and functions based on individual lock brand capabilities
- Key latch retraction

600mA @ 12VDC - 7.2 watts

Cabinet Locks

IP-290 Micro Cabinet Lock

The IP-290 Micro Cabinet Lock is designed to electronically secure cabinets and drawers. The need for keys is eliminated and the addition of a keypad or remote control of your choice provides true access control and convenience of use.

- Pharmaceutical cabinets and drawers
- Retail display cases and drawers
- Gun cabinets
- File cabinets
- Utility cabinets and drawers
- Museum display cases

250mA @ 12VDC - 3 watts

IP-E300 Micro Cabinet Lock

SDC’s IP-E300 Micro Cabinet Lock is a compact specialized electromagnetic lock that produces 300lbs. of holding force. Versatile mounting capability with Interlocking Quick Mount Assembly. Aluminum housing is standard.

360mA @ 12VDC - 4.3 watts
Electric Bolt Locks

IP-FS23M Dual Failsafe Spacesaver® Bolt Lock

**Dual Failsafe Spacesaver®**

- CSFM Listed for locking of perimeter entry and emergency exit doors after business hours
- Tested to 1 Million Cycles
- Fully concealed and easily installed in 1.75” (4.44cm) frame or door stile

900mA @ 12VDC - 10.8 watts

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Annunciators

IP-EA100 Exit Annunciator™ Bar

The SDC Exit Annunciator™ is a highly visible multi-color signal device, that interfaces with Delayed Egress or standard EMLocks and can be used as a wall, ceiling, or frame mount indicator.

**Dimensions:** 8-3/4” x 1-1/2” x 3/4”

**Electrical:** 12 VDC @ 80mA (0.85 watts) max power; Long life LED output

Typical Applications:

- Airport - Alarmed Exit
- Laboratory - Clean Room
- Nurse Care - Wandering Patient
- Retail - Alarmed Exit

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IP-1091A Spacesaver® Bolt Lock

**Fully concealed and easily installed in 1.75” (4.44cm) frame or door stile**

The Spacesaver®, first designed and patented by SDC, is a fundamental innovation in electric locking technology for access control applications. The stainless steel bolt projects at right angles to the lock mechanism, allowing installation of Spacesaver® locks, by means of a simple cutout, in virtually any standard 1.75” frame, or in most door lock stiles. With the entire lock concealed, esthetic acceptability is complete, security is greater and installation in old or new construction is fast, easy and economical.

900mA @ 12VDC - 10.8 watts
IP Pro Series
IP-based Access Control

Designed for ease of use, the IP Pro embedded software allows for real-time monitoring and user management via a web browser.

- Controls one door directly, with expansion capabilities
- TCP/IP communications (100/10Mbps)
- DHCP or Static IP addresses
- Password protected built-in web server (No separate software to install)
- Live transaction monitoring
- Entry & exit reader capability
- Supports industry standard proximity, smart card, and multi-technology readers (Wiegand output)
- Reader short circuit protection
- Compliant with PoE+ standard
- 15,000 users (up to 2 credentials per user)
- Batch card enrollment
- 250 User groups/Time Zones/Door Groups
- Holiday support
- Scheduled Events
- Temporary Users
- Audit Trail – Up to 5,000 events may be exported as a .csv file
- Status LED’s – Power, Communications, & Fault on-board diagnostic indicators
- Anti-tailing
- Anti-passback (global or localized)
- Supported browsers: Microsoft Internet Explorer 8 & 9, Firefox 8.0, Google Chrome
- Multiple credential modes: Card only, PIN only, Pin or Card, Pin & Card
- Door Status Monitoring Input
- Request-to-Exit (REX) Input
- Programmable Auxiliary Input
- Lock Relay Output
- Auxiliary Relay Output
- (2) Programmable Solid-state Outputs
- Tamper Input
- Database backup support

250mA @ 12VDC for Controller - 3 watts
120mA @ 12VDC for Door Station - 1.4 watts

IPDCE  IP Pro Controller board plus enclosure
IPDC   IP Pro Controller board only
IPDSE IP Pro Door Station Expansion board plus enclosure
IPDS  IP Pro Door Station Expansion board only
IPI-30 IP Pro Injector 30W PoE+
IPS-12 IP Pro Splitter 12VDC PoE+
IPPRO-SKE  IP Pro Starter Kit, including Controller board, Splitter and Injector components plus Controller enclosure
IPPRO-SK  IP Pro Starter Kit, including Controller board, Splitter, Injector
26 Bit Wiegand Readers

**Keypad**

**IP-918W**
- Indoor
- Single Gang
- Thick S.S. faceplate 3/32” (2mm)
- 3 x 4-3/4 x 1-1/2” (1/4” wall projection)
- 30mA @ 12VDC - 0.35 watts typical

**IPRW**
- Indoor/Outdoor
- Surface Mount
- For Use with HID ProxCard or ProxKey Fob
- 1-1/2 x 4-3/4 x 5/8”
- 40mA @ 12VDC - 0.48 watts

**Proximity Reader**

**IP-920PW**
- Indoor/Outdoor
- Surface Mount
- Heavy Cast Vandal Resistant Housing
- For Use with HID ProxCard or ProxKey Fob
- 3 x 5-3/4 x 1-7/16”
- 30mA @ 12VDC - 0.35 watts typical

**IP-923PW**
- Indoor/Outdoor
- Surface Mount
- Heavy Cast Vandal Resistant Housing
- For Use with HID ProxCard or ProxKey Fob
- 1-3/4 x 7-3/8 x 1-7/16”
- 30mA @ 12VDC - 0.35 watts typical

**Proximity Keypads**

**Power (Watts) = V (Volts) x I (Current in Amps)**

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1. **Locking Device**
   - Electric Strike
   - Delayed Egress Lock
   - Electric Bolt Lock
   - Electrified Lockset
   - Exit Device
   - Frame Actuator Lockset
   - Magnetic Lock

2. **Access Control**
   - Standalone or Network
   - Keyswitch
   - Digital Keypad
   - Card Reader
   - Entry Check™ 500P
   - Entry Check™ 920P
   - 7000 Keyswitch

3. **Egress Device**
   - Sure Exit® PSB380
   - Exit Sensor Bar
   - Emergency Door Release

4. **Egress Control**
   - Exit Switch
   - PIR Egress Sensor
   - Exit Sense Bar
   - Emergency Door Release

5. **Power Transfer Devices**
   Required With Locksets & Exit Devices
   - Electric Power Hinge
   - Power Transfer Loop
   - Concealed Power Transfer

6. **Annunciator**

7. **IP Control**
   - IP Pro Controller
   - With Enclosure
   - IP Pro Splitter
   - IP Pro Injector

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**SDC APP**

- **Document Library**
  - PDF Datasheets, 3-Part Specs, Instructions, Templates & Cad

- **System Library**
  - Cross Brand Compatible Riser & Point-To-Point System Wiring

- **Social Links**
  - Latest News thru LinkedIn, Facebook, Twitter & Youtube

- **Mobile Resource**
  - 20 Product Categories
  - Video Library
  - For Sales Calls, Onsite Installation, Dealers, Specifiers, & Engineers
  - Access Control Equipment
  - Electric & Mechanical Locking Devices

- **Video Library**
  - Video Demos for Sales, Installations, Product & System Application

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**Security Door Controls**

www.SDCsecurity.com
Reduce Time-In-Transit & Shipping Costs: The ShipQUICK inventory is available from two regional warehouses.

MODIFICATIONS

ELECTRIFIED LOCKS
Modified by SDC

SDC • Schlage • Best • Sargent • many more

SYSTEM DESIGN

RETROFIT

APPLICATION SPECIALIST

OEM

PRIVATE LABEL

Providing Quality Service To The Industry
For Over 40 Years