

AUTOM Series

Compact Low Energy Swing Door Operators



The **SDC AutoMINI™** low-energy swing door operator delivers the same advanced performance and features of the standard AUTO series in a **compact 23" housing**, engineered specifically to **simplify installation and improve field efficiency**.

Built on SDC's proven AUTO platform, the AutoMINI incorporates **installer-focused enhancements** such as **slotted mounting keyholes** and a **fully reversible housing design**. These features reduce installation time, simplify on-site work, and optimize storage and handling efficiency in trucks and warehouses.

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 which 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. Onboard diagnostics simplifies troubleshooting for ease of installation and all SDC operators can be easily configured for surface mounted push/pull applications. ANSI certified not required for initial installation.

Every operator should be ordered with an AUTO-IR presence sensor to mitigate liability. See related products.



MODELS

AUTOM One Drive Unit, Single Door Operation



STANDARD FEATURES

- Compact 23" housing
- Same performance as full AUTO series
- Slotted mounting keyholes for faster installation
- Fully field reversible housing (Push ↔ Pull)
- No drive unit reconfiguration required
- Smaller footprint for improved storage and handling efficiency
- Single button, self-tuning setup
- Extremely quiet operation
- Momentary back pressure relief
- Obstruction detection
- Power close option
- Hold-open timer
- External function switches
- Built-in 1 amp+ power supply*
- Onboard 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

* Onboard power supply will accommodate 1.5amp inrush for all SDC latch retraction products.



APPLICATIONS

- ADA access points
- Retail storefronts
- Healthcare facilities
- Office buildings
- Education campuses
- Retrofit automation upgrades

ENHANCED INSTALLATION ADVANTAGES

- Flip housing to convert push/pull applications — no internal reconfiguration required
- Slotted mounting keyholes enable faster mounting and adjustment
- Reduced installation time and labor
- Simplified field configuration
- Ideal for retrofit and service work

FIELD EFFICIENCY

- Compact size allows truck stock capability
- Perfect for:
 - Service teams
 - Quick-turn installs
 - Emergency replacements

STOCKING INVENTORY OPTIMIZED

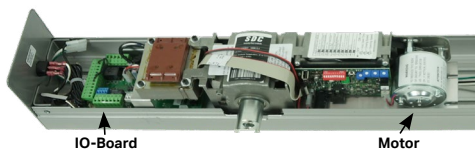
- Smaller footprint for improved storage and handling efficiency
- Small pallet, higher quantities, more inventory

AutoMINI is not just smaller—it's engineered to install faster, adapt instantly, and perform like full-size AUTO.

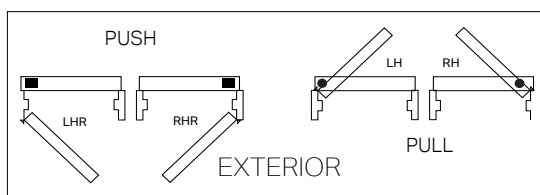
HANDING DETAILS

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.



PUSH/PULL CONFIGURATION

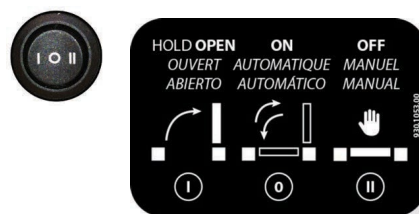


■ = I/O board towards hinge

● = Motor towards hinge

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.





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 compression 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	4 1/2" H x 4 7/8" D	
Fused Protection	3.5 Amp Fuse (F1 located on I/O board)	
Weight	22lbs 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 and 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 and 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	29 lbs

* Onboard power supply will accommodate 1.5 amp inrush for all SDC latch retraction products..

CERTIFICATIONS

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

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

ETL Intertek Tested to UL/cUL Standards for Automatic Doors Used on Fire and Smoke Barrier Doors and CSA C22.2 No. 247-92 for Operators and Systems of 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 FOR ORDERING

 Designates optional step

1| SPECIFY MODEL

AUTOM One Drive Unit, Single Door Operation, 23" Housing Length

2| SPECIFY FUNCTION

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

3| SPECIFY FINISH

- V** 628 Dull Aluminum  *Standard*
- Y** 335 Dull Black

STEP NUMBER:	1	2	3
ORDERING EXAMPLE:	AUTOM	1	V

RELATED PRODUCTS

REPLACEMENT ARMS



AUTO1V35 Replacement Push Arm, 628

AUTO1Y35 Replacement Push Arm, 335

AUTO2V Replacement Pull Arm, 628

AUTO2Y Replacement Pull Arm, 335

OPTIONAL ARM EXTENSION

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

AUTO-AEY Arm Extension for PUSH Arm Reveal >8" (13" max), 335

SPINDLES



SP20 20mm Spindle

SP35 35mm Spindle

SP50 50mm Spindle

SP80 80mm Spindle

AUTO-IR PRESENCE SENSORS

The AUTO-IR accessory mitigates liability through 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.

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RELATED PRODUCTS

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 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: 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 Programmer