Auto EntryControl™
Low Energy Swing Door Operator

ADA Compliant Solution

The Lock Behind Your System
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.
FEATURES

Access Controls: The Auto EntryControl™ Low Energy Operator offers true Plug N Play Access Control System Installation. It features an internal, 1.0 Amp+ Accessory/Lock Power Supply to allow for integration with electric latch retraction exit devices, electric strikes, and other electric locking system without adding an extra power supply. A time delay function is also built into the control system eliminating the need for supplemental relays or controls. See Typical Systems Applications on pages 11 and 12.

Activation: The Auto EntryControl™ Low Energy Operator can be activated with the press of a switch. Virtually any form of “knowing act” can be used to initiate the operator making integration with existing systems easier. For the full line of activation devices that SDC offers see page 14-19.

Push and Go Option: With the flip of a switch, the Auto EntryControl™ Low Energy Operator can be configured to activate and open based on a slight movement of the door. Utilizing this option eliminates the need for supplemental activation devices but does not preclude their use.

Hold-Open Timer: Upon receipt of an activation signal, the operator will power open the door from the closed position. The door may be held in the open position up to 30 seconds (compliance with ANSI/BHMA A156.19 requires the door to remain in the open position for a 5 second minimum). Additionally, a “hold-open” switch is provided to hold the door open for extended periods.

External Function Switches: The Auto EntryControl™ Low Energy Operator is equipped with external function switches providing basic controls.

- **Illuminated Power Switch:** Illuminated to be visible at night, the switch controls power to the operator motor. The Auto EntryControl™ Low Energy Operator functions as a manual closer with power off.

- **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.
Obstruction Detection: During the opening cycle an obstruction function effectively reduces the possibility of personal injury in accordance with A156.19. Additionally this feature prevents damage to door and/or surrounding structures. After a stall time-out, the door will close.

Power-Close Option: This switched feature can be used to control exterior openings that require additional closing force to resist interior stack pressures and wind conditions that do not allow the door to close properly. Use this feature to reduce heating and cooling loss and save energy and money.

Momentary Pull: The momentary pull on activation of the operator before opening is to relieve pressure for latching hardware. It is part of the core functionality and cannot be altered. Installers and end-users appreciate the benefits of this feature!

Single Button, Self Tuning: The automatic setup button allows for easy setup.

Easy, One-man Installation: The motor assembly is removable and makes the back plate installation easy. It is achieved through the custom designed mounting plate, which allows the motor-logic assembly to be detached from the mounting plate. The back plate is pre-drilled with mounting holes and includes a fixed mounting bolt for hanging the motor-logic assembly once the mounting plate is secured to the door header. The motor-logic assembly can now be easily secured to the mounting plate, providing for single technician installs without requiring any additional help.
# SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>115VAC @ 60Hz (+6%, -10%)</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>100W</td>
</tr>
<tr>
<td>Current consumption</td>
<td>1A</td>
</tr>
<tr>
<td>Motor</td>
<td>24 VDC Permanent Magnet with Belt Driven Encoder</td>
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<tr>
<td>Header Dimension</td>
<td>4 1/2”H x 4 7/8”D</td>
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<tr>
<td>Fused Protection</td>
<td>3.5A Fuse (F1 located on I/O Board)</td>
</tr>
<tr>
<td>Weight</td>
<td>22 lbs per Operator Assembly</td>
</tr>
<tr>
<td>Ambient Operating Temperature</td>
<td>-4 to 131°F</td>
</tr>
<tr>
<td>Ingress Protection</td>
<td>IP23 - protection from spray water up to 60° from the vertical - i.e. Rainstorm</td>
</tr>
<tr>
<td>Maximum Door Weight</td>
<td><strong>PUSH Arm</strong>: 36” Door: 438 lbs, 42” Door: 328 lbs, 48” Door: 254 lbs <strong>PULL Arm</strong>: 342 lbs, 256 lbs, 198 lbs</td>
</tr>
<tr>
<td>24 VDC Accessory / Lock Power Supply</td>
<td>24 VDC / 1 Amp +</td>
</tr>
<tr>
<td>Adjustable Timers</td>
<td>Hold Open Time, Opening &amp; Closing Speed</td>
</tr>
<tr>
<td>Standard Selector Switch Function</td>
<td>• Automatic</td>
</tr>
<tr>
<td></td>
<td>• Hold Open</td>
</tr>
<tr>
<td></td>
<td>• Manual (Off)</td>
</tr>
<tr>
<td>Standard Control Outputs</td>
<td>• Electric Lock Control</td>
</tr>
<tr>
<td></td>
<td>• 24 VDC Power Supply</td>
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<td></td>
<td>• Door Status (Fully Open &amp; Fully Closed)</td>
</tr>
<tr>
<td></td>
<td>• Alarm Signal</td>
</tr>
<tr>
<td>Standard Control Inputs</td>
<td>• Interior Activation</td>
</tr>
<tr>
<td></td>
<td>• Exterior Activation</td>
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<tr>
<td></td>
<td>• Emergency Shutdown</td>
</tr>
<tr>
<td></td>
<td>• Fire Alarm Input</td>
</tr>
<tr>
<td></td>
<td>• Safety Device Input</td>
</tr>
<tr>
<td>Maximum Degree of Opening</td>
<td>130°</td>
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<tr>
<td>Shipping Weight</td>
<td>32.2 lbs</td>
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</table>

# CERTIFICATIONS

- ANSI/BHMA A156.19 certified Standard For Power Assist And Low Energy Power Operated Doors
- UL 325 Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems or use on fire and smoke check doors
- Meets ADA – Americans With Disabilities Act
- In compliance with FCC 47 CFR Part 15 Class B emissions requirements (USA)
- ETL Intertek Listed

# WARRANTY

Three years from the date of invoice

# PACKAGE INCLUDES

- Auto EntryOperator™ Low Energy Operator (Non-handed)
- Standard Arm (PUSH side) or Track Arm (PULL side) or both
- Spindle (PUSH 35 mm, PULL 20 mm)
- Technical manual
- Signs
FEATURES

- ADA Compliant
- Complies with ANSI A156.19
- UL - Certified for use as fire door operators (3 hour rating)
- Self-Tuning, Self-Learning
- Minimum 5 seconds from close to open
- Stays open for 5 seconds minimum

- High Traffic Use
- Push or Pull (In swing, Out swing)
- Activation: Knowing Act
- Optional Safety Device
- Input Power: 1A, 100W
- Non-Handed
- Extremely Quiet Operation

DOUBLE DOOR CONFIGURATION

- Standard (Out-Swing) Push Arm Singles
  Operator Non-handed
- Standard (In-swing) Pull Slide Arm Singles
  Operator Non-handed
- Standard (Out-Swing) Push Arm Pair
  Operator Non-handed
- Standard (In-Swing) Pull Slide Arm Pair
  Operator Non-handed
- Standard Double Egress Pair - RH
  Operator Non-handed
- Standard Double Egress Pair - LH
  Operator Non-handed
HOW TO ORDER SINGLE MODEL

1| SPECIFY MODEL

**AUTO1** PULL Operator - includes 35 mm spindle, one motor assembly, PULL arm
**AUTO2** PULL Operator - includes 20 mm spindle, one motor assembly, PULL arm
**AUTO3** PULL & PULL Arms with 20 mm + 35 mm Spindles, one motor assembly

2| SPECIFY DOOR OPENING WIDTH

36 for 36” Door Opening
42 for 42” Door Opening
48 for 48” Door Opening

3| SPECIFY FINISH

V 628 Aluminum (standard)
X 710 Dark Anodized Aluminum

4| 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”, Dark Bronze

5| OPTIONAL SPINDLES

<table>
<thead>
<tr>
<th>SP20</th>
<th>20 mm Spindle</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP35</td>
<td>35 mm Spindle</td>
</tr>
<tr>
<td>SP50</td>
<td>50 mm Spindle</td>
</tr>
<tr>
<td>SP80</td>
<td>80 mm Spindle</td>
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</table>

HOW TO ORDER DOUBLE MODEL (SEE NEXT PAGE)
HOW TO ORDER DOUBLE MODEL (SPECIAL ORDER ONLY)

1 | SPECIFY MODEL
AUTO1  PUSH-PUSH Operator - includes 35 mm spindles, 2 motor assemblies, 2 PUSH arms
AUTO2  PULL-PULL Operator - includes 20 mm spindles, 2 motor assemblies, 2 PULL arms
AUTO3  DUAL EGRESS Operator with 20 mm + 80 mm Spindles, 2 motor assemblies, 1 DUAL EGRESS, 1 PULL arm

2 | SPECIFY DOOR OPENING WIDTH
72   for 72” Door Opening
84   for 84” Door Opening
96   for 96” Door Opening

DOUBLE HOUSING WIDTH - W = 75” / 87” / 99”

3 | SPECIFY FINISH
V    628 Aluminum (standard)
X    710 Dark Anodized Aluminum

4 | 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”, Dark Bronze

5 | OPTIONAL SPINDLES
SP20  20 mm Spindle
SP35  35 mm Spindle
SP50  50 mm Spindle
SP80  80 mm Spindle
**Auto-IR**
Presence Sensor and Door Re-Activator

**FEATURES**
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 reliably 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

**MODELS**
AUTO-IR Presence Sensor and Door Activator 48”, length field-adjustable

**Auto-Switches**
Remote Key Lock and Rocker Switches

**FEATURES**
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 built-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: 4-1/2” x 1-3/4” Stainless Steel, designed to mount in the aluminum jamb
- Single gang faceplate: 4-5/8” x 2-7/8” Stainless Steel, designed to mount on standard electrical box

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

**Auto-PROG**
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)

**MODELS**
AUTO-PROG Handheld Programmer Module

**Auto-AE**
PUSH Arm Extention for Reveals Greater Than 8 Inches (13” max)

**MODELS**
AUTO-AEV Arm Extension for PUSH arm - Aluminum
AUTO-AEX Arm Extension for PUSH arm - Dark Bronze

**SP**
Spindle for Auto EntryControl™ arm

**MODELS**
SP20 20 mm Spindle
SP35 35 mm Spindle
SP50 50 mm Spindle
SP80 80 mm Spindle

**ADA COMPLIANT ACCESSORIES**
(KNOWING ACT) SEE PAGES 18-24
Low Energy Swing Door Operator

LOW-ENERGY, HANDS-FREE
CONVENIENCE &
ADA COMPLIANCE

Besides having the best warranty and lowest price of any competitive low-energy door operator in the industry, the AutoEntryControl™ Swinging Door Operator has all the features you’d expect from full power systems without the installation headaches and maintenance commitments.

- Extremely Quiet Operation
- Night mode control option
- Single-person, low-cost install
- No maintenance contract required
- One-button, hassle-free setup
- Three Year Warranty

<table>
<thead>
<tr>
<th>Sr. Swing 9500</th>
<th>$4,322</th>
<th>AO-19</th>
<th>Benchmark 9100</th>
<th>AE</th>
<th>5900</th>
<th>6000</th>
<th>ED900</th>
<th>Auto 1/2</th>
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<tbody>
<tr>
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<td></td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
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<tr>
<td>Non-handed</td>
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<tr>
<td>Push or Pull Same Unit</td>
<td>✔️</td>
<td>✔️</td>
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<tr>
<td>Momentary Closing Force Prior to Unlocking</td>
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<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
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<tr>
<td>Built in Delay to Retract Strike or Mag Lock</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
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<tr>
<td>Three Year Warranty</td>
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<td>✔️</td>
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<td>$4,226</td>
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<td>$5,179</td>
<td>$3,846</td>
<td>$5,112</td>
<td>$5,089</td>
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</table>

*Mechanical Only
The state-of-the-art microprocessor-based unit 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.

**Perfect for healthcare facilities, retail storefronts, office buildings, & campuses.**

<table>
<thead>
<tr>
<th>Low-Power Door Operator</th>
<th>LCN.</th>
<th>HAG</th>
<th>DEPEX</th>
<th>LCN.</th>
<th>LCN.</th>
<th>Norton</th>
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<th>SDC</th>
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<td>List Price</td>
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<td>$4,226</td>
<td>$3,400</td>
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<td>$5,179</td>
<td>$3,646</td>
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<tr>
<td>Three Year Warranty</td>
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<tr>
<td>Push or Pull Same Unit</td>
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<tr>
<td>One-button Setup</td>
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<td>Strike or Mag Lock</td>
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<td>(36° opening)</td>
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<td>Up to 48° Single Door Openings</td>
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<tr>
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<tr>
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<td>UL Fire Rated for 3 hr doors</td>
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<td>Obstruction Stop</td>
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<td>Microprocessor Control</td>
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<td>Programmable Controls</td>
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<td>Built in Interface for Header Mounted Presence Sensor</td>
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OPEN THE DOOR TO CONVENIENCE & ADA COMPLIANCE

1-Amp+, 100W internal power supply for true Plug ‘N Play integration

- Add electric access & egress control components without adding a power supply:
  - Electric Latch Retraction Exit Devices
  - Electric Strikes
  - Other Electrified Locking Systems
- Extremely quiet operation
- One-man, low-cost installation
- One-button, hassle-free setup
- Dual vestibule control of multiple operators
- No maintenance contract required

Perfect for healthcare facilities, retail storefronts, office buildings, & campuses.

<table>
<thead>
<tr>
<th>Low-Power Door Operator COMPARISON II</th>
<th>SDC</th>
<th>Ditec HA8-LP</th>
<th>Ditec HA8-SP</th>
<th>AUTO EntryControl</th>
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</thead>
<tbody>
<tr>
<td>Requires less than 100 Watts Total Power @ 115vac V x A</td>
<td>✔️</td>
<td>✔️</td>
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<td>1A+ Electric Lock Power for strike, maglock, latch retraction</td>
<td>24VDC, 0.5A (maglock &amp; strike only)</td>
<td>24VDC, 0.5A (maglock &amp; strike only)</td>
<td>24VDC, 0.25A (strike only)</td>
<td>24VDC, 0.25A (strike only)</td>
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<td>425 lbs. + Max. Door Weight (36” push arm opening)</td>
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<td>Cycle testing - 1.3M</td>
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<td>Three year Warranty</td>
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<td>Motor rating (hp)</td>
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<td>List Price (up to 48” opening)</td>
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<td>$2,779</td>
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<td>Comparison II</td>
<td>Housing dimensions (h x w)</td>
<td>Adjustable Opening &amp; Closing Speeds</td>
<td>Up to 48&quot; Single Door Openings</td>
<td>Non-handed</td>
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<tr>
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<tr>
<td>6100</td>
<td>4.5&quot;x5&quot;</td>
<td>Yes, through programming</td>
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<tr>
<td>8100</td>
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<td>Ditec HA8-LP</td>
<td>4.125&quot; x 5.125&quot;</td>
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<td>Ditec HA8-SP</td>
<td>6.5&quot;x 4.5&quot;</td>
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<td>AUTO EntryControl</td>
<td>6.5&quot;x 4.5&quot;</td>
<td>Yes, via potentiometer &amp; programming</td>
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<tr>
<th>housing dimensions (h x w)</th>
<th>Adjustable Opening &amp; Closing Speeds</th>
<th>Up to 48&quot; Single Door Openings</th>
<th>Non-handed</th>
<th>Push or Pull same drive unit</th>
<th>High Traffic Use</th>
<th>Complies w/ ANSI 156.19</th>
<th>ADA Compliant</th>
<th>UL Fire Rated for 3 hr doors</th>
<th>Surface Applied</th>
<th>Full Length Header Available</th>
<th>Mechanical Stops</th>
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<table>
<thead>
<tr>
<th>Push n Go Operation</th>
<th>Auto-Reverse on obstruction</th>
<th>Obstruction Stop</th>
<th>Microprocessor Control</th>
<th>Programmable Controls</th>
<th>Built in delay to retract strike or mag lock</th>
<th>Built in Interface for door mounted presence sensor</th>
<th>One-button calibration setup</th>
<th>Stack pressure relief prior to Unlocking</th>
<th>Diagnostic evaluation</th>
<th>Electric Lock Power for strike, maglock, latch retraction</th>
<th>Spring Tension adjustment</th>
<th>Smoke Open function</th>
<th>Pre-drilled holes</th>
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<tr>
<td>Yes, through programing</td>
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<td>24VDC, 1A+</td>
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STANDARD APPLICATION

Auto 1
Standard Arm - PUSH Side

Auto 2
Track Arm - PULL Side
TYPICAL SYSTEM APPLICATION
(SINGLE OPERATOR)

Auto EntryControl™ Low Energy Operator with PUSH–PULL

Operation: 115VAC
- 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 EntryControl™ Low Energy Operator with Concealed Mag Lock for Glass Door Applications

Operation: 115VAC
- 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
- Electrified Pivot
- Touch Bar Sensor PUSH–PULL set
- Access Control
- SDC Actuators

Auto EntryControl™ Low Energy Operator with Electric Latch Retraction Mortise Lock

Operation: 115VAC
- 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
- Electric Latch Retraction Mortise Lock
- Electrified Pivot
- Touch Bar Sensor PUSH–PULL set
- Card Reader
- SDC Actuators
Auto EntryControl™ Low Energy Operator with Electric Strike

Operation: 115VAC
- 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
- Key Switch
- 2 Actuators

Auto EntryControl™ Low Energy Operator with Latch Retraction

Operation: 115VAC
- 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
- 1 Power Supply
- 2 Electric Hinges
- 2 Exit Devices with Electric Latch Retraction
- 2 Actuators
ARCHITECTURAL 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 or overhead concealed.

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.

HANDLING 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 & short back-plate assembly using the 5 bolts provided.

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

- On-Off-Hold Switch on outside of housing
Dual Switch Bollard Post
High-Low CBC compliant Bollard with Switch Plates Combo

Alternative to wall mounted access control or switches for entry doors. Bollard post provide visibility and meet accessibility guidelines. Practical solution for surface mount and California Building Code compliance.

**FEATURES**
- CBC 2016 Section 11B 404.3 code compliant bollard and switch plates
- Black HDPE mortised removable cap with secure transmitter mount (wireless transmitter optional and sold separate)
- Two 4-1/2” ‘Push to Open’ blue infill push plates, located at 7” and 36” centerline from floor
- 6” square post with 1/8” walls
- Surface mount (42”)

**MODELS**
- CBC482A4U 42” surface mount, 6” square post, with high and low 4-1/2” SPDT switch plates
- CBC484A4U 42” surface mount, 6” square post, with high and low 4-1/2” DPDT switch plates

---

480 Series CBC Push Plate Kit
CA High-Low compliant Wireless Push Plate Switch Kit

Designed to control automatic door or electrified locking hardware with wireless Push Plate Switch access. Each Kit contains four 4-1/2” Push Plate Switches (square, 480 series,) four matching surface mount back boxes (square, 480 series,) four wireless transmitters (400W1-433, 9V Batteries included) and one wireless nano receiver (400RC433).

**FEATURES**
- Pressing Any Part of the Push Plates 4 ½" Active Area Causes Switch Actuation
- Surface Box Mount
- Transmitter: Pre-Wired for Quick Installation
- Transmitter Antenna Magnifies Signal
- Receiver Designed to Control Automatic Closing and Anti-Burglar Systems

**MODELS**
- 482S-CBCKIT Wireless Push Plate Switch Kit - SQUARE Switches

Complies with: ANSI A156.19-2002; ADAAG 4.30; ADA 1990
Bollard Post
For Push Plate Or Touch Panel Applications

FEATURES
- For use with Push Plates, Touch Panel Columns & Exit Switches (sold separately)
- 6” square with 1/8” walls
- Black HDPE mortised removable cap with secure transmitter mount (wireless transmitter optional and sold separately)
- Standard single gang prep located at 36” from finished floor
- Surface mount (42”) or In-Ground mount (54”)

MODELS
BPS6  42” surface mount, 6” square post
BPG6  54” in-ground, 6” square post

APPLICATION
- Alternative to wall mounted access control or switches for entry doors.
- Bollard post provide visibility and meet accessibility guidelines.
- Practical solution for surface mount or in-ground installation.

HOW TO ORDER
1| SPECIFY MODEL
BPS6  42” surface mount, 6” square post
BPG6  54” in-ground, 6” square post

2| SPECIFY PREP
S  1-gang prep
D  2-gang prep
P  Touch Panel prep
A  Narrow Mullion Prep

3| SPECIFY FINISH
V  628 Aluminum (standard)
X  710 Dark Anodized Aluminum

4| SPECIFY PUSH PLATE OR TOUCH PANEL (SOLD SEPARATELY)
482O4U  Push Plate Switch 4-1/2 square, Push to Open, Black Infill, SPDT
482A4U  Push Plate Switch 4-1/2 square, Push to Open, Blue Infill, SPDT
484O4U  Push Plate Switch 4-1/2 square, Push to Open, Black Infill, DPDT
484A4U  Push Plate Switch 4-1/2 square, Push to Open, Blue Infill, DPDT
482AA36  Touchpanel 36”, Push to Open, Blue Infill, SPDT
484AA36  Touchpanel 36”, Push to Open, Blue Infill, DPDT

5| SPECIFY WIRELESS TRANSMITTER (OPTIONAL, SOLD SEPARATELY)
400W1-433  433MHz Micro Transmitter
400RC433  433MHz One Channel Receiver

PRODUCT SKU SAMPLE: BPG6 D V 484A4U 400W1-433 400RC433

= can be used with wireless transmitter and receiver
Complies with: ANSI A156.19-2002; ADAAG 4.30; ADA 1990
1-11/16” Narrow Mullion Push Plate Switch
Recessed, Surface Box or Bollard Mount

**MODELS**
- 48201U  Push to Open, black infill, SPDT
- 482A1U  Push to Open, blue infill, SPDT
- 48401U  Push to Open, black infill, DPDT
- 484A1U  Push to Open, blue infill, DPDT

**FEATURES**
- Designed to flush-mount directly into narrow jamb
- Requires narrow mullion prep

**ACCESSORIES**
- 400-1B  Narrow Mullion Surface Box, 1-3/4” x 4-9/16” x 1-3/4” H

4” Square Vestibule Push Plate Switches
Recessed, Surface Box or Bollard Mount

**MODELS**
- 482A4VWPU  Push to Open, L / R Arrow, blue infill, Vestibule Split Buttons, SPDT
- 484A4VWU  Push to Open, L / R Arrow, blue infill, Vestibule Split Buttons, SPDT
- 484A4VPU  Push to Open, L / R Arrow, black infill, Vestibule Split Buttons, SPDT
- 482A4VWPB  Push to Open, L / R Arrow, white infill on blue back, Vestibule Split Buttons, SPDT

**FEATURES**
- Pressing any part of the push plates 4” split active area causes switch actuation
- 1 Gang recessed or Surface Box Mount
- Depth: SPDT ¾” deep

**ACCESSORIES**
- 480-4FB  Square Flush Recessed box, 1-gang, 6 3/4” x 6 3/4” x 1 7/8” O.D.
- 480-4SBB  Surface mount box, 4-1/2” x 4-1/2” x 1 3/4” O.D. with Battery compartment for wireless
- 480-4SB  Surface mount box, 4-1/2” x 4-1/2” x 1 7/8” O.D.
- 480-4SE  3-sided stainless shroud for exterior applications, 4-11/16” x 4-7/8” x 1/2”

2¾” x 4½” Single (1) Gang Push Plate Switch
Surface Box or Bollard Mount

**MODELS**
- 482O2U  Push to Open, black infill, SPDT
- 482A2U  Push to Open, blue infill, SPDT
- 484O2U  Push to Open, black infill, DPDT
- 484A2U  Push to Open, blue infill, DPDT

**FEATURES**
- Pressing any part of the push plate (2 ¾” x 4 ½”) causes switch actuation
- Surface Box or Bollard Mount
- Depth: SPDT - ¾” deep; DPDT - 1 ½” deep

**ACCESSORIES**
- 480-2SB  Surface mount box 2 3/4” x 4 1/2” x 1 5/8” H

= can be used with wireless transmitter and receiver

Complies with: ANSI A156.19-2002; ADAAG 4.30; ADA 1990
4 ½” x 4 ½” Square Push Plate Switches
Recessed, Surface Box or Bollard Mount

- **FEATURES**
  - Pressing any part of the push plates 4 ½” x 4 ½” active area causes switch actuation
  - 1 Gang or 2 gang recessed or Surface Box Mount
  - Depth: SPDT ½” deep; DPDT 1 ½” deep

- **MODELS**
  - 482O4U  Push to Open, black infill, SPDT
  - 482A4U  Push to Open, blue infill, SPDT
  - 484O4U  Push to Open, black infill, DPDT
  - 484A4U  Push to Open, blue infill, DPDT

- **ACCESSORIES**
  - Pushing any part of the push plates 6” x 6” active area causes switch actuation
  - 1 Gang or 2 gang recessed or Surface Box Mount

6” x 6” Square Push Plate Switches
Recessed, Surface Box or Bollard Mount

- **FEATURES**
  - Pressing any part of the push plates 6” x 6” active area causes switch actuation
  - 1 Gang or 2 gang recessed or Surface Box Mount
  - Depth: SPDT ½” deep; DPDT 1 ½” deep

- **MODELS**
  - 482O6U  Push to Open, black infill, SPDT
  - 482A6U  Push to Open, blue infill, SPDT
  - 484O6U  Push to Open, black infill, DPDT
  - 484A6U  Push to Open, blue infill, DPDT

- **ACCESSORIES**
  - Pushing any part of the push plates 6” x 6” active area causes switch actuation
  - 1 Gang or 2 gang recessed or Surface Box Mount

Complies with: ANSI A156.19-2002; ADAAG 4.30; ADA 1990

ACCESS & EGRESS SOLUTIONS - THE LOCK BEHIND THE SYSTEM
WWW.SDCSECURITY.COM  ■ SECURITY DOOR CONTROLS
4 ½” Round Push Plate Switches
Recessed, Surface Box or Bollard Mount

**ACCESSORIES**
- 480-4RSB Surface box, 5” Dia., 2 1/8” H
- 480-4RG 4” round gasket
- 480-4RFB Recessed Mount Box, 5 7/8” overall diameter with trim ring
- 480-4RRB Surface Escutcheon, 7 7/8” Dia., 1 9/16” overall height

**FEATURES**
- Pressing any part of the push plates 4” ½ active area causes switch actuation
- 1 Gang or 2 gang recessed or Surface Box Mount
- Depth: SPDT ½” deep; DPDT 1 ½” deep

**MODELS**
- 482O4RU Push to Open, black infill, SPDT
- 482A4RU Push to Open, blue infill, SPDT
- 484O4RU Push to Open, black infill, DPDT
- 484A4RU Push to Open, blue infill, DPDT

6” Round Push Plate Switches
Recessed, Surface Box or Bollard Mount

**ACCESSORIES**
- 480-6RSB Surface box Round, 6 7/16” Dia., 2 1/8” H
- 480-6RG 6” round gasket
- 480-6RFB Recessed Flush Escutcheon, 7 3/4” overall diameter with trim ring
- 482A6RPH Push to Open, white infill on blue back, HDPE, SPDT

**FEATURES**
- Pressing any part of the push plates 6” active area causes switch actuation
- 1 Gang or 2 gang recessed or Surface Box Mount
- Depth: SPDT ½” deep; DPDT 1 ½” deep

**MODELS**
- 482O6RU Push to Open, black infill, SPDT
- 482A6RU Push to Open, blue infill, SPDT
- 484O6RU Push to Open, black infill, DPDT
- 484A6RU Push to Open, blue infill, DPDT

Complies with: ANSI A156.19-2002; ADAAG 4.30; ADA 1990

= can be used with wireless transmitter and receiver
Ingress-R.E.X Touch Panel Column
Surface or Bollard Mount

FEATURES
• 9” x 6” Ingress-R.E.X Touch Panel Column
• Fully Active 22-1/2 Sq. Inch Actuation Area

MODELS
482AA9  Push to Open, blue infill, SPDT

SPECIFICATIONS
<table>
<thead>
<tr>
<th>Centerline Mounting Height</th>
<th>Recommended 34” to 48”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>Sturdy 1/8” extrusion with architectural finish</td>
</tr>
<tr>
<td>Finish</td>
<td>V 628 Aluminum (standard)</td>
</tr>
<tr>
<td></td>
<td>X 710 Dark Anodized Aluminum, white infill</td>
</tr>
<tr>
<td>Overall Size</td>
<td>9” H x 6” W x 1-1/2” D</td>
</tr>
<tr>
<td>Active Area</td>
<td>9” H x 2-1/2” W</td>
</tr>
</tbody>
</table>

FEATURES
• 36” x 6” Ingress-R.E.X Touch Panel Column Fully Active 90 Sq. Inch Actuation Area
• Recommended mounting height is 3” from floor

MODELS
482AA36  Push to Open, blue infill, SPDT
484AA36  Push to Open, blue infill, DPDT

SPECIFICATIONS
<table>
<thead>
<tr>
<th>Material</th>
<th>Sturdy 1/8” extrusion with architectural finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Finish</td>
<td>V 628 Aluminum (standard)</td>
</tr>
<tr>
<td></td>
<td>X 710 Dark Anodized Aluminum, white infill</td>
</tr>
<tr>
<td>Overall Size</td>
<td>36” H x 6” W x 1-1/2” D</td>
</tr>
<tr>
<td>Active Area</td>
<td>36” H x 2-1/2” W</td>
</tr>
</tbody>
</table>

474U Touchless Exit Switch
Indoor, Flush-Mount

FEATURES
The 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”. 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.

MODELS
474U  Touchless Indoor Wave-to-Exit Switch, 2 SPDT

= can be used with wireless transmitter and receiver
**Wireless Transmitter & Receiver**
for Wireless ADA Applications

For Remote Control Versatility for Touch Panel Column and Push Plate Switches.
75 foot wireless range (less barriers).

### 433MHz Micro Transmitter

**FEATURES**
- Requires a non-metallic surface box or standard bollard cap (non-metallic)
- Pre-Wired for quick installation
- Antenna magnifies signal
- Works with 400RC433

**MODELS**
- **400W1-433**: 433MHz Micro Transmitter

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage Input</td>
<td>9V Battery (included)</td>
</tr>
<tr>
<td>Trigger Input</td>
<td>Momentary, N.O.Dry Contact</td>
</tr>
<tr>
<td>Temperature</td>
<td>-20F — 100F</td>
</tr>
<tr>
<td>Dimensions</td>
<td>1-9/64&quot; x 15/16&quot; x 7/32&quot;</td>
</tr>
</tbody>
</table>

### 433MHz 1 Channel Nano Receiver

Designed to control automatic door or electrified locking hardware with code-hopping technology for increased security.

**FEATURES**
- Works with 400W1-433

**MODELS**
- **400RC433**: 433MHz 1 Channel Receiver

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carrier Frequency</td>
<td>433.92 MHz</td>
</tr>
<tr>
<td>Relay Numbers</td>
<td>1</td>
</tr>
<tr>
<td>Temperature</td>
<td>-4F — 158F</td>
</tr>
<tr>
<td>Contacts</td>
<td>C-NO</td>
</tr>
<tr>
<td>Power Supply</td>
<td>12/24 VAC/DC</td>
</tr>
<tr>
<td>Dimensions</td>
<td>1-1/4&quot; x 2&quot; x 3/4&quot; Deep</td>
</tr>
</tbody>
</table>

### Wireless Push Plate Switch Kit

Designed to control automatic door or electrified locking hardware with wireless Push Plate Switch access. Each Kit contains two 4-1/2" Push Plate Switches (round or square, 480 series,) two matching surface mount back boxes (round or square, 480 series,) two wireless transmitters (400W1-433, 9V Batteries included) and one wireless nano receiver (400RC433).

**FEATURES**
- Pressing Any Part of the Push Plates 4 ½" Active Area Causes Switch Actuation
- Surface Box Mount
- Transmitter: Pre-Wired for Quick Installation
- Transmitter Antenna Magnifies Signal
- Receiver Designed to Control Automatic Closing and Anti-Burglar Systems

**MODELS**
- **482S-KIT**: Wireless Push Plate Switch Kit - SQUARE Switches
- **482R-KIT**: Wireless Push Plate Switch Kit - ROUND Switches