CATALOG

NORTON RIXSON

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OPERATORS

CONTROL FOR ANY APPLICATION







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⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

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INTRODUCTION

The Norton Rixson portfolio of low energy door operators offers a broad range of functions for all ranges of low- to high-use openings, to serve the specific needs of virtually any swing door application. These functions, combined with robust construction and testing, and additional user safety features ensure facilities comply with strict codes while reaping the benefits of a long-term life of reliable operation.

To deliver the highest quality of product, Norton Rixson designs, assembles, tests and ships out all door operators from its state-of-the-art manufacturing facility in Monroe, North Carolina.

Electrohydraulic

- Electrohydraulic low energy operators incorporate a door closer for smooth reliable door control
- These units are used in applications where doors are typically operated manually, but can also be activated via wall switches, motion sensors, etc. for automatic operation

Electromechanical

- Electromechanical low energy operators feature a motor and gearbox for consistent automatic operation
- These units are used in applications where automatic mode (activated by wall switches, motion sensors, etc.) is the primary function

NROS™ (Norton Rixson Operating System) is an integrated wireless hot spot, providing a seamless and secure wireless connection. Designed for simplicity and security, NROS ensures effortless operation with an easy setup, simple adjustments, and straightforward configuration. Whether you're setting up or making changes, the system is intuitive to use. Available on the 6000, 6300, 6200, 5200 and 4500 Series operators.

Benefits

- Seamless, secure wireless connection
- Easy to install- only 1-person needed
- Easy to adjust- connect to the Operator WiFi signal
- Setup & future adjustments can be done via phone or laptop

Safety/Security

- Password protected – secure connection to Operator when installing/adjusting
- No app, building WiFi, local internet or cell phone service needed
- Connection drops both by inactive time and distance from operator

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6000 SERIES
LOW ENERGY POWER OPERATORS

INTRODUCTION

The 6000 Series low energy operator is a heavy-duty unit designed for rigorous, high-use applications. Built-in intelligence enables the operator to safeguard users while providing better door control. Simple installation, setup, and adjustment, allows for seamless integration with a multitude of facilities and systems.



FEATURES

- Push or pull side mounting
- Non-handed
- Modular design for one person install
- LCD screen
- Full cover option on double/pair of doors
- 1.3A onboard power supply
- Activated by wall switch, hands-free, and RF devices
- Door width: 36"-48"
- Maximum door weight: 250 lbs
- Operates as a mechanical surface closer when power is off
- On board electronics collect usage and cycle count data to facilitate preventative maintenance/diagnostics
- NROS™ integrated wireless hot spot
- NorGlide® fluid
- 2 year limited warranty



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FUNCTIONS

Adjustable Hold Open
- – Amount of time a door will stay in the full open position after an activation

Blow open for smoke ventilation
- – Door opens when signal is received from alarm system allowing air or smoke to flow through opening.
- – Door will stay open until signal from alarm system is stopped

Infinite Hold Open
- – Door will hold open at set position until power is turned off

Obstruction Detection
- – Open: door closes if it hits an obstruction while opening
- – Close: door reopens (once) if it hits an obstruction while closing. If it hits the obstruction again, the door will rest against the obstruction until it is removed

Open Delay
- – Delays operator opening for locking hardware

Overload Safety Shut-Off
- – After 3 minutes of receiving a door activation signal, inverter times out and door closes
- – Prevents motor/inverter damage

Presence Detector Input
- – Input for external sensor to detect presence at door open or close position only

Push & Go
- – As the door is manually opened, the operator "senses" movement and opens door to the full-open position

Selector mode switch
- – Off - Disables signal inputs unless Blow Open is activated
- – On - Activates signal inputs
- – Hold Open - Activates the unit (unless blow closed is activated on 6300) to the hold open position

Two Selectable Output relay
- – Multi-function relay outputs

Vestibule Delay
- – When the wall switch is pressed, first door in vestibule will open. Second door will open once vestibule door delay has expired. Delay is adjustable.

ELECTRICAL DATA

- Power input 120 VAC, 60 Hz (+10%, -15%)
- Current draw 0.9A (single), 1.8A (double)
- Auxiliary output 24 VDC @ 1.3A
- SPDT relay output for controlling electric strikes or electric locks not to exceed 1 amp @ 30 VDC

CERTIFICATIONS

- ANSI/BHMA A156.19 certified BHMA CERTIFIED
- ETL tested to UL-cUL standards for automatic doors used on fire and smoke barrier doors and CSA C22.2 No. 247 for operators and systems of doors
- UL10C positive pressure push (3-hour), pull (90 min)
- Comply with requirements for the Americans with Disabilities Act (A.D.A)
- California State Fire Marshall Listing 3266-0944:0110
- Manufactured in an ISO 9001 and ISO 14001 facility
- Verified by Green Circle to offer the following energy savings as compared to similar products:
  - – 19% efficiency
- Health product declaration and UL certified environmental product declaration

PATENTS

- www.assaabloydss.com/patents

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ARCHITECTURAL SPECIFICATIONS

General Specifications

- Door Controls (interior)(exterior) swinging door(s) shall be of rack and pinion design contained within a precision cast aluminum housing.
- Door closing force shall be adjustable to ensure adequate closing control.
- Door closing speed shall be controlled by independent hydraulic adjustment valves in the sweep and latch range of the closing cycle.
- Door Operator shall provide conventional door closer opening and closing forces unless the power operator motor is activated.
- Door Operator opening force and speed shall be adjustable in the inverter/interface module's LCD screen to ensure adequate opening control per accessibility codes.
- Door Operator shall have an adjustable hydraulic back-check valve to cushion the door speed if opened violently.
- Door Operator shall utilize the inverter/interface module's LCD screen and joystick to establish door closed and open positions. [(Door Operator shall be AUTOMATICALLY ACTIVATED by either a slight push or pull in the direction of opening swing – Push & Go.) (Door Operator shall be SELECTIVELY ACTIVATED by external initiating device, i.e. wall switch, etc.) (Door Operator shall be both AUTOMATICALLY ACTIVATED and SELECTIVELY ACTIVATED.)]
- Unit shall include “E-saver” feature to automatically recognize abled body traffic and immediately trigger door to close after sensing no forces on door.
- Unit shall have delay for motor activation, electric lock interfacing, and hold open time. Units shall have SPDT relay for interfacing latch retraction exit devices or similar products and have 24VDC @ 1.3A output for connection of electric strike, lock, radio frequency receiver, etc.
- Units shall have Vestibule sequencing input for operation of two or more units.
- Unit shall have smoke ventilation inputs to power open doors when activated by fire or smoke alarm.
- Unit shall have a three-position Selector Mode Switch that will permit the unit to be switched “ON” to monitor for function inputs, switched to “H/O” for indefinite hold open function or switched “OFF” which will disable function inputs allowing unit to be used as a manual door closer.
- Unit shall be ETL tested to UL standards for automatic closing door.
- The Unit shall be adjustable to provide compliance with the requirements of the Americans With Disabilities Act (ADA). Unit shall be certified by BHMA to meet ANSI A117.1 and A156.19 requirements.
- Unit shall meet UL10C, UL-cUL and UL10B standards.

ADDITIONAL SPECIFICATIONS FOR FUNCTIONS

For Power Operator Function:

- When activated, the unit shall, by means of a motor, chain and closer, power open the door at both a speed and force that are adjustable to accessibility codes.
- The door shall be powered from a door closed position to a full door open position and remain in momentary hold open for 5 seconds minimum (adjustable 0 to 30 seconds in 1 second increments).
- [(Unit shall power open door to full open position up to 110°.) (Unit shall be capable of opening door manually from 110° – 180°.)]
- Once unit reaches full hold open position, if reinitiated, unit’s momentary hold open time shall restart from the maximum set time. If unit is initiated during the closing cycle, unit shall revert to opening cycle beginning at that door position.
- Unit shall have a toggled hold open input that upon first initiation will power door to a maintained hold open position; a second initiation will allow door to close.
- Unit shall have obstruction detection on closing, which will reverse the closing door to the full open position then re-attempt to close door after momentary hold open time has elapsed.
- Obstruction detection on opening shall shut motor off, allowing door to close under spring force. These obstruction detection features shall be integral to unit. During closing cycle, the unit shall close door under full spring power not to exceed a closing force of 15 lbf.

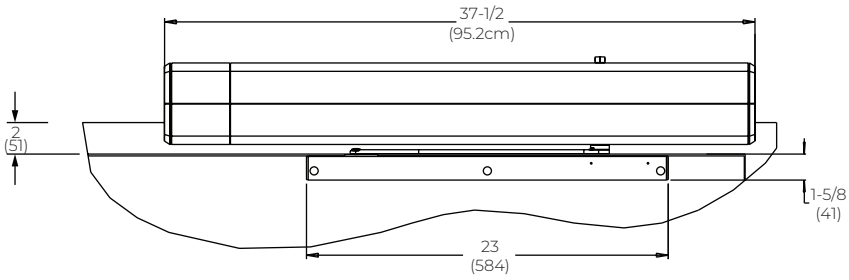
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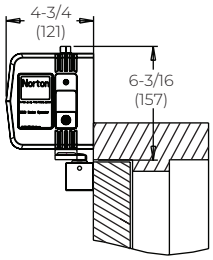
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APPLICATIONS



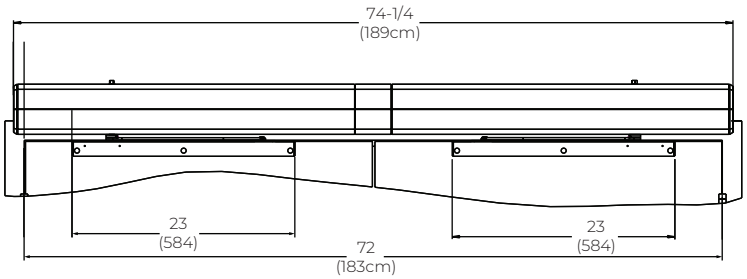
6011
HINGE (PULL) SIDE OF DOOR
RIGID ARM AND SLIDE TRACK

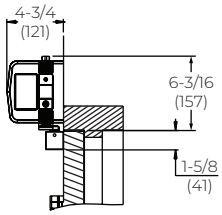






D6011-36
HINGE (PULL) SIDE OF DOOR
PAIR OF DOORS





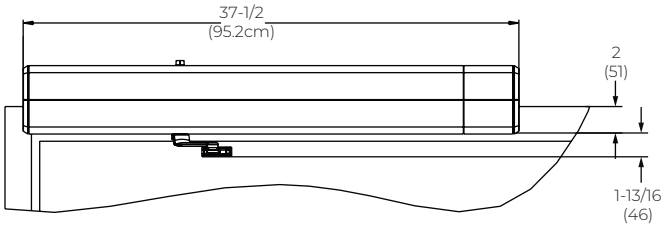
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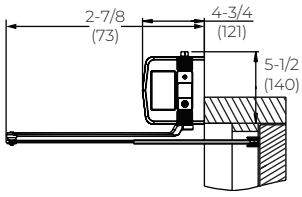
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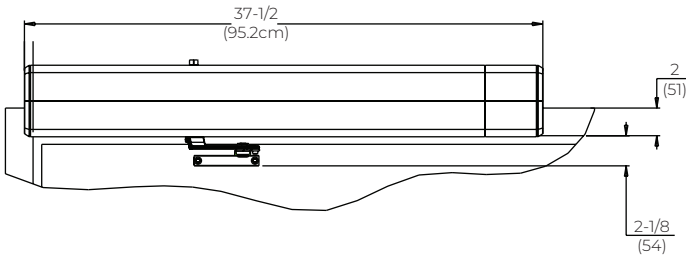
6031
STOP (PUSH) SIDE OF DOOR
STANDARD-DUTY DOUBLE LEVER ARM

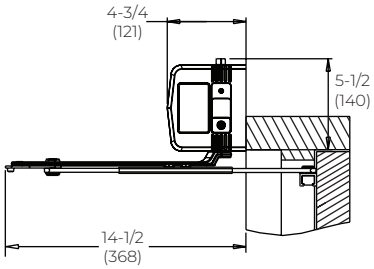






6061
STOP (PUSH) SIDE OF DOOR
HEAVY-DUTY UNITROL® ARM

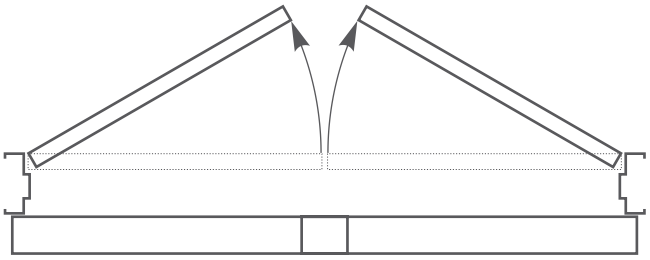




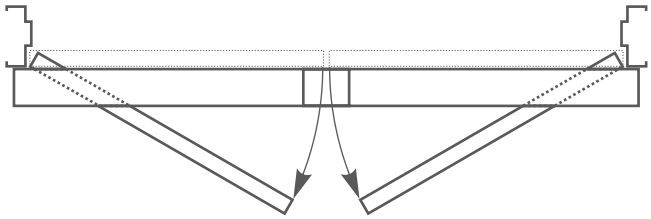
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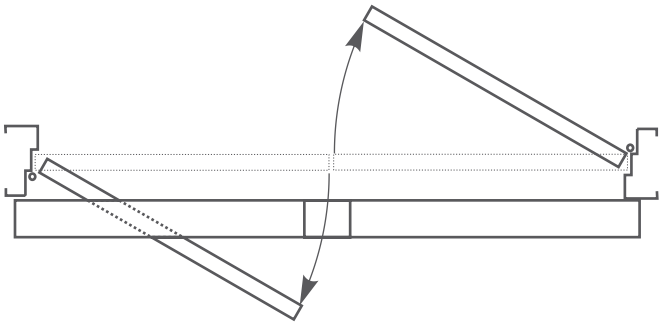
DOOR OPENING EXAMPLES



D6021/D6031/D6061/D6071 Series
Operator mounted on push side
left hand/right hand outswing doors



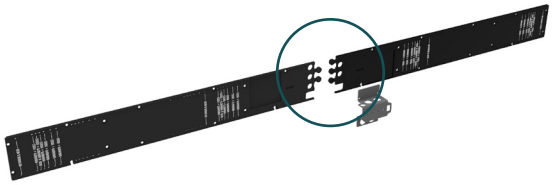
D6011/D6051 Series
Operator mounted on pull side
left hand/right hand inswing doors



D6001DER (Right Hand)
D6001DEL (Left Hand)
Right or left hand double egress doors
(right hand doors illustrated)

OPERATOR DETAILS

Heavy Duty Back Plates (Double Door Shown)





Back plates interlock and attach with a conduit assembly to provide strength and durability

Cover Union - Double and Single Doors









The 3-position switch (ON/OFF/HOLD OPEN) is easily accessible via a “door” on the cover union. The door is located in the middle for double doors and on the end for single doors.

End Cap





If needed, spring adjustment is accessible through the door on the end cap. Door can be “locked” with a screw for security.

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TECHNICAL INFORMATION

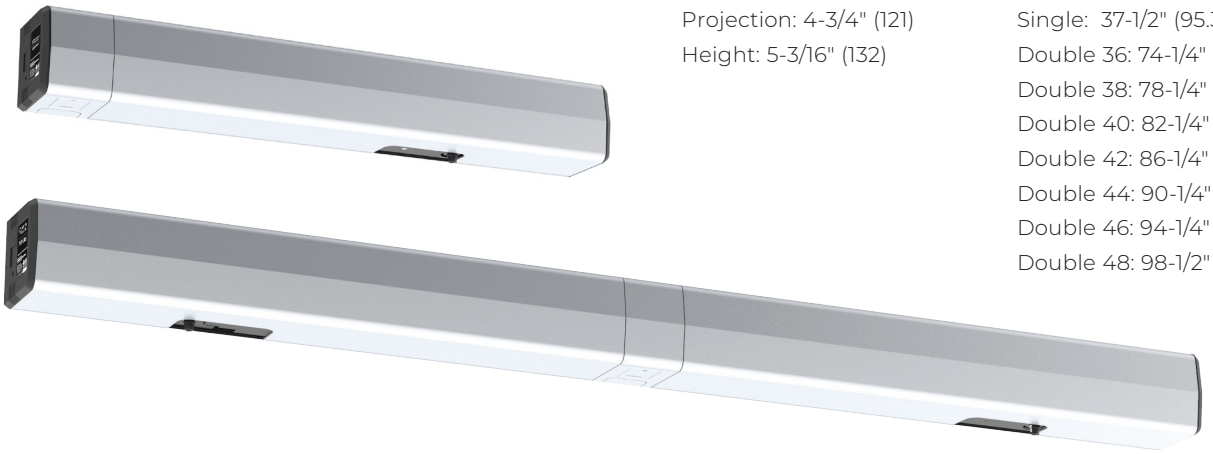
SINGLE AND DOUBLE DOORS					
Models	Minimum Frame Height	Minimum Top Rail (Door)	Minimum Door Width	Door Opening	Frame Reveal
6011, D6011	2" (51)	1-3/4" (44)	36" (91cm)	85° to 110° (5° increments)	1/8" (3)
6051, D6051		2-3/8" (60)			1/8" to 3" (3 - 76)
6021, D6021	1-1/2" (38)	1-7/8" (48)		Up to 110°	2-3/4" to 6-7/8" (70 - 175)
6031, D6031				From 110° to 180°	
6061, D6061		2-3/16" (56)		85° to 110° (5° increments)	2-1/4" to 4-3/4" * (57 - 121)
6071, D6071					4-13/16" to 7-3/8" (122 to 187)

DOUBLE EGRESS APPLICATIONS					
Models	Minimum Frame Height	Minimum Top Rail (Door)	Minimum Door Width	Door Opening	Frame Reveal
D6001DE	2" (51)	2-3/8" (60)	36" (91cm)	Up to 110°	2-1/4" to 3" (57-76)
D6001DE1					3-1/16" to 4-3/4" (78-121)
D6001DE2					4-13/16" to 7" (122-178)

NOTES:
- Auxiliary stops are recommended for the models 6011, 6051, D6011, D6051 and D6001DE pull side and required for models 6021, 6031, D6021 and D6031.
- Models 6061, 6071, D6061, D6071 and D6001DE push side have a spring buffered stop in the arm shoe assembly. Models 6011, 6051, D6011, D6051 and D6001DE pull side have a buffered stop assembly in the slide track.
- Drop applications are needed if the required ceiling clearance is less than 5" (127). Available for models 6021, 6031, 6061, 6071, D6021, D6031, D6061 and D6071. Suffix D to model number when ordering.

*Reveals less than 2-1/4" (57) may be achieved by field cutting the adjusting rod.

COVER DIMENSIONS



Single & Double Covers:
Projection: 4-3/4" (121)
Height: 5-3/16" (132)

Overall Lengths:
Single: 37-1/2" (95.3cm)
Double 36: 74-1/4" (188.6cm)
Double 38: 78-1/4" (198.8cm)
Double 40: 82-1/4" (209.8cm)
Double 42: 86-1/4" (219.1cm)
Double 44: 90-1/4" (229.2cm)
Double 46: 94-1/4" (239.4cm)
Double 48: 98-1/2" (249.6cm)

Dimensions are inches/mm (unless noted)

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PARTS LIST

Arm and Track Assemblies



6610-1 Arm and Track Assembly
7210-1A Arm Assembly
7200-1T Track Assembly



6020-1 Arm Assembly
6020-1W Main Arm & Rod
6620-12 Adjusting Tube & Shoe



6030-1 Arm Assembly
6030-1W Main Arm & Rod
6620-12 Adjusting Tube & Shoe



Left hand shown

6050-1L Arm and Track Assembly (LH)
6050-1R Arm and Track Assembly (RH)
6051-1L Arm and Track Assembly - Deep Reveal (LH)
6051-1R Arm and Track Assembly - Deep Reveal (RH)
6051-11L Arm Assembly - Deep Reveal (LH)
6051-11R Arm Assembly - Deep Reveal (RH)
7250-1L Arm Assembly (LH)
7250-1R Arm Assembly (RH)
7200-1T Track Assembly



6660-1 Arm Assembly
6660-11 Rod & Snubber Assembly



6670-1 Arm Assembly
6670-11 Rod & Snubber Assembly

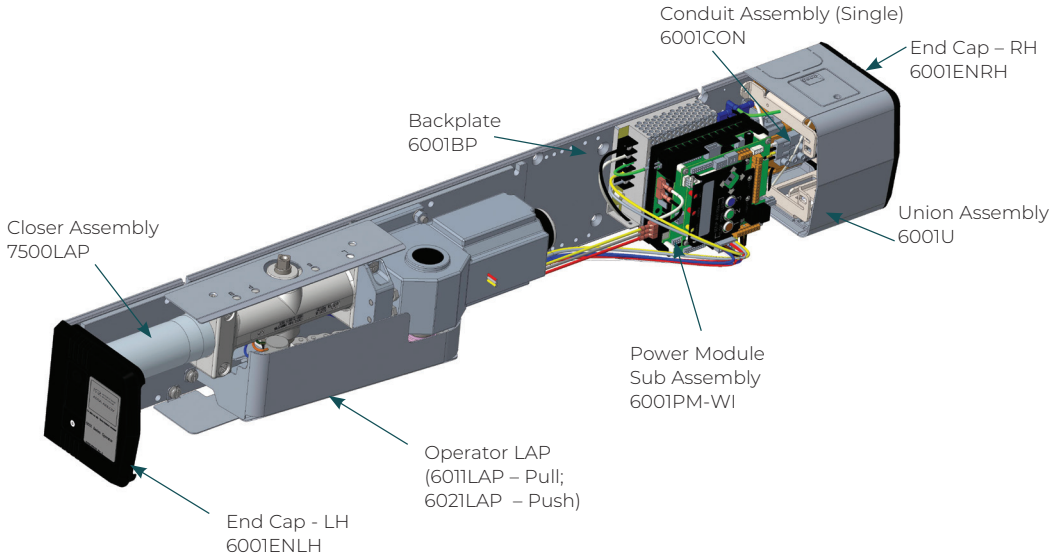


6061-1 Unitrol® Arm Assembly
6660-11 Rod & Snubber Assembly
6071-1 Unitrol Arm Assembly - Deep Reveal
6670-11 Rod & Snubber Assembly

MODEL	USES
6011	6610-1 Arm & Track Assembly
6021	6020-1 Arm Assembly
6031	6030-1 Arm Assembly
6051	6050-1L/R Arm & Track Assembly
6061	6660-1 Arm Assembly
6071	6670-1 Arm Assembly
D6001DE	6061-1 Unitrol Arm Assembly and 6050-1L/R Arm & Track Assembly
D6001DE1	6061-1 Unitrol Arm Assembly and 6051-1L/R Arm & Track Assembly - Deep Reveal
D6001DE2	6071-1 Unitrol Arm Assembly - Deep Reveal and 6051-1L/R Arm and Track Assembly - Deep Reveal

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PARTS LIST - SINGLE UNIT SHOWN



COVERS, BACK PLATES

PART NUMBER	DESCRIPTION
6001COV	Cover - Single
D6001COV-36	Cover - Double 36"
D6001COV-38	Cover - Double 38"
D6001COV-40	Cover - Double 40"
D6001COV-42	Cover - Double 42"
D6001COV-44	Cover - Double 44"
D6001COV-46	Cover - Double 46"
D6001COV-48	Cover - Double 48"
6001BP	Back Plate - Single
D6001BP-36-LH	Back Plate - Double 36" - Left Hand
D6001BP-36-RH	Back Plate - Double 36" - Right Hand
D6001BP-38-LH	Back Plate - Double 38" - Left Hand
D6001BP-38-RH	Back Plate - Double 38" - Right Hand
D6001BP-40-LH	Back Plate - Double 40" - Left Hand
D6001BP-40-RH	Back Plate - Double 40" - Right Hand
D6001BP-42-LH	Back Plate - Double 42" - Left Hand
D6001BP-42-RH	Back Plate - Double 42" - Right Hand
D6001BP-44-LH	Back Plate - Double 44" - Left Hand
D6001BP-44-RH	Back Plate - Double 44" - Right Hand
D6001BP-46-LH	Back Plate - Double 46" - Left Hand
D6001BP-46-RH	Back Plate - Double 46" - Right Hand
D6001BP-48-LH	Back Plate - Double 48" - Left Hand
D6001BP-48-RH	Back Plate - Double 48" - Right Hand

UNIT SUB-ASSEMBLY

PART NUMBER	DESCRIPTION
6011LAP*	6011, 6051 Unit Sub-Assembly
6021LAP*	6021, 6031, 6061, 6071 Unit Sub-Assembly

*Part Numbers may differ based on legacy models. Contact Norton Rixson Technical Product Support to verify for accuracy based on unit on hand.
Note: back plates are only available in black finish.

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DROP ANGLE, TRANSOM BRACKETS*

PART NUMBER	DESCRIPTION
6001DAB	Drop Angle Bracket - Single 36"
6001DAB2	Drop Angle Bracket - Single 38" and up
D6001DAB-36	Push Drop Angle Bracket - Double 36"
D6001DAB-38	Push Drop Angle Bracket - Double 38"
D6001DAB-40	Push Drop Angle Bracket - Double 40"
D6001DAB-42	Push Drop Angle Bracket - Double 42"
D6001DAB-44	Push Drop Angle Bracket - Double 44"
D6001DAB-46	Push Drop Angle Bracket - Double 46"
D6001DAB-48	Push Drop Angle Bracket - Double 48"
6011TAB-1	Pull Transom Single 36"
6011TAB-2	Pull Transom Single 38" and up
D6011TAB-36	Pull Transom Double 36"
D6011TAB-38	Pull Transom Double 38"
D6011TAB-40	Pull Transom Double 40"
D6011TAB-42	Pull Transom Double 42"
D6011TAB-44	Pull Transom Double 44"
D6011TAB-46	Pull Transom Double 46"
D6011TAB-48	Pull Transom Double 48"
6021TAB-1	Push Transom Single 36"
6021TAB-2	Push Transom Single 38" and up
D6021TAB-36	Push Transom Double 36"
D6021TAB-38	Push Transom Double 38"
D6021TAB-40	Push Transom Double 40"
D6021TAB-42	Push Transom Double 42"
D6021TAB-44	Push Transom Double 44"
D6021TAB-46	Push Transom Double 46"
D6021TAB-48	Push Transom Double 48"

MISCELLANEOUS PARTS

PART NUMBER	DESCRIPTION
6001PM-WI	Power Module Sub Assembly
6001U	Union Assembly - Single
D6001U	Union Assembly - Double
6001US	Union Spacer
6001SK	Shim Kit^
5700SW	On/Off Switch
6000CB	Circuit Breaker
6001MS	Motor Support
6001SC-1	Screw Pack - Back Plate
6001SC-2	Screw Pack - Standard
D6001SYNC	Sync Cable
D6001CON	Conduit Assembly (Double)
6000IN-WI	Inverter

^ Shim kit supplied standard. Kit includes (6) 1/16", (6) 1/8", and (12) 1/4" shims.
* Drop angle and transom brackets are shipped as 1 ea. When ordering these for double door applications, specify quantity as 2.
Note: drop angle brackets and transom brackets are only available in black finish.

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HOW TO ORDER

Specify Model and Finish. If ordering, unit for double doors, specify Door Width.

D6031 — **48"** — **If applicable, specify Options shown below** — **690**

MODEL
See chart below

DOOR WIDTH
Double Doors Only - Specify 36", 38", 40", 42" 44", 46" OR 48"

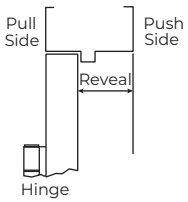
FINISHES

ANSI/BHMA (US)	Description
689 (US28)	Aluminum, painted
690 (US20)	Dark bronze, painted
BSP	Black suede powder coat
WSP	White suede powder coat

Note: back plates, drop angle brackets and transom brackets are only available in black finish.

OPTIONS

RF - Radio Frequency Controls (Field wired, requires 531, 532 wall switch or 500 switch post (433MHz). Max codes 100)
D - Drop Application (Double Doors ONLY)
D1 - Drop Application (36" Single Door only)
D2 - Drop Application (Single Doors over 36")
DMY - Dummy unit. Double unit includes (1) operator and (1) door closer; single unit includes (1) door closer



	Model	Mounting			Arms					Reveals	Max Door Swing
		Pull Side	Push Side	Double Egress	Rigid Arm & Slide Track	Double Egress & Slide Track	Standard-Duty Double Lever	Heavy-Duty Unitrol® Arm	Heavy-Duty Double Lever		
Single	6011	•			•					Max 1/8" (3)	110°
	6051	•		•		•				1/8" - 3" (3-76)	
	6021		•				•			2-3/4" - 6-7/8" (70-175)	180°
	6031 (see note 1 below)		•				•				
	6061 (see note 2 below)		•					•		2-1/4" - 4-3/4" (57-121)	110°
	6071		•					•		4-13/16" - 7-3/8" (122-187)	
Double	D6011	•			•					Max 1/8" (3)	110°
	D6051	•				•				1/8" - 3" (3-76)	
	D6021		•				•			2-3/4" - 6-7/8" (70-175)	180°
	D6031 (see note 1 below)		•				•				
	D6061 (see note 2 below)		•					•		2-1/4" - 4-3/4" (57-121)	110°
	D6071		•					•		4-13/16" - 7-3/8" (122-187)	
	D6001DE (Handed)			•		•			•	2-1/4" - 3" (57-76)	110°
	D6001DE1 (Handed)			•		•			•	3-1/16" - 4-3/4" (78-121)	
	D6001DE2 (Handed)			•		•			•	4-13/16" - 7" (122-178)	

Notes:
1. 6031, D6031 - models will be power operatored to 110° but can be manually opened to 180°
2. 6061, D6061 - reveals less than 2-1/4" may be achieveed by field cutting the adjusting rod
* Consult Technical Support Department when door is hung on offset pivots or special reveals are required.
Dimensions are in inches/mm, unless noted.

NORTON RIXSON
ASSA ABLOY

5700 SERIES
LOW ENERGY POWER OPERATORS

INTRODUCTION

A reliable ADA solution comprising Norton Rixson's heavy-duty 1601 door closer. The use of a hydraulic closer ensures quiet and consistently smooth operation, ideal in applications where doors are typically operated manually but can also be activated via wall switches for automatic operation. The 5700 offers basic automated door functions and is designed for quick set-up, making it easy to specify and install.



FEATURES

- Non-handed
- Push or pull side mounting
- Comprises heavy-duty Norton Rixson 1601 door closer
- Door widths: 28"-48"
- Maximum door weight: 250 lbs
- Optional kit includes wall switches and plug-in power cord
- Operates as mechanical surface close during close cycles, when door is opened manually or if power is off
- Spring force provides the feel of a manual door closer
- Door can be opened manually if desired
- Adjustable spring power
- Backcheck valve
- Sweep valve & latch valve
- Unit activation options:
  – Wall switches
  – Radio frequency device
- End-user on/off switch
- Adjustable door sensitivity
- Onboard power supply for accessories: 24VDC (1.1A)
- NorGlide® fluid
- 2-year limited warranty

BENEFITS

- Basic features simplify product choice
- Designed for quick installation, setup and adjustments
- Hydraulic closer offers quiet and smooth operation

PATENTS

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LOW ENERGY POWER OPERATORS

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FUNCTIONS

- Adjustable Hold Open
  – Amount of time a door will stay in the full open position after an activation
- Obstruction Detection
  – Motor stops if door is obstructed during opening; door closes
- On/Off Switch
  – Disables operator activation
- Open Delay
  – Delays operator opening for locking hardware
- Overload Safety Shut-Off
  – After 2 minutes of receiving a door activation signal, inverter times out and door closes
  – Prevents motor/inverter damage

ELECTRICAL DATA

- Power input; 120 VAC, 60Hz
- Relay output: SPDT
  – Normally open/normally closed (jumper)
  – For electric strike function

CERTIFICATIONS

- ANSI/BHMA A156.19 certified
- Meets ANSI/BHMA A156.4 requirements
- UL / cUL listed
- UL10C positive pressure up to 3 hours
- Manufactured in an ISO 9001 and ISO 14001 certified facility
- Complies with requirements for the Americans with Disabilities Act (A.D.A)

SPECIFICATIONS

- Door Controls____ (interior) (exterior) swinging door(s) shall be of rack and pinion design contained within a precision cast aluminum housing.
- Door closing force shall be adjustable to ensure adequate closing control.
- Door closing speed shall be controlled by independent hydraulic adjustment valves in the sweep and latch range of the closing cycle.
- Door Operator shall provide conventional door closer opening forces unless the power operator motor is activated.
- Door Operator shall provide conventional door closing forces at all times except in the event of power outage during powered door open cycle.
- Door Operator opening force and speed shall be adjustable by independent electronic adjustment to ensure adequate opening control per accessibility codes.
- Door Operator shall have an adjustable hydraulic backcheck valve to cushion the door speed if door is opened violently.
- Door Operator shall have a manual adjustment to locate both full open and full closed door positions. Maximum door open shall be adjustable and capable to a maximum 180° conditions permitting. [(Door Operator shall be AUTOMATICALLY ACTIVATED, i.e., motion sensor.) (Door Operator shall be SELECTIVELY ACTIVATED by external initiating device, i.e., wall switch, etc.) (Door Operator shall be both AUTOMATICALLY ACTIVATED and SELECTIVELY ACTIVATED.)]
- Door operator shall have adjustable hold open time capability in range from 5 to 30 seconds.
- Door operator shall have input line rating of 120VAC, .6A or 240VAC, .3A. Units shall have relay contact for interfacing products having a contact rating of 30VDC at 1A or 125VAC at .5A.
- Unit shall have an external On/Off Switch to defeat powered opening when desired. Unit shall have an internal circuit breaker switch to interrupt input power for servicing.
- Unit shall be U.L. Listed for automatic closing door.
- Unit shall be in compliance with the requirements of the Americans With Disabilities Act (ADA), ANSI standards A117.1 and A156.19.
- Unit shall meet UL-cUL requirements.

ADDITIONAL DETAILED SPECIFICATIONS:

- When activated, the unit shall, by means of an integral motor and chain drive, power open the door at both a speed and force that are adjustable to meet accessibility codes.
- The door shall be powered from a door closed position to a full door open position and remain in momentary hold open for ___seconds (adjustable 0 to 30 seconds) [(Unit shall power open door to full open position up to 180° (5710); 170° (5730), conditions permitting.) (Unit shall be capable of allowing the door to be opened manually from 0 to 180°, conditions permitting.)]
- Once unit reaches full hold open position, if reinitiated, unit's momentary hold open time shall restart from the initially set hold open time. If unit is initiated during the closing cycle, unit shall revert to opening cycle beginning at that door position.
- Obstruction detection on open shall neutralize and reverse motor action reverting motor to closed position thus allowing door to close under closer spring force only. This obstruction detection feature shall be integral to unit.
- During closing cycle, the unit shall close door under spring power not to exceed a closing force of 15 lbf.

NORTON RIXSON
ASSA ABLOY

5700 SERIES
LOW ENERGY POWER OPERATORS

APPLICATIONS

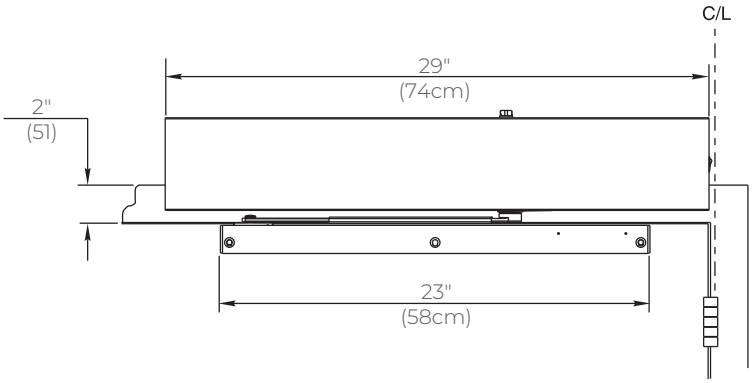


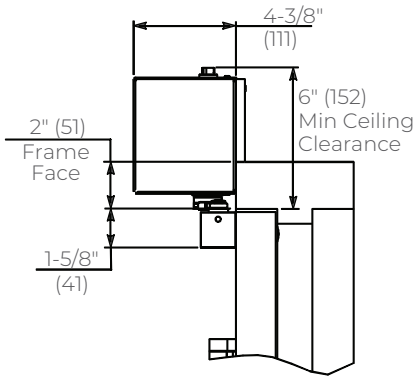
5710
HINGE (PULL)
SIDE OF DOOR

- Adjustable Stop
- 110° swing (trim permitting)

Minimum Door width
Single Door – 29" (74cm)
Pair of Doors – 30" (76cm)

An auxiliary stop is suggested where severe conditions exist.

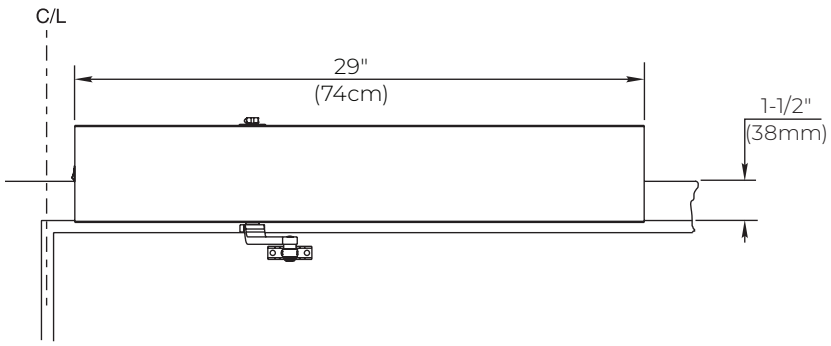


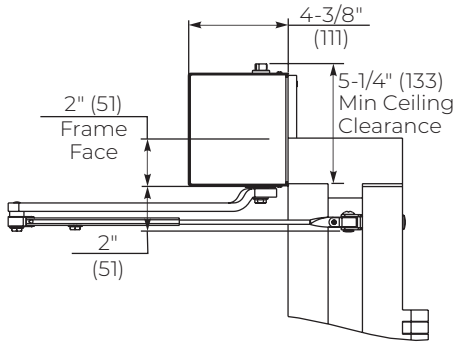




5730
STOP (PUSH) SIDE OF DOOR
Standard-Duty Double Lever Arm

- Frame reveals 2-5/8" to 6-3/4" (67-171mm)
- An auxiliary door stop is required for these applications.
- 170° swing (trim permitting)





Dimensions are in inches/mm, unless noted.

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5700 SERIES
LOW ENERGY POWER OPERATORS

APPLICATIONS

UNIVERSAL MOUNTING



5740
Kit Includes:
- Operator
- Cover
- Push and Pull Arms

HANDS-FREE KIT



5740K2
Kit Includes:
- Operator
- Cover
- Push and Pull Arms
- (2) 700 Wave-to-Open Switches
- 5700PC Power Cord

ADA KIT

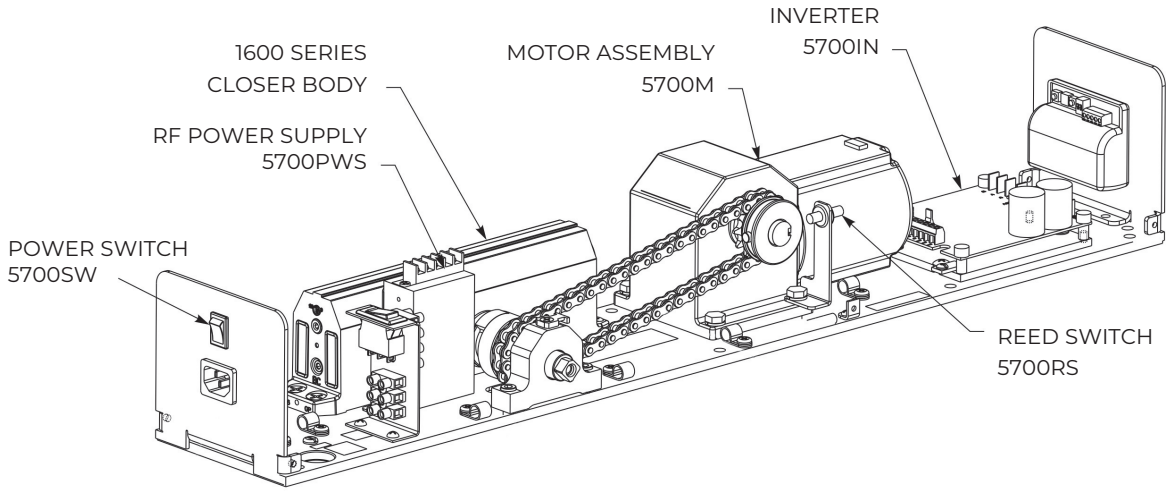


5740K3
Kit Includes:
- Operator
- Cover
- Push and Pull Arms
- (2) ADA1019-1 Wall Switches
- (2) 548 Transmitters
- 539 Receiver
- 5700PC Power Cord

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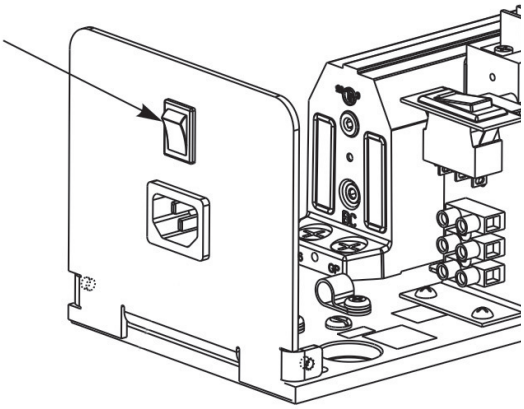
5700 SERIES
LOW ENERGY POWER OPERATORS

PARTS LIST

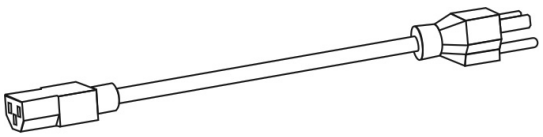


PART #	DESCRIPTION
5700COV	Cover

POWER SWITCH
5700SW



POWER CORD
5700PC



(125V / 10A RATED 18AWG 18 INCHES MAX., NEMA 5-15P AND IEC320-C13 CONNECTORS CORD MUST BE UL LISTED.)

POWER CORD INPUT
Factory prepped and installed receptacle

NOTE: Consult local authority having jurisdiction to confirm use of power cord is acceptable. Operator must be furnished with the power cord from the factory. Power cords cannot be added to operators in the field. Maximum distance from operator to receptacle is 15" (381).

Dimensions are in inches/mm, unless noted.

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5700 SERIES
LOW ENERGY POWER OPERATORS

ARM AND TRACK ASSEMBLIES



5710-1	Arm and Track Assembly
7701ST-1A	Arm Assembly
7200-1T	Track Assembly



7701-1A	Arm Assembly
7701-1W	Main Arm & Rod
7701-11A	Adjusting Tube & Shoe

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5700 SERIES
LOW ENERGY POWER OPERATORS

HOW TO ORDER

Specify Model or Kit and Finish.

5710 + **If applicable, specify Options shown below** + **BSP**

MODEL or KIT

See chart below

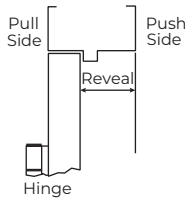
OPTIONS

RF - Radio Frequency^
PC - Power Cord
PCRF - Power Cord, Radio Frequency

FINISHES

ANSI/BHMA (US)	Description
689 (US28)	Aluminum, painted
690 (US20)	Dark bronze, painted
BSP	Black suede powder coat
WSP	White suede powder coat

Model	Mounting		Arms		Reveals
	Pull Side	Push Side	Rigid Arm & Slide Track	Double Lever Arm	
5710	•		•		Max 1/8" (3)
5730		•		•	Min 2-5/8" (67) Max 6-3/4" (171)
5740	•	•	•	•	See 5710 or 5730



Kits	Includes
5740K2	Operator Cover Push & pull arms 5700PC power cord (2) 700 Wave-to-open switches
5740K3	Operator Cover Push & pull arms 5700PC power cord (2) ADA1019-1 wall switches (2) 548 transmitters 539 receiver

^Actuators not supplied with RF. See page 19 for Kits

Dimensions are in inches/mm, unless noted.

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5500 SERIES

LOW ENERGY POWER OPERATORS

INTRODUCTION

A reliable ADA solution comprising Norton Rixson's heavy-duty 1601 door closer. The use of a hydraulic closer ensures quiet and consistently smooth operation, ideal in applications where doors are typically operated manually but can also be activated via wall switches for automatic operation. The 5500 offers basic automated door functions and is designed for quick set-up, making it easy to specify and install.



FEATURES

- Non-handed
- Push or pull side mounting
- Maximum door weight: 250 lbs
- Obstruction detection
- Backcheck standard
- Use with wall switch actuation devices
- Integration with access control systems
- NorGlide® fluid
- 2 year limited warranty

CERTIFICATIONS

- ANSI/BHMA A156.19 certified
- Meets ANSI/BHMA A156.4 requirements
- UL / cUL listed
- UL10C positive pressure up to 3 hours
- Manufactured in an ISO 9001 and ISO 14001 certified facility
- Complies with requirements for the Americans with Disabilities Act (A.D.A)

BENEFITS

- Cost effective automatic door operator
- Compliant solution for stringent ADA requirements
- New smaller footprint for minimal aesthetics and tighter spaces
- Comprises hydraulic closer to ensure quiet function and smooth operation when opened manually
- One of the only fire rated, hydraulic operators available
- Easy, one-person installation with parts packaged pre-installed on backplate

PATENTS

- assaabloydss.com/patents

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5500 SERIES
LOW ENERGY POWER OPERATOR

APPLICATIONS

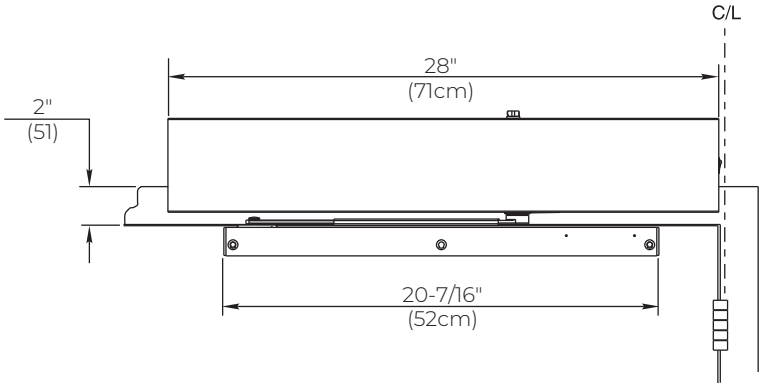


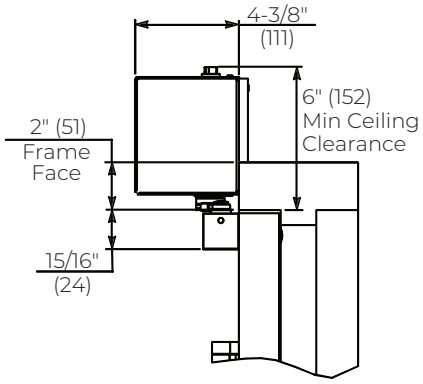
5511
HINGE (PULL)
SIDE OF DOOR

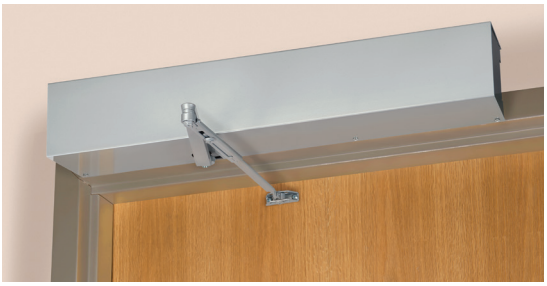
- Adjustable Stop
- 110° swing (trim permitting)

Minimum Door width
Single Door – 29" (74cm)
Pair of Doors – 30" (76cm)

An auxiliary stop is suggested where severe conditions exist.

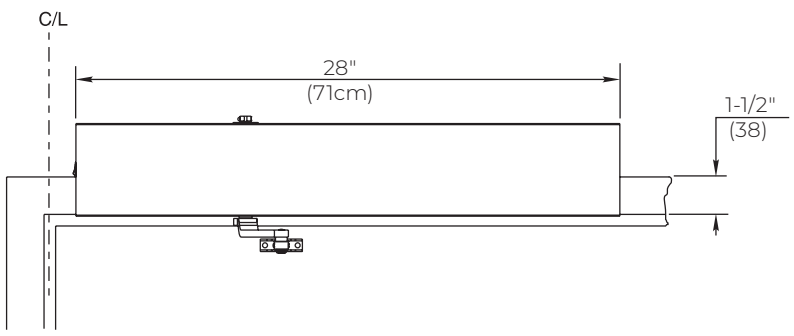


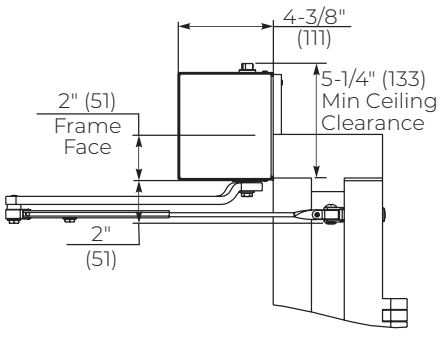




5531
STOP (PUSH) SIDE OF DOOR
Standard-Duty Double Lever Arm

- Frame reveals 2-5/8" to 6-3/4" (67-171)
- An auxiliary door stop is required for these applications
- 170° swing (trim permitting)

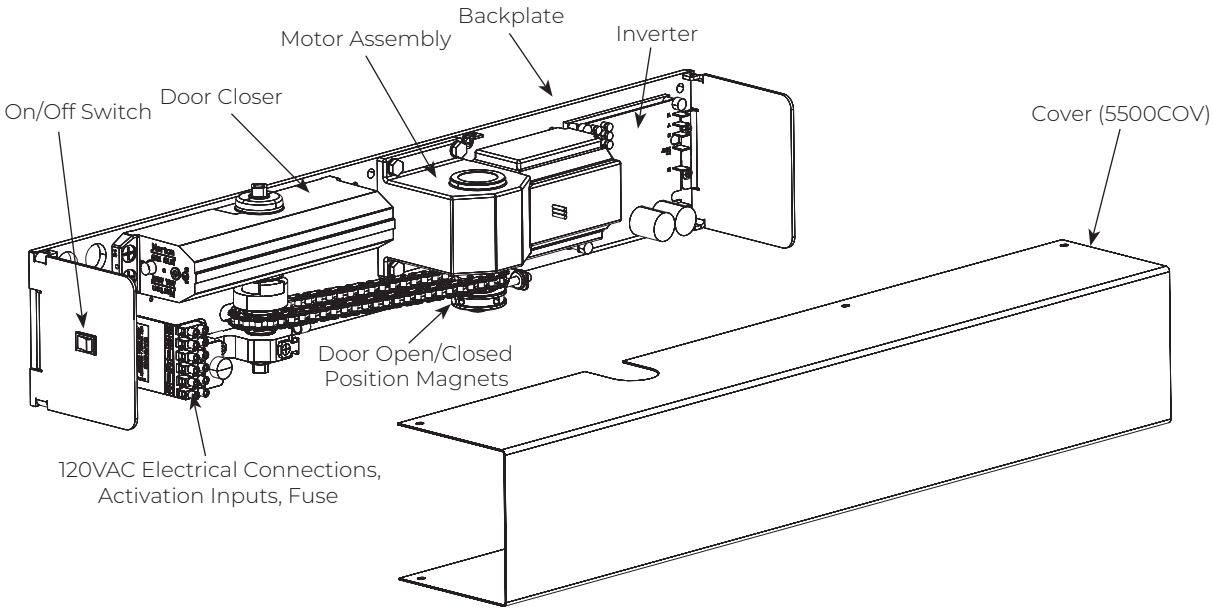




Dimensions are in inches/mm, unless noted.

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PARTS LIST



OPTIONAL

MODEL	DESCRIPTION
5500PWR	Power Supply

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5500 SERIES
LOW ENERGY POWER OPERATOR

ARM AND TRACK ASSEMBLIES



7110-1A	Arm Assembly
7100-1T	Track Assembly



7701-1A	Arm Assembly
7701-1W	Main Arm & Rod
7701-11A	Adjusting Tube & Shoe

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5500 SERIES
LOW ENERGY POWER OPERATORS

HOW TO ORDER

Specify Model, and Finish.

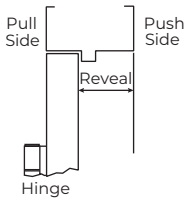
5531 **689**

MODEL

See chart below

FINISH

ANSI/BHMA (US)	Description
689 (US28)	Aluminum, painted



Model	Mounting		Arms		Reveals
	Pull Side	Push Side	Rigid Arm & Slide Track	Double Lever Arm	
5511	•		•		Max 1/8" (3)
5531		•		•	Min 2-5/8" (67) Max 6-3/4" (171)

Dimensions are in inches/mm, unless noted.

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6300 SERIES
LOW ENERGY POWER OPERATORS

INTRODUCTION

The Norton Rixson 6300 Series Low Energy Operator offers a broad set of intelligent functions, such as power close, latch assist and obstruction detection to safely secure a variety of moderate to high traffic openings.
A unique design with one of the slimmest profiles available allows the 6300 to blend more seamlessly with the frame while fitting challenging applications with minimal header space. A modular design, simple controls, and NROS™ integrated wireless hot spot via a mobile device make for easy installation and setup.



FEATURES

- Push and pull side mounting
- Non-handed
- Activated by wall switch, hands-free and RF devices
- Door size: min width 36", max width 48", max weight 250 lbs.
- Aesthetically pleasing, slim profile
- Modular design
- Adjustable opening force
- Adjustable closing power
- LCD screen
- NROS™ integrated wireless hot spot
- 2 year limited warranty



SUPERIOR USER EXPERIENCE

- Operator is a secure, password protected WiFi hot spot - no connection to building's IT required
- Simple setup; no app required
- View status and make adjustments without removing cover
- Built-in logic to support single use restroom applications - no external relay boards, logic modules, position switches required

SHARED PLATFORM

- Mix and match 6300, 6200 and 5200 Series throughout facility to maximize value to customer
- Shared aesthetics with 6300 and 6200 Series
- Modular installation - one-person install
- Easy set up and adjustments header space

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6300 SERIES
LOW ENERGY POWER OPERATORS

FUNCTIONS

- Adjustable Hold Open
  - Amount of time a door will stay in the full open position after an activation
- Blow Open for Smoke Ventilation
  - Door opens when signal is received from alarm system allowing air or smoke to flow through opening
  - Door will stay open until signal from alarm system is stopped
- Emergency Interface Relay (fire panel input)
  - Door closes and ignores any activation input until signal is discontinued
- Infinite Hold Open
  - Door will hold open at set position until power is turned off
- Latch Assist
  - At closed position, after an activation, the door is pulled in
  - After the door has closed, the door is pulled in to assist with latch release engagement
- Obstruction Detection
  - Open: door closes if it hits an obstruction while opening
  - Close: door will reverse to open position if it hits an obstruction while closing
  - Close (Selectable - stop on stall): door will stop once it hits an obstruction and will rest against the obstruction until removed
- Open Delay
  - Delays operator opening for locking hardware
- Outside Wall Switch Disable
  - When contact is closed, outside wall switch is disabled
- Power Assist
  - Senses the door is being opened manually and applies small amount of power to assist user in opening the door with force less than 5 lbs.
  - Door opens only as far as it is moved manually, then closes once released
- Power Close
  - Additional force to assist door closing between 7° and 2°
- Presence Detector Input
  - Input for external sensor to detect presence at door open or close position only
- Push & Go
  - As the door is manually opened, the operator “senses” movement and opens door to the full-open – position
- Selector Mode Switch
  - Off - Disables signal inputs unless Blow Open is activated
  - On - Activates signal inputs
  - Hold Open - Activates the unit (unless blow closed is activated on 6300) to the hold open position
- Vestibule Delay
  - When the wall switch is pressed, first door in vestibule will open. Second door will open once vestibule door delay has expired. Delay is adjustable.

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6300 SERIES
LOW ENERGY POWER OPERATORS

ELECTRICAL DATA

- Power input 120 VAC, 3A, 60Hz
- Current draw 1.5A
- Power output 24VDC @ 1.3A max draw (less accessories)

PATENTS

- assaabloydss.com/patents

CERTIFICATIONS

- ANSI/BHMA A156.19 certified
- UL325/991 certified
- UL10C positive pressure up to 3 hours
- Complies with requirements for the Americans with Disabilities Act (A.D.A)
- Manufactured in an ISO 9001 and ISO 14001 certified facility

SPECIFICATIONS

- Door Control (interior) (exterior) closing force shall be adjustable to ensure adequate closing control.
- Door Operator shall simulate conventional door closer opening and closing forces unless the power operator motor is activated.
- Door Operator shall have electronic backcheck to cushion the door speed if door is opened violently. [(Door Operator shall be AUTOMATICALLY ACTIVATED by either a slight push or pull in the direction of opening swing - Push & Go.) (Door Operator shall be SELECTIVELY ACTIVATED by external initiating device, i.e. wall switch, etc.) (Door Operator shall be both AUTOMATICALLY ACTIVATED and SELECTIVELY ACTIVATED.)]
- Operator shall have selectable latch boost to provide additional closing force to overcome conditions that may prevent door from latching.
- Unit shall have delay switches for motor activation, electric lock interfacing, and hold open time.
- Units shall interface with latch retraction exit devices or similar products and have 24VDC @ 1.3A maximum (less accessories) output for connection of electric strike, lock, radio frequency receiver, etc.
- Unit shall have a three-position Selector Mode Switch that will permit the unit to be switched “ON” to monitor for function inputs, switch to “H/O” for infinite hold open function or switched “OFF” which will disable function inputs allowing unit to be used as a manual door closer.
- Unit shall be U.L. Listed for automatic closing door.
- The Unit shall be adjustable to provide compliance with the requirements of the Americans with Disabilities Act (ADA). Unit shall be certified by BHMA to meet A156.19 requirements.
- Unit shall meet UL325/991, UL10C standards.

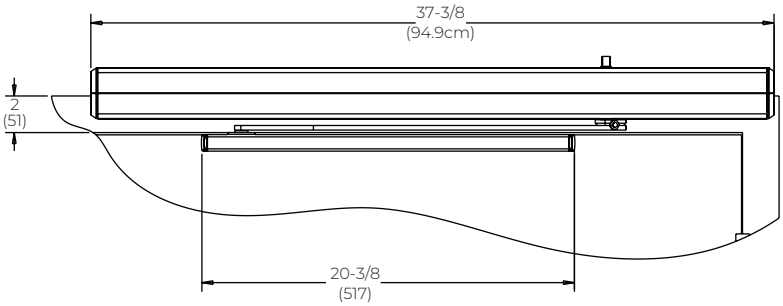
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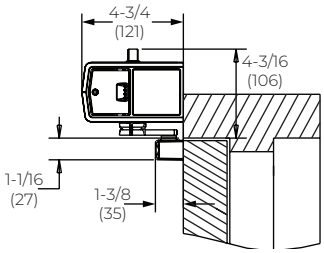
6300 SERIES
LOW ENERGY POWER OPERATORS

APPLICATIONS



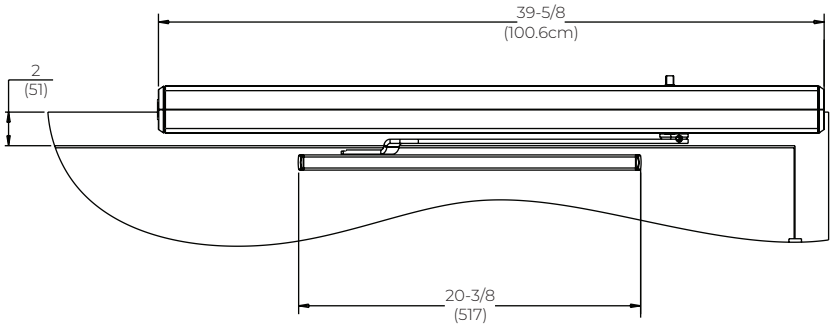
6311
HINGE (PULL) SIDE OF DOOR
RIGID ARM AND SLIDE TRACK

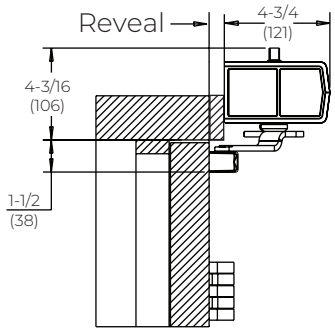






6352
DOUBLE EGRESS ARM (PULL)
SIDE OF DOOR





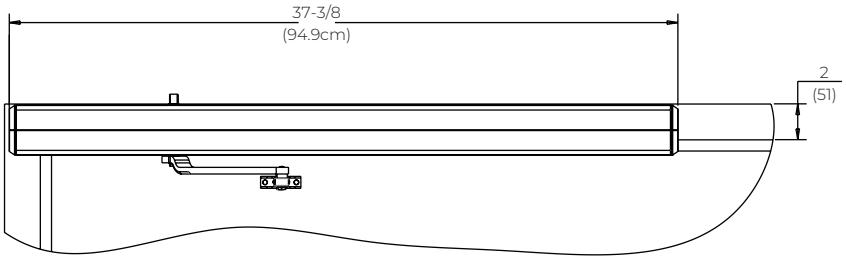
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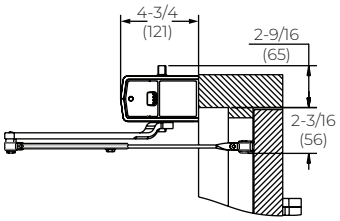
NORTON RIXSON
ASSA ABLOY

6300 SERIES
LOW ENERGY POWER OPERATORS



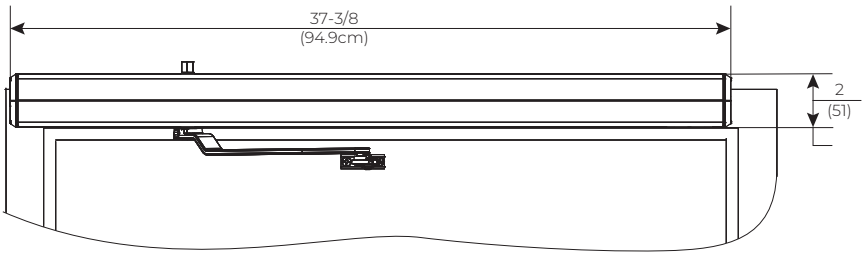
6331
LOW CEILING
STOP (PUSH) SIDE OF DOOR
STANDARD-DUTY DOUBLE LEVER ARM

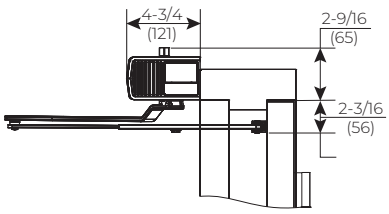






6361
FLUSH MOUNT
STOP (PUSH) SIDE OF DOOR
STANDARD DUTY DOUBLE LEVER ARM





Dimensions are in inches/mm, unless noted.

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6300 SERIES
LOW ENERGY POWER OPERATORS

6341, 6342 - UNIVERSAL UNITS
INCLUDE:

- Operator
- Cover
- Push and pull arms



operator

+



low ceiling, push arm ***(6330-1)***

+



pull arm ***(6310-1)***

6371, 6372 - UNIVERSAL UNITS
INCLUDE:

- Operator
- Cover
- Push and pull arms



operator

+



flush mount, push arm ***(6361-1)***

+



pull arm ***(6310-1)***

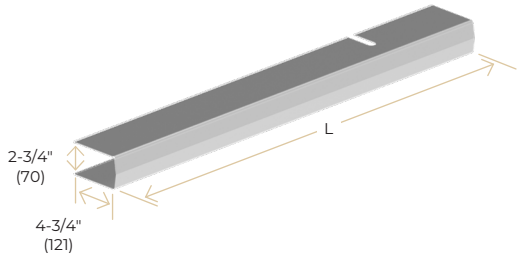
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ASSA ABLOY

6300 SERIES
LOW ENERGY POWER OPERATORS

PRODUCT COMPARISON

Model	Mounting		Low Ceiling	Flush Mount	Overall Length (L)	Cover spans full frame (36" door only)	Can be used on a pair of 36" doors
	Pull Side	Push Side					
6311	•				37-3/8" (94.9cm)	No	Yes
6331		•	•				
6361		•		•			
6351	•						
6312	•				39-5/8" (100.6cm)	Yes	No
6332		•	•				
6362		•		•			
6352	•						

Note: all models compatible with 585 Presence Detector.



TECHNICAL INFORMATION

Model	Door Opening	Reveal Range	Minimum Top Rail	Minimum Ceiling Clearance*	Frame Width	Door Width	Door Weight
6311 6312	Up to 180°	1/8" (3)	1-1/8" (29)	2-1/4" (57) standard; 1-1/2" (38) with field modification^	Minimum 2" (51)	Minimum 36" (91.4cm) Maximum 48" (121.9cm)	250 lbs
6331 6332	110° to 135° (depending on reveal)	1/8" to 6-3/4" (3-171)	2-1/4" (57)	5/8" (16) standard; 0" with field modification^			
6361 6362				1-1/2' (38) standard			
6351 6352	Up to 130°	1/8" to 2-3/4" (3-70)	1-1/2" (38)	2-1/4" (57) standard; 1-1/2" (38) with field modification^			

*Based on units mounted on 2" (51) frame
^Consult factory

NOTES:
- For additional information, the 6300 Series Instruction Manual is available online.

Dimensions are in inches/mm, unless noted.

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6300 SERIES
LOW ENERGY POWER OPERATORS

KITS

Hands-Free Kits



6341K2 (37-3/8")
6342K2 (39-5/8")
Kit includes:
- Operator
- Cover
- Push and Pull Arms
- (2) 700 Wave-to-Open Switches

ADA Kits



6341K3 (37-3/8")
6342K3 (39-5/8")
Kit includes:
- Operator
- Cover
- Push and Pull Arms
- (2) ADA1019-2 Switches
- (2) 548 Transmitters
- 539 Receiver

Restroom Kit

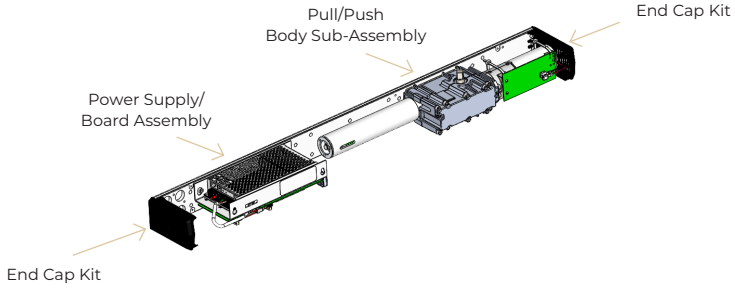


6341R2 (37-3/8")
6342R2 (39-5/8")
Kit includes:
- Operator
- Cover
- Push and Pull Arms
- 776 Double Gang Switches

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6300 SERIES
LOW ENERGY POWER OPERATORS

PARTS LIST

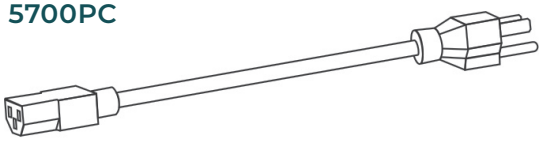


Parts

Part Number	Description	For Models
6300LAP	Pull/Push Body Sub-Assembly	All
6300CM	Power Supply / Board Assembly	All
6300CAB2	Cable Kit	All
6300COV	39-5/8" Cover	ending with "2"
6300COV-CB	39-5/8" Cover with Conduit Knockouts	
6300DPL	39-5/8" Cover Plate	
6300COV2	37-3/8" Cover	ending with "1"
6300COV2-CB	37-3/8" Cover with Conduit Knockouts	
6300DPS	37-3/8" Cover Plate	

Part Number	Description
6300END	End Cap Kit (included both end caps)
6300SP	Screw Pack
6300CB	Conduit Bracket/ Power Input Package
6300CBPC	Power Cord Conduit Assembly Package

POWER CORD 5700PC



(125V / 10A RATED 18AWG 18 INCHES MAX., NEMA 5-15P AND IEC320-C13 CONNECTORS CORD MUST BE UL LISTED.)

ARM AND TRACK ASSEMBLIES



6310-1 Arm and Track Assembly
6310-1W Arm Assembly
7100-1T Track Assembly



6330-1 Low Ceiling, Push Arm Assembly
6330-1W Main Arm & Rod
6620-12 Adjusting Tube & Shoe



6361-1 Flush Mount, Push Arm Assembly
6361-1W Main Arm and Rod



6350-1L Arm and Track Assembly (LH)
6350-1R Arm and Track Assembly (RH)
6350-1LW Arm Assembly (LH)
6350-1RW Arm Assembly (RH)
7100-1T Track Assembly

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6300 SERIES
LOW ENERGY POWER OPERATORS

HOW TO ORDER
Specify Model or Kit and Finish.

6311 → MODEL or KIT
See chart below

If applicable, specify Options shown below → OPTIONS
CB - Conduit Bracket
PC - Power Cord

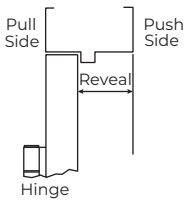
690 → FINISHES

Note: For Radio Frequency Control, order 539 RF receiver separately.

ANSI/BHMA (US)	Description
689 (US28)	Aluminum, painted
690 (US20)	Dark bronze, painted
BSP	Black suede powder coat
WSP	White suede powder coat

Model	Mounting		Arms			Reveals	Low Ceiling	Flush Mount	Overall Length
	Pull Side	Push Side	Rigid Arm & Slide Track	Double Lever Arm	Double Egress				
6311*	•		•			Max 1/8" (3)			37-3/8" (94.9cm)
6331		•		•		1/8" - 6-3/4" (3-171)	•		
6361		•		•				•	
6351	•				•	1/8" - 2-3/4" (3-69)			
6341	•	•	•	•		See above	•		
6371	•	•	•	•				•	
6312*	•		•			Max 1/8" (3)			39-5/8" (100.6cm)
6332		•		•		1/8" - 6-3/4" (3-171)	•		
6362		•		•				•	
6352	•				•	1/8" - 2-3/4" (3-69)			
6342	•	•	•	•		See above	•		
6372	•	•	•	•				•	

Kit	Overall Length	Includes
6341K2	37-3/8"	Operator Cover Push & pull arms (2) 700 wave-to-open switches
6342K2	39-5/8"	
6341K3	37-3/8"	Operator Cover Push & pull arms (2) ADA1019-2 switches (2) 548 transmitters 539 receiver
6342K3	39-5/8"	
6341R2	37-3/8"	Operator Cover Push & pull arms 776 Double Gang Switches
6342R2	39-5/8"	



* Consult Technical Support department when door is hung on offset pivots.

Dimensions are in inches/mm, unless noted.

NORTON RIXSON
ASSA ABLOY

6200 SERIES
LOW ENERGY POWER OPERATORS

INTRODUCTION

The Norton Rixson 6200 Series is a cost effective electromechanical low energy operator offering intelligent functions, such as power close, latch assist and obstruction detection. Specifically designed for high traffic applications requiring a narrow profile to blend more seamlessly with the frame while fitting challenging applications with minimal overhead space. Complete with electric lock interface, touchless activation support, and mobile device NROS™ integrated wireless hot spot programming for easy installation and setup.



FEATURES

- Push and pull side mounting
- Non-handed
- Activated by wall switch, hands-free and RF devices
- Maximum door size: 200 lbs. at 48" wide
- Aesthetically pleasing, slim profile
- Modmodular design
- Adjustable opening force
- Adjustable closing power
- NROS™ integrated wireless hot spot
- 2 year limited warranty



SUPERIOR USER EXPERIENCE

- Operator is a secure, password protected WiFi hot spot - no connection to building's IT required
- Simple setup; no app required
- View status and make adjustments without removing cover
- Built-in logic to support single use restroom applications - no external relay boards, logic modules, position switches required

SHARED PLATFORM

- Mix and match 6300, 6200 and 5200 Series throughout facility to maximize value to customer
- Shared aesthetics with 6300 and 6200 Series
- Modular installation - one-person install
- Easy set up and adjustments

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6200 SERIES
LOW ENERGY POWER OPERATORS

FUNCTIONS

- Adjustable Hold Open
  - Amount of time a door will stay in the full open position after an activation
- Emergency Interface Relay (fire panel input)
  - Door closes and ignores any activation input until signal is discontinued
- Infinite Hold Open
  - Door will hold open at set position until power is turned off
- Latch Assist
  - At closed position, after an activation, the door is pulled in
  - After the door has closed, the door is pulled in to assist with latch release/engagement
- Obstruction Detection
  - Open: door closes if it hits an obstruction while opening
  - Close: door will reverse to open position if it hits an obstruction while closing
  - Close (Selectable - stop on stall): door will stop once it hits an obstruction and will rest against the obstruction until removed
- Open Delay
  - Delays operator opening for locking hardware
- Outside Wall Switch Disable
  - When contact is closed, outside wall switch is disabled

Power Close
- Additional force to assist door closing between 7° and 2°

- Presence Detector Input
  - Input for external sensor to detect presence at door open or close position only
- Push & Go
  - As the door is manually opened, the operator "senses" movement and opens door to the full-open position
- Selector Mode Switch
  - Off - Disables signal inputs unless Blow Open is activated
  - On - Activates signal inputs
  - Hold Open - Activates the unit (unless blow closed is activated on 6300) to the hold open position

Single Use Restroom
- Occupancy Input
  - Disables inside and outside restroom switches
- Restroom Outside Switch
  - In unlocked state, activates operator
  - Disabled by occupancy input; resets to unlocked state when door is opened
- Restroom Inside Switch
  - Activates operator
  - Disabled by occupancy input, while occupancy input switch is closed

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6200 SERIES
LOW ENERGY POWER OPERATORS

ELECTRICAL DATA

- Power input 120 VAC, 3A, 60Hz
- Current draw 1.5A
- Power output 24VDC @ 0.4 A max draw (less accessories)

PATENTS

- assaabloydss.com/patents

CERTIFICATIONS

- ANSI/BHMA A156.19 certified
- UL325/991 certified
- UL10C positive pressure up to 3 hours
- Complies with requirements for the Americans with Disabilities Act (A.D.A)
- Manufactured in an ISO 9001 and ISO 14001 certified facility

SPECIFICATIONS

- Door Control (interior) (exterior) closing force shall be adjustable to ensure adequate closing control.
- Door Operator shall simulate conventional door closer opening and closing forces unless the power operator motor is activated.
- Door Operator shall have electronic backcheck to cushion the door speed if door is opened violently. [(Door Operator shall be AUTOMATICALLY ACTIVATED by either a slight push or pull in the direction of opening swing - Push & Go.) (Door Operator shall be SELECTIVELY ACTIVATED by external initiating device, i.e. wall switch, etc.) (Door Operator shall be both AUTOMATICALLY ACTIVATED and SELECTIVELY ACTIVATED.)]
- Operator shall have selectable latch boost to provide additional closing force to overcome conditions that may prevent door from latching.
- Unit shall have delay switches for motor activation, electric lock interfacing, and hold open time.
- Units shall interface with latch retraction exit devices or similar products and have 24VDC @ 1.3A maximum (less accessories) output for connection of electric strike, lock, radio frequency receiver, etc.
- Unit shall have a three-position Selector Mode Switch that will permit the unit to be switched “ON” to monitor for function inputs, switch to “H/O” for infinite hold open function or switched “OFF” which will disable function inputs allowing unit to be used as a manual door closer.
- Unit shall be U.L. Listed for automatic closing door.
- The Unit shall be adjustable to provide compliance with the requirements of the Americans with Disabilities Act (ADA). Unit shall be certified by BHMA to meet A156.19 requirements.
- Unit shall meet UL325/991, UL10C standards.

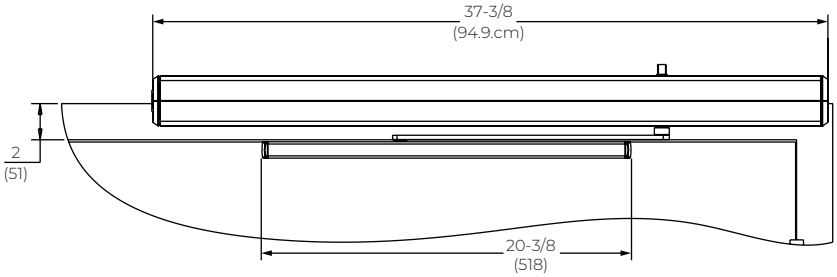
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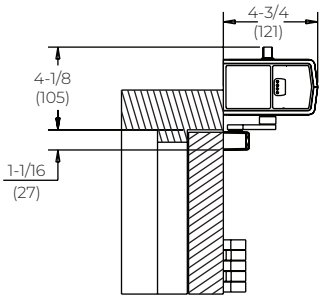
6200 SERIES
LOW ENERGY POWER OPERATORS

APPLICATIONS



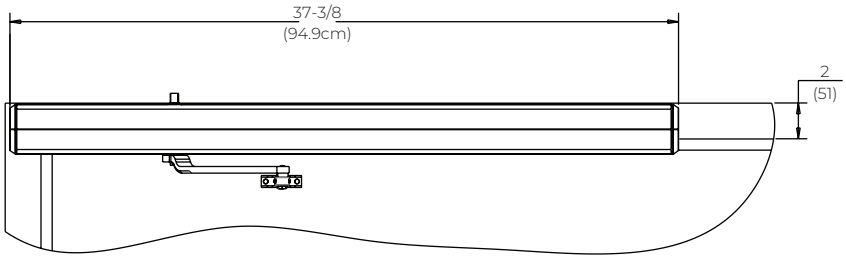
6211
HINGE (PULL) SIDE OF DOOR
RIGID ARM AND SLIDE TRACK

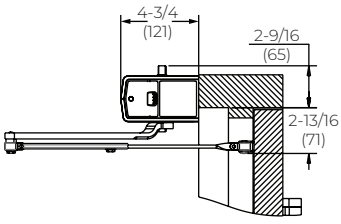






6231
LOW CEILING
STOP (PUSH) SIDE OF DOOR
STANDARD-DUTY DOUBLE LEVER ARM





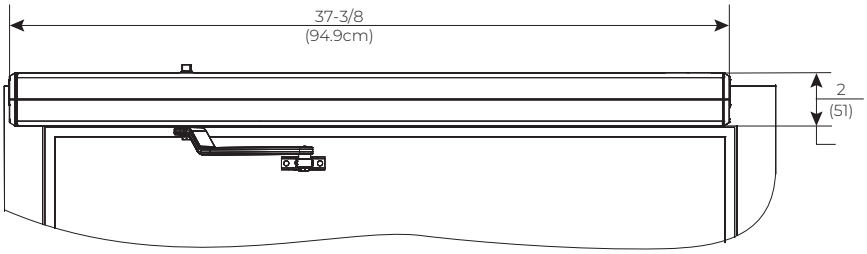
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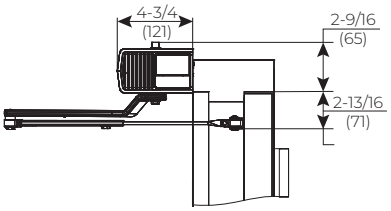
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6200 SERIES
LOW ENERGY POWER OPERATORS



6261
FLUSH MOUNT
STOP (PUSH) SIDE OF DOOR
STANDARD-DUTY DOUBLE LEVER ARM





6241 - UNIVERSAL UNIT
INCLUDES:
- Operator
- Cover
- Push and pull arms



operator

+



low ceiling, push arm ***(7701-1)***

+



pull arm ***(6210-1)***

6271 - UNIVERSAL UNIT
INCLUDES:
- Operator
- Cover
- Push and pull arms



operator

+



flush mount, push arm ***(5261-1)***

+



pull arm ***(6210-1)***

Dimensions are in inches/mm, unless noted.

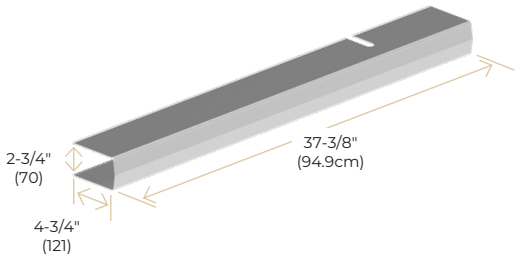
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6200 SERIES
LOW ENERGY POWER OPERATORS

TECHNICAL INFORMATION

Model	Door Opening	Reveal Range	Minimum Ceiling Clearance*	Frame Width	Door Width	Door Weight
6211	Up to 120°	1/8" (3)	2-1/4" (57) standard	Minimum 2" (51)	Minimum 36" (91.4cm) Maximum 48" (121.9cm)	200 lbs.
6231	Up to 130°	Max 3-1/4" (83)	5/8" (16) standard; 0" with field modification)			
6261			1-1/2" (38) standard			

*Based on units mounted on 2" (51) frame

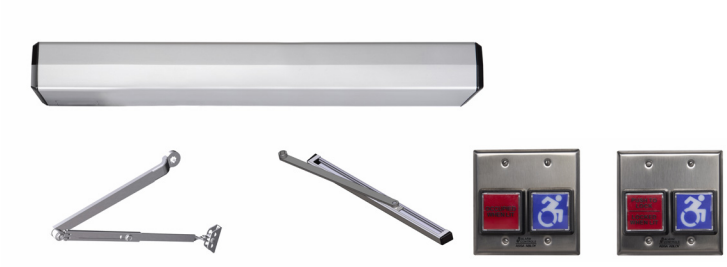


NOTES:
- For additional information, 6200 instruction sheets are available online.

KITS



6241R1
Kit includes:
- Operator
- Cover
- Push and Pull Arms
- 775 Single Gang Switches



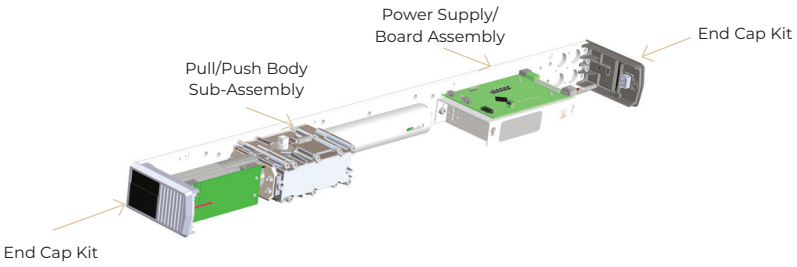
6241R2
Kit includes:
- Operator
- Cover
- Push and Pull Arms
- 776 Double Gang Switches

Dimensions are in inches/mm, unless noted.

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6200 SERIES
LOW ENERGY POWER OPERATORS

PARTS LIST



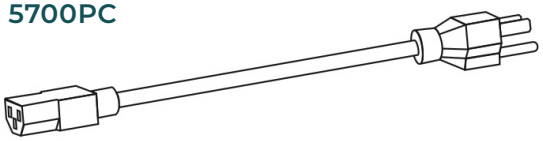
Parts

Part Number	Description
6200LAP	Pull/Push Body Sub-Assembly
6200CM	Power Supply / Board Assembly
6300CAB2	Cable Kit
6300COV2	Cover
6300COV2-CB	Cover with Conduit Bracket
6300DPS	Cover Plate

Miscellaneous Parts

Part Number	Description
6300END	End Cap Kit (included both end caps)
6300SP	Screw Pack
6300CB	Conduit Bracket/Power Input Package
6300CBPC	Power Cord Conduit Assembly Package

POWER CORD
5700PC



(125V / 10A RATED 18AWG 18 INCHES MAX., NEMA 5-15P AND IEC320-C13 CONNECTORS CORD MUST BE UL LISTED.)

ARM AND TRACK ASSEMBLIES



6210-1 Arm and Track Assembly
6210-1W Arm Assembly
7100-1T Track Assembly



7701-1 Low Ceiling, Push Arm Assembly
7701-1M Main Arm Assembly
7701-111 Secondary Arm Assembly



5261-1 Flush Mount, Push Arm Assembly

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6200 SERIES
LOW ENERGY POWER OPERATORS

HOW TO ORDER
Specify Model and Finish.

6231

If applicable, specify Options shown below

BSP

Note: For Radio Frequency Control, order 539 RF receiver separately.

MODEL OR KIT
See chart below

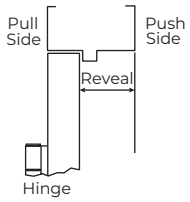
OPTIONS
CB - Conduit Bracket
PC - Power Cord

FINISHES

ANSI/BHMA (US)	Description
689 (US28)	Aluminum, painted
690 (US20)	Dark bronze, painted
BSP	Black suede powder coat
WSP	White suede powder coat

Model	Mounting		Arms		Reveals	Low Ceiling	Flush Mount
	Pull Side	Push Side	Rigid Arm & Slide Track	Double Lever Arm			
6211*	•		•		Max 1/8" (3)		
6231		•		•	Max 3-1/4" (83)	•	
6261		•		•			•
6241	•	•	•	•	See above	•	
6271	•	•	•	•			•

* Contact Technical Support department when door is hung on offset pivots.



Kit	Includes
6241R1	Operator Cover Push & pull arms 775 single gang switches
6241R2	Operator Cover Push & pull arms 776 double gang switches

Dimensions are in inches/mm, unless noted.

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5200 SERIES
LOW ENERGY POWER OPERATORS

INTRODUCTION

The Norton Rixson 5200 Series is an electromechanical low energy operator offering functionality and control at an affordable price. The 5200 Series converts interior, non-fire rated doors easily and affordably while providing a simple way to achieve touchless environments. Available for push or pull mounting, this unit can be operated manually or activated by wall switches, or radio frequency devices. Complete with NROS™ integrated wireless hot spot programming for easy installation and setup.



FEATURES

- Push and pull side mounting
- Non-handed
- Activated by push button, hands-free and RF devices
- Maximum door size: 200 lbs. at 48" wide
- Aesthetically pleasing, slim profile
- Modular design
- Adjustable opening force
- Adjustable closing power
- NROS™ integrated wireless hot spot
- 2 year limited warranty
- Power cord option



SUPERIOR USER EXPERIENCE

- Operator is a secure, password protected WiFi hot spot - no connection to building's IT required
- Simple setup; no app required
- View status and make adjustments without removing cover
- Built-in logic to support single use restroom applications - no external relay boards, logic modules, position switches required

SHARED PLATFORM

- Mix and match 6300, 6200 and 5200 Series throughout facility to maximize value to customer
- Shared aesthetics with 6300 and 6200 Series
- Modular installation - one-person install
- Easy set up and adjustments

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FUNCTIONS

- Adjustable Hold Open
  - Amount of time a door will stay in the full open position after an activation
- Infinite Hold Open
  - Door will hold open at set position until power is turned off
- Latch Assist
  - At closed position, after an activation, the door is pulled in
  - After the door has closed, the door is pulled in to assist with latch release/engagement
- Obstruction Detection
  - Open: door closes if it hits an obstruction while opening
  - Close: door will reverse to open position if it hits an obstruction while closing
  - Close (Selectable - stop on stall): door will stop once it hits an obstruction and will rest against the obstruction until removed
- Open Delay
  - Delays operator opening for locking hardware
- Outside Push Button Disable
  - When contact is closed, outside push button is disabled
- Power Close
  - Additional force to assist door closing between 7° and 2°
- Selector Mode Switch
  - Off - Disables signal inputs
  - On - Activates signal inputs
  - Hold Open - Activates the unit to the hold open position
- Executive
  - Units with Executive function (suffix EX) are pre-wired with 707 accessory kit
  - Includes integrated receiver and pre-programmed transmitters
  - With the door closed: pressing the center button on either remote will open the door to the preset "open" position and hold it there indefinitely
  - With the door open: pressing the center button on either remote will close the door to the preset "close" position

Single Use Restroom

- Occupancy Input
  - Disables inside and outside restroom switches
- Restroom Outside Switch
  - In unlocked state, activates operator
  - Disabled by occupancy input; resets to unlocked state when door is opened
- Restroom Inside Switch
  - Activates operator
  - Disabled by occupancy input, while occupancy input switch is closed

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5200 SERIES
LOW ENERGY POWER OPERATORS

ELECTRICAL DATA

- Power input 120 VAC, 3A, 60Hz
- Max current draw 1.5A
- Power output 24VDC @ 0.4A max draw

PATENTS

- assaabloydss.com/patents

CERTIFICATIONS

- ANSI/BHMA A156.19 certified BHMA CERTIFIED
- UL325/991 certified
- Complies with requirements for the Americans with Disabilities Act (A.D.A)
- Manufactured in an ISO 9001 and ISO 14001 certified facility

SPECIFICATIONS

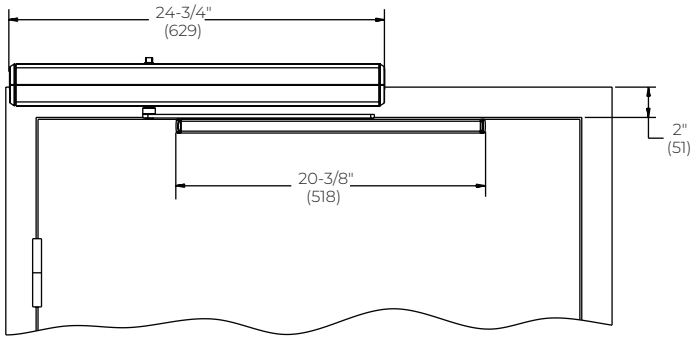
- Door Control (interior) (exterior) closing force shall be adjustable to ensure adequate closing control.
- Door Operator shall simulate conventional door closer opening and closing forces unless the power operator motor is activated.
- Door Operator shall have electronic backcheck to cushion the door speed if door is opened violently. (Door Operator shall be SELECTIVELY ACTIVATED by external initiating device, i.e. wall switch, etc.) (Door Operator shall be both AUTOMATICALLY ACTIVATED and SELECTIVELY ACTIVATED.)]
- Operator shall have selectable power close to provide additional closing force to overcome conditions that may prevent door from latching.
- Unit shall have delay switches for motor activation, electric lock interfacing, and hold open time. Units shall have 24VDC @ 0.4A maximum output for connection of electric strike, lock, radio frequency receiver, etc.
- Unit shall have a three-position Selector Mode Switch that will permit the unit to be switched “ON” to monitor for function inputs, switch to “H/O” for infinite hold open function or switched “OFF” which will disable function inputs allowing unit to be used as a manual door closer.
- Unit shall be U.L. Listed for automatic closing door.
- The Unit shall be adjustable to provide compliance with the requirements of the Americans with Disabilities Act (ADA).
- Unit shall be certified by BHMA to meet A156.19 requirements.
- Unit shall meet UL325/991 standards.

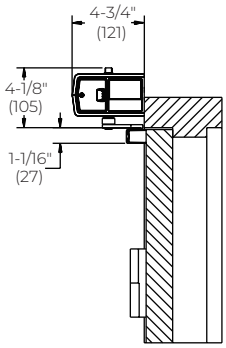
5200 SERIES
LOW ENERGY POWER OPERATORS

APPLICATIONS



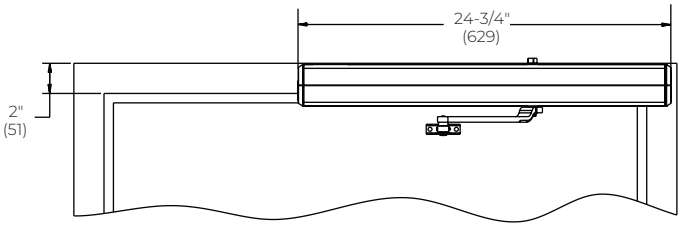
5211
HINGE (PULL) SIDE OF DOOR
RIGID ARM AND SLIDE TRACK

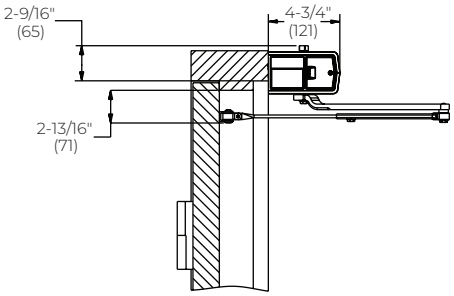






5231
LOW CEILING
STOP (PUSH) SIDE OF DOOR
STANDARD-DUTY DOUBLE LEVER ARM





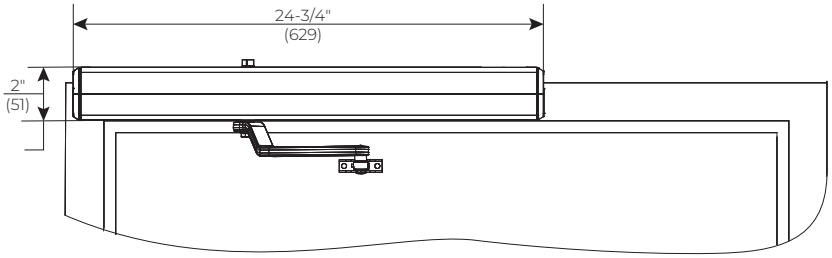
Dimensions are in inches/mm, unless noted.

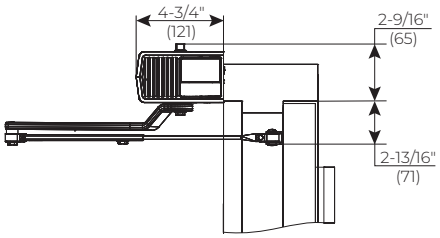
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5200 SERIES
LOW ENERGY POWER OPERATORS



5261
FLUSH MOUNT
STOP (PUSH) SIDE OF DOOR
STANDARD-DUTY DOUBLE LEVER ARM





5241 - UNIVERSAL UNIT
INCLUDES:
- Operator
- Cover
- Push and pull arms



operator

+



low ceiling, push arm ***(7701-1)***

+



pull arm ***(6210-1)***

5271 - UNIVERSAL UNIT
INCLUDES:
- Operator
- Cover
- Push and pull arms



operator

+



flush mount, push arm
(5261-1)

+



pull arm ***(6210-1)***

Dimensions are in inches/mm, unless noted.

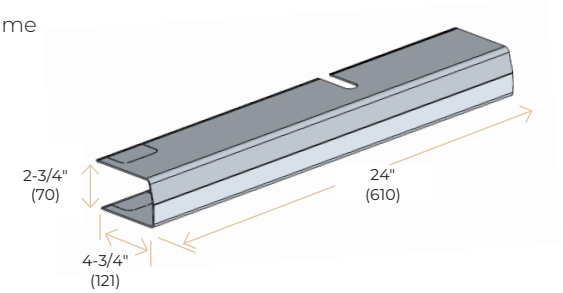
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5200 SERIES
LOW ENERGY POWER OPERATORS

TECHNICAL INFORMATION

Model	Door Opening	Reveal Range	Minimum Ceiling Clearance*	Frame Width	Door Width	Door Weight
5211	Up to 120°	1/8" (3)	2-1/4" (57) standard	Minimum 2" (51)	Minimum 36" (91.4cm) Maximum 48" (121.9cm)	200 lbs.
5231	Up to 130°	Max 3-1/4" (83)	5/8" (16) standard; 0" with field modification)			
5261			1-1/2" (38) standard			

*Based on units mounted on 2" (51) frame



NOTES:
- For additional information, 5200 instruction sheets are available online.

Dimensions are in inches/mm, unless noted.

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5200 SERIES
LOW ENERGY POWER OPERATORS

Restroom Kits



5241R1
Includes:
- Operator
- Cover
- Push and Pull Arms
- 775 Single Gang Switches

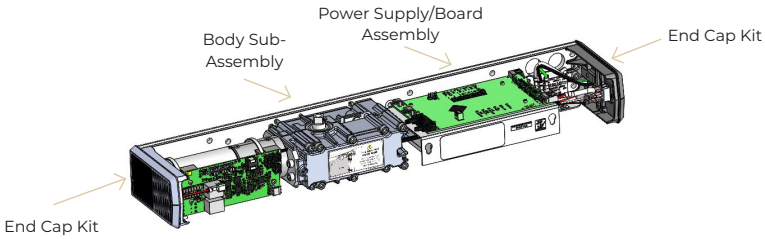


5241R2
Includes:
- Operator
- Cover
- Push and Pull Arms
- 776 Double Gang Switches

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LOW ENERGY POWER OPERATORS

PARTS LIST

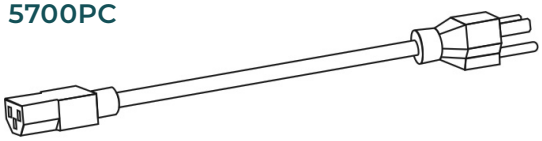


Parts

Part Number	Description
5200LAP	Push/Pull Body Sub-Assembly
6200CM	Power Supply/Board Assembly
5200CAB	Cable Kit
5200COV	Cover with Conduit Knockout
5200BP	Back Plate Package

Part Number	Description
5200END	End Cap Kit (includes both end caps)
6300CBPC	Power Cord Conduit Assembly
6300CB	Conduit Bracket/Power Input Package
6300SP	Screw Pack

POWER CORD 5700PC



(125V / 10A RATED 18AWG 18 INCHES MAX., NEMA 5-15P AND IEC320-C13 CONNECTORS CORD MUST BE UL LISTED.)

ARM AND TRACK ASSEMBLIES



6210-1 Arm and Track Assembly
6210-1W Arm Assembly
7100-1T Track Assembly



7701-1 Low Ceiling, Push Arm Assembly
7701-1M Main Arm Assembly
7701-111 Secondary Arm Assembly



5261-1 Flush Mount, Push Arm Assembly

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5200 SERIES
LOW ENERGY POWER OPERATORS

HOW TO ORDER

Specify Model or Kit and Finish.
Note: All transmitters (wall switches or key fob) must be ordered separately.

5261 → MODEL or KIT
See chart below

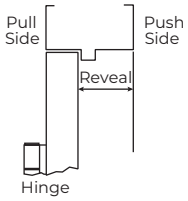
If applicable, specify Options shown below → OPTIONS
CB - Conduit Bracket
PC - Power Cord
EX - Executive

690 → FINISHES

ANSI/BHMA (US)	Description
689 (US28)	Aluminum, painted
690 (US20)	Dark bronze, painted
BSP	Black suede powder coat
WSP	White suede powder coat

Model	Mounting		Arms		Reveals	Low Ceiling	Flush Mount
	Pull Side	Push Side	Rigid Arm & Slide Track	Double Lever Arm			
5211*	•		•		Max 1/8" (3)		
5231		•		•	Max 3-1/4" (83)	•	
5261		•		•			•
5241	•	•	•	•	See above	•	
5271	•	•	•	•			•

Kit	Includes
5241R1	Operator Cover Push & pull arms 775 single gang switches
5241R2	Operator Cover Push & pull arms 776 double gang switches



* Consult Technical Support Department when door is hung on offset pivots

Dimensions are in inches/mm, unless noted.

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5800 SERIES

LOW ENERGY POWER OPERATORS

INTRODUCTION

As one of the world's only regenerative power door operators, Norton Rixson's 5800 Series is certified by GreenCircle® to reduce energy consumption by as much as 100 percent versus other comparable operators. Available in wireless and plug-in versions and able to fit in the tightest of spaces, the 5800 is simple to install and use.



FEATURES

- Regenerative drive or continuous duty operation
- Non-handed
- 95° door opening
- Maximum door weight: 250 lbs
- Push and pull side mounting
- Radio frequency stainless steel wall switches
- Integral RF receiver
- Shock absorbing arm
- 24VDC input port
- ADA1015P hardware kit
- Auxiliary activation input port
- Patented auto-tune feature
- 2 year limited warranty

HOW IT WORKS

How does the 5800 Series Pro work without electrical power?

The 5800 Series Pro is an extreme duty, low energy operator designed for moderate to high traffic manual opening applications that occasionally requires powered operation. A regenerative drive system charges an onboard battery pack eliminating the need for electrical power.

The 80/25 guidelines should be applied when ordering this operator. It is recommended that the 5800 Series Pro be used on a door that gets approximately 80 manual cycles or more per day and is used 25% or less automatically. When applied using the 80/25 guideline this operator will self-generate all the power it needs to keep its field replaceable, onboard, battery pack charged for up to 12 years and in some cases longer.

A fully charged battery has the capability to open a door up to 2000 times in a row, generously allowing for periodic fluctuations from 80/25 guidelines with little impact on the product's overall usability. Example: 30% automatic use for one day is not a problem, as long as that level of automatic use is not sustained.

The 5800 Series Pro can be used outside of the 80/25 parameters. Simply plug the unit into a common 110 VAC electrical outlet using our ADA1015P hardware kit option. The hardware kit is a low voltage plug in transformer and can be added to existing installed field units.

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5800 SERIES
LOW ENERGY POWER OPERATORS

FUNCTIONS

- Adjustable Hold Open
  - Amount of time a door will stay in the full open position after an activation
- Dynamic Braking
  - Braking or slowing of the door if excessive door speed occurs resulting from a wind load or an abusive open condition
- Emergency Interface Relay*
  - Door closes and ignores any activation input until signal is discontinued
- Executive Mode Feature
  - When door receives activation signal it opens and remains open until either a second signal is received or door is manually moved in closing direction
- Latch Assist
  - At closed position, after an activation, the door is pulled in
  - After the door has closed, the door is pulled in to assist with latch release/ engagement
- Obstruction Detection
  - Open - door closes if it hits an obstruction while opening
  - Close (Stop on Stall) - door will stop once it hits an obstruction and will rest against the obstruction until obstruction is removed
- On/Off Switch
  - Disables operator activation
- Open Delay*
  - Delays operator opening for locking hardware
- Outside Wall Switch Disable*
  - When contact is closed, outside wall switch is disabled
- Power Close
  - Additional force to assist door closing between 90° and 70° and 10° and 0°
- Push & Go
  - As the door is manually opened, the operator "senses" movement and opens door to the full-open position
- Single Relay Output*
  - Closes to indicate a valid activation

**Only available with Wireless Interface Module (WIM) ordered separately.*

CERTIFICATIONS

- ANSI/BHMA A156.19 certified
- ETL tested to UL/cUL 325 standard for automatic operators
- Complies with requirements for Americans with Disabilities Act (ADA)
- UL10C positive pressure 90 minute
- Manufactured in an ISO 9001 and ISO 14001 certified facility
- Verified by GreenCircle to offer these energy savings as compared to similar products:
  – 5800 Series (plug-in) – 91% efficiency
  – 5800 Series (wireless) – 100% efficiency

PATENTS

- assaabloydss.com/patents

5800 SERIES
LOW ENERGY POWER OPERATORS

SPECIFICATIONS

- Provide low energy automatic door operator complying with requirements of ANSI A156.19
- Provide an operator with adjustable opening and closing forces that meet the provisions of ANSI A117.1 and the Americans with Disabilities Act
- Provide an operator with a regenerative drive system which charges the on-board battery pack when unit is operated manually and which requires no external electrical power
- Provide an operator that can connect to ANY 24VDC power supply to keep an on-board battery pack fully charged eliminating the need for manual traffic charging. When used with 24VDC input the operator shall supply up to 2000 automatic operations upon loss of building power
- Provide an operator which has been verified by GreenCircle to offer these energy savings as compared to similar products:
  - 5800 Series (plug-in) – 91% efficiency
  - 5800 Series (wireless) – 100% efficiency
- Provide an operator which, upon installation, will determine door size and weight and automatically tune controller to operate within ANSI A156.19 and A117.1 standards. Operator shall also have the following adjustable functions:
  - Opening/closing speed
  - Hold-open time
  - Close check
  - Opening/closing force
- Provide operator with on-board diagnostics which will continually maintain control of door speed in wind or abusive environment conditions
- Provide operator that will continue closing door within ANSI A156.19 and 117.1 requirements without any external power supplied. Upon meeting an obstruction during the opening cycle the door shall remain under power for one second and then close under spring force; if the door meets an obstruction during closing, the door will maintain a closing force of 8 lbs or less
- Provide unit capable of operating doors up to 48" wide, weighing up to 250 lbs
- Provide unit that will operate in climates with temperatures above -40° F and has a two year warranty
- Provide operator with two stainless steel, jamb mounted, wall switch transmitters in choice of 1-3/4" x 4-3/4" narrow, 4-1/2" x 4-1/2" square styles, or 5-1/4" x 511/4" wave-to-open switch style, with required signage. Locate wall switches as directed by architect and within ANSI A156.19 and 117.1 guidelines
- Provide operator which utilizes a triangular hardened steel output shaft to connect arm with a two piece tapered coupling for superior slip resistance
- Provide operator and wall switch transmitter with circuit boards that have been specially coated to resist moisture and humidity making the electronics weather resistant
- Provide operator with integral heavy duty cast aluminum shock absorbing arm, which when fully extended is in full tension eliminating the need for an auxiliary door stop
- Provide operator with two architecturally finished covers and black powder coated frame, arms and mounting brackets
- Black (BHMA 693T)
- Aluminum (BHMA 689)
- Provide an operator incorporating “Push & Go” feature to allow door movement to activate door open cycle or recycle door (PRO PLUS only)
- Provide an operator incorporating “Power Close” feature to utilize the motor to close a door help open by wind, stack pressure or latchbolt (Models 5833, 5813 only)
- Provide an operator incorporating “Latch Assist” feature to apply pulsed power in the closing direction to assist in latching and unlatching of the door

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5800 SERIES
LOW ENERGY POWER OPERATORS

PRODUCT DESCRIPTIONS

PRO: MODELS 5831 (PUSH), 5811 (PULL)

- No electrical power required
- Moderate to high traffic, manual opening applications that occasionally require automatic operation
- Regenerative drive system charges an onboard battery pack
- Models 5831 and 5811 excel in applications where the traffic pattern allows for 80 door cycles per day, 25% of which are automatic and 75% of which are manual. These models require no electrical connection, no permit, no inspection, no wiring, and no low voltage license. The 5800 Series installs like a manual door closer in less than 1 hour.

PRO PLUS: MODELS 5833 (PUSH), 5813 (PULL)

- 24VDC powered - continuous automatic use
- Connects to ANY 24VDC power supply
- Commercial applications requiring Push & Go, Power Close, and Electric Lock Interface.
- Ideal for openings requiring continuous automatic use or automatic use more than 25% of the time

PRO COMPLETE: MODEL 5845 (PUSH AND PULL)

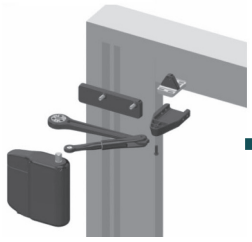
- Bundles all the configurations of the PRO and PRO PLUS models into one easy to stock package
- Right or left hand doors
- Push and pull side mounting hardware
- Black and aluminum finish covers
- Mounting hardware for virtually any door and frame
- 24VDC plug-in transformer kit for continuous automatic use applications

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5800 SERIES
LOW ENERGY POWER OPERATORS

KITS

Models 5831 x NPB (Push), 5811 x NPB (Pull)



Operator
Non-handed, push side mounting, parallel arm

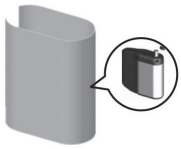


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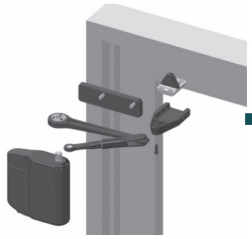
Wall switches with wireless (RF) transmitters
Narrow Style
or Square

OPTION:



Aluminum dress cover
Replaces standard black cover; operator frame and arm are always black finish

Models 5833 x SQPB (Push), 5813 x SQPB (Pull)





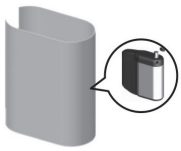
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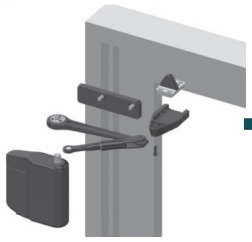


1015P hardware kit: 24VDC
Transformer

OPTION:

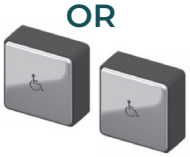


Models 5845 x NPB (Push & Pull), 5845 x SQPB (Push & Pull), 5845 x WTO (Push & Pull)





OR

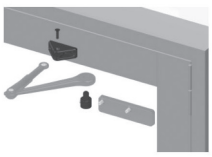


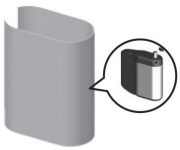
OR



Wave-to-Open switch







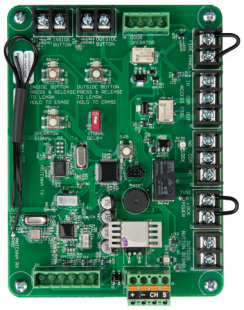
Pull side mounting hardware, regular arm

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WIRELESS INTERFACE MODULE (ADA1028W)

System Description:

The Wireless Interface Module (WIM) allows the 5800 door operator to interface to 5800 wired or wireless wall switches, wireless remote, an electric lock, fire panel, access control, and an outside wall switch disable contact. The WIM can be used with any 5800 model.



Mounting:

The WIM (4.25" W x 5.75" H) is designed to fit inside a power supply cabinet, using a supplied plastic mounting plate with double sided tape and fasteners.

Inputs:

- Power input: 24VDC
- Hardwire wall switches input: separate INSIDE and an OUTSIDE activation input
- Wireless wall switch input: separate INSIDE and an OUTSIDE RF activation input
- Handheld transmitter input: part # ADA1031 interface
- Operator connection cable: plug-in swing door cable connector interface
- Lock power: dry contact SPDT to power an electric lock
- Outside wall switch disable: privacy feature

Outputs:

- Wireless output: RF signal to activate operator
- Output contacts: SPDT dry contact output for AUX signal
- Lock contacts: SPDT dry contact output for LOCK
- Access control contacts: indicates valid unlock signal
- Signal delay timer: 1.5 second lock release delay
- Emergency interface relay (EIR): disables signal inputs

Codes/Listings:

- UL 325 standard for automatic operators
- FCC 47CFR 15C and RSS 210

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5800 SERIES
LOW ENERGY POWER OPERATORS

TECHNICAL INFORMATION

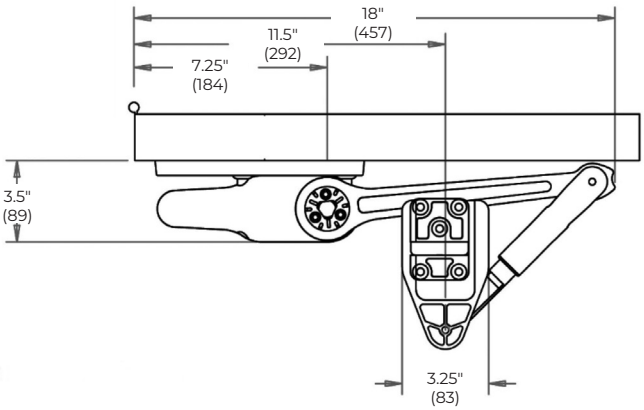
Push Side

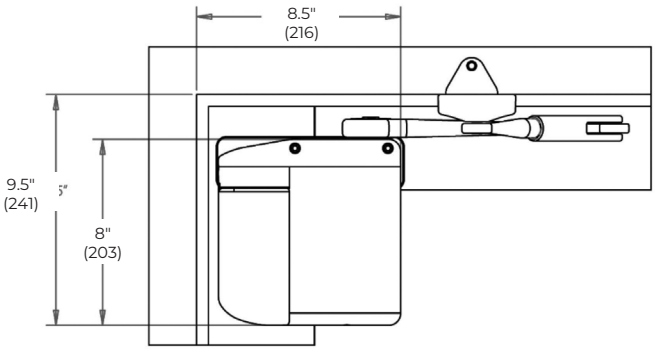


Push side mounting without electrical power



Push side mounting with ADA1015P hardware kit





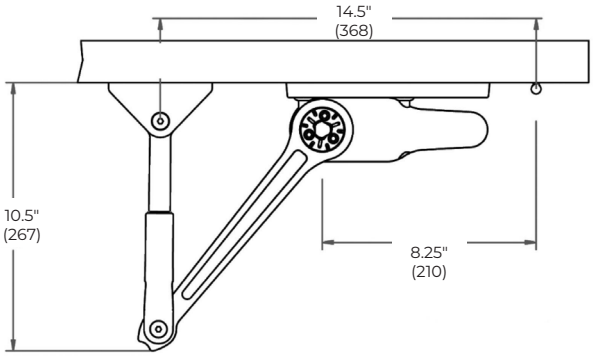
Pull Side

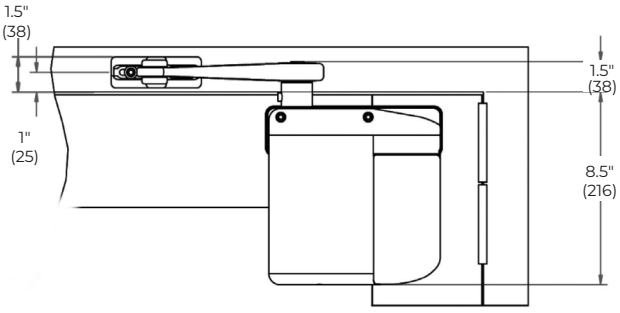


Pull side mounting without electrical power



Pull side mounting with ADA1015P hardware kit





All dimensions are approximate

NOTES:
- Maximum door width - 48" (122cm)
- Maximum door weight - 250 lbs.
- Dimensions are listed in inches/mm unless noted

Dimensions are in inches/mm, unless noted.

NORTON RIXSON
ASSA ABLOY

5800 SERIES
LOW ENERGY POWER OPERATORS

TRASH ROOM DOORS



Models 5839 and 5819 were designed to meet a New York City building code that required trash room doors be equipped with automated doors to make them more accessible to disabled persons. These models include an occupancy sensor to keep the door open while the room is in use and a power close feature to ensure the door closes and re-latches.

FEATURES

- Continuous duty operation
- Non-handed
- 95° door opening
- Push or pull side mounting
- Occupancy sensor
- Electric lock interface module
- Shock absorbing arm
- Black cover (standard); aluminum cover (optional)
- 24 VDC input port
- Built-in on/off switch
- Auxiliary activation input port

APPLICATIONS

- Trash rooms in high rise buildings

How to Order	Mounting
5839-NYW	Push
5819-NYW	Pull

INCLUDED IN PACKAGE*

- Operator
- Mounting hardware
- 24VDC 1 amp power supply
- Occupancy sensor
- Armored door cord
- (2) 1-3/4" surface mounted, stainless, hardwired wall switches
- 20 feet of operator power and signal wire

* Electric lock not included

BENEFITS

Easy to Install

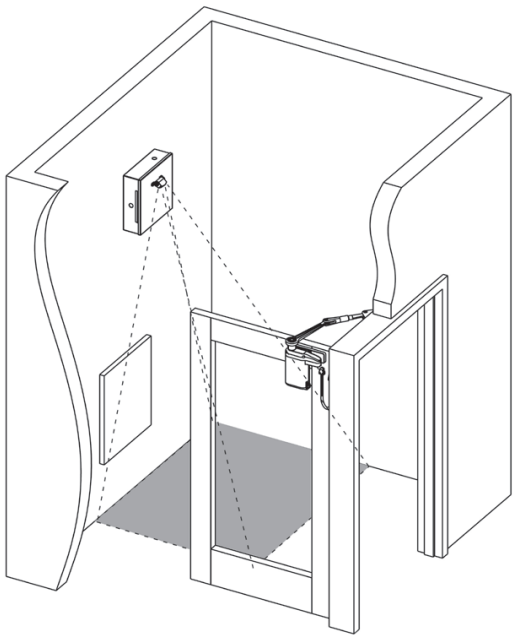
- Occupancy sensor keeps door open while room is in use
- Optional power close ensures consistent door latching

Flexible

- Controls doors up to 48” wide and 250 lbs in weight
- Acts like a manual door closer

Dependable

- Grade 1 - heavy-duty, commercial design
- Brushless DC motor/gearbox tested in excess of 10 million cycles
- Optional dynamic and back check braking for abusive environments

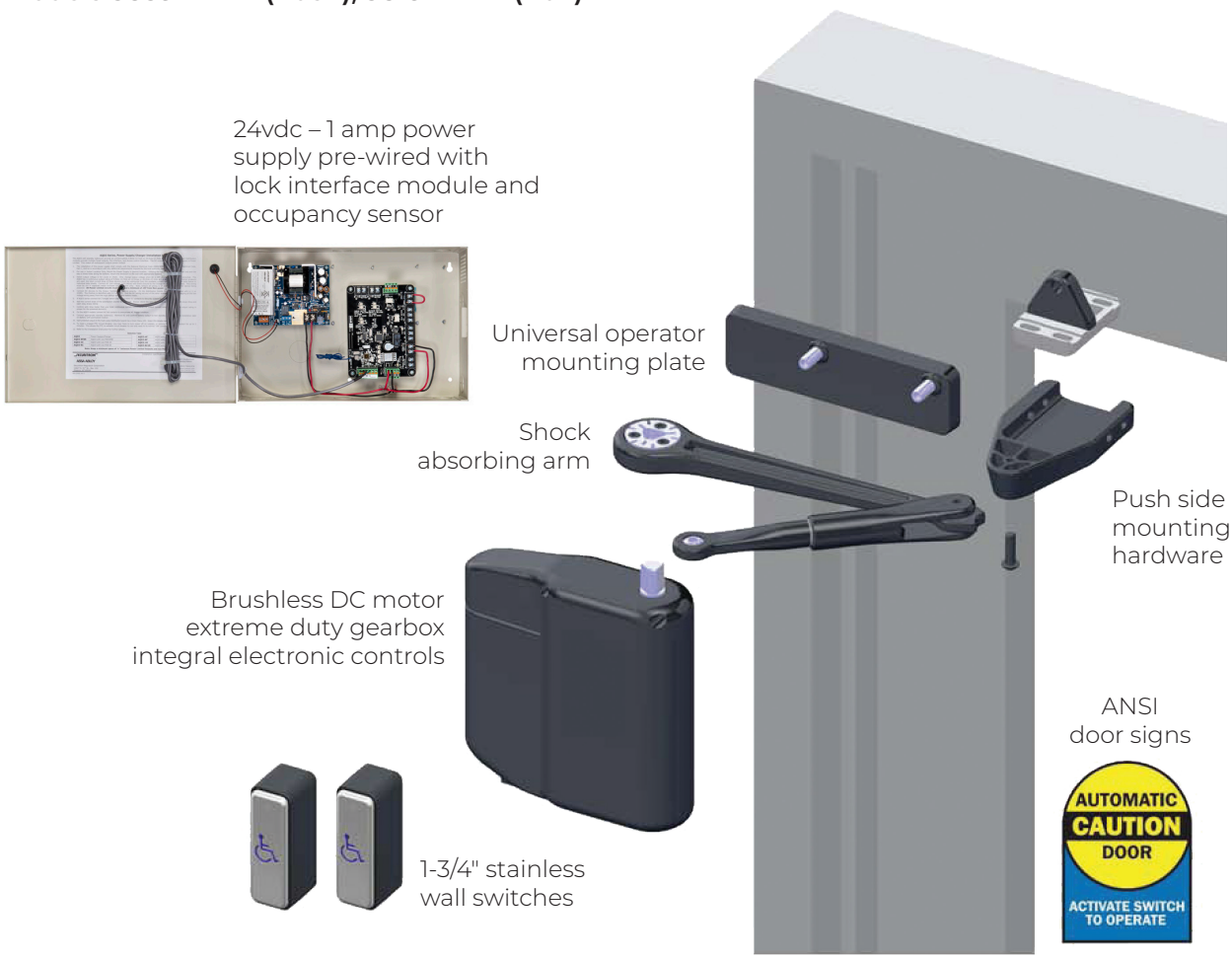


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5800 SERIES
LOW ENERGY POWER OPERATORS

KIT

Models 5839-NYW (Push), 5819-NYW (Pull)



AVAILABLE OPTIONS


Aluminum cover


Pull side mounting hardware

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5800 SERIES
LOW ENERGY POWER OPERATORS

PARTS



ADA1015P
Kit: transformer, armored door cord, end links 50' of low voltage cable, power port cnt.



ADA1007P
Battery assembly



ADA1001
Door arm assembly



ADA1002
Operator cover – black

ADA1004
Operator cover – aluminum



ADA1010P*
Operator body - ADAEZ PRO

ADA1010NY*
Operator body - NYC TRD

ADA1010E*
Operator body - Europe

** battery not included*



ADA1028W
Wireless Interface Module



ADA1005WP
Electronic control kit for Pro setup and PC board (white board)

ADA1005WN
Electronic controlkit for NYCTRD setup and PC board (white board)



ADA1022
Kit to convert SPDT switch to DPDT switch

Part #	Descritpion
ADA1009	Mounting hardware (includes rivetnut installation toolkit)
ADA1006	Operator mounting bracket with covers
ADA1023	External battery charger kit
ADA1025	Multi-purpose timer
ADA1026	Bottom cover with screws
ADA1031	Hand held remote control
ADA1031E	Hand held remote control (Europe)
ADA1021	Kit to convert to pull side
ADA1024	Kit to convert to push side
ADA1008	Wireless wall switch transmitter (circuit board only)
ADA1015C	Door cord WIM
ADA102SP	24VDC power supply, WIM, and mounted sensor

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5800 SERIES
LOW ENERGY POWER OPERATORS

HOW TO ORDER

Specify Kit and Finish.

5845 x WTO — **693T**

KIT

See chart below

FINISHES

ANSI/BHMA (US)	Description
693T	Black Textured
689	Aluminum

Kits		Mounting		Description					
		Push	Pull	Narrow Wall Switches	Square Wall Switches	Wave-to-Open Switch	1015 Hardwire Kit	Aluminum Dress Cover	Wireless Interface Module
PRO	5831 x NPB	•		•				Δ	Δ
	5811 x NPB		•	•				Δ	Δ
	5831 x SQPB	•			•			Δ	Δ
	5811 x SQPB		•		•			Δ	Δ
Pro Plus	5833 x NPB	•		•			•	Δ	Δ
	5813 x NPB		•	•			•	Δ	Δ
	5833 x SQPB	•			•		•	Δ	Δ
	5813 x SQPB		•		•		•	Δ	Δ
PRO Complete	5845 x NPB	•	•	•			•	•	Δ
	5845 x SQPB	•	•		•		•	•	Δ
	5845 x WTO	•	•			•	•	•	Δ
	5845 x WIM	•	•				•	•	•
Custom NYC-TRD	5839-NYW	•		•				Δ	•
	5819-NYW		•	•				Δ	•

Δ Optional
• Standard

Reference:
NPB - Narrow wall switches
SQPB - Square wall switches
LPB - Wall switch not included*
WTO - Wave-to-Open switches**
WIM - Wireless interface module**
(wall switches not included)

* Not available with NYC-TRD
** Only available for model 5845

Dimensions are in inches/mm, unless noted.

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4500 SERIES
LOW ENERGY POWER OPERATORS

INTRODUCTION

The 4500 Series is a compact, door mounted, electromechanical low energy operator. An integrated RF receiver, universal push/pull arm, and NROS™ integrated wireless hot spot user interface make this operator ideal for retrofit applications.



FEATURES

- Push and pull side mounting
- Non-handed
- Integrated RF receiver (900MHz)
- Maximum door size: 200 lbs. at 48" wide
- 90° Max opening
- NROS™ integrated wireless hot spot
- Powered by 120VAC plug in transformer
- 2 year limited warranty

SIMPLE UPGRADE

- Suits most existing door/frame conditions
- Activation switches included
- Ideal for challenging applications such as deep reveal, narrow doors, overhead obstructions

EASY TO INSTALL

- Installs like a door closer
- Minimal/no wiring required



*No connection to building's WiFi is required

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FUNCTIONS

- Hold Open
  - Amount of time a door will stay in the full open position after activation
- Manual Close Delay
  - Amount of time a door will pause before closing
- Infinite Hold Open
  - Pressing/holding WiFi button puts door into hold open. Hold open releases by pressing WiFi button again
- Latch Assist
  - At closed position, after an activation, the door is pulled in
  - After the door has closed, the door is pulled in to assist with latch release/engagement
- Latch Force
  - For doors that do not have a latch, a selectable force is applied to the door to hold it against the frame.
- Obstruction Detection
  - Open: door closes if it hits an obstruction while opening
  - Close: door will reverse to open position if it hits an obstruction while closing
  - After 3 obstructed closes in a row, door will lightly rest against the obstruction until removed
- Open Delay
  - Delays operator opening for locking hardware
- Outside Push Button Disable
  - When contact is closed, outside push button is disabled
- Power Close
  - Additional force to assist door closing

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4500 SERIES

LOW ENERGY POWER OPERATORS

ELECTRICAL DATA

- Power input 120 VAC, 60Hz
- Max current draw 1.3A
- Power output 24VDC @ 0.2A

PATENTS

- assaabloydss.com/patents

CERTIFICATIONS

- ANSI/BHMA A156.19 certified
- UL325/991 certified
- Complies with requirements for the Americans with Disabilities Act (A.D.A)
- Manufactured in an ISO 9001 and ISO 14001 certified facility

SPECIFICATIONS

- Door Control (interior) closing force shall be adjustable to ensure adequate closing control.
- Door Operator opening force and speed shall be adjustable to ensure adequate opening control per accessibility codes.
- Door Operator shall simulate conventional door closer opening and closing forces unless the power operator motor is activated.
- Door Operator shall have electronic backcheck to cushion the door speed if door is opened violently. (Door Operator shall be SELECTIVELY ACTIVATED by external initiating device, i.e. wall switch, etc.)
- Door operator shall have adjustable hold open time capability in the range from 5 to 30 seconds for automatic cycles and an adjustable hold open time in the range of 0.5 to 5 seconds for a manual cycle
- Operator shall have selectable power close to provide additional closing force to overcome conditions that may prevent door from latching.
- Unit shall have delay switches for motor activation, electric lock interfacing, and hold open time. Units shall have 24VDC @ 0.2A maximum output for connection of electric strike, lock, radio frequency receiver, etc.
- Unit shall be powered from included 110VAC wall plug
- Unit shall a button that will activate/deactivate WiFi hotspot on a single press and send a Hold Open activation on a 5 second press
- Unit shall be U.L. Listed for automatic closing door.
- The Unit shall be adjustable to provide compliance with the requirements of the Americans with Disabilities Act (ADA).
- Unit shall be certified by BHMA to meet A156.19 requirements.
- Unit shall meet UL325/991 standards.

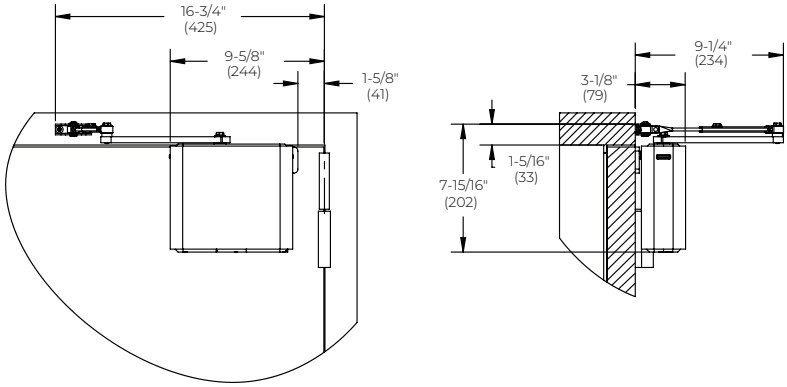
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4500 SERIES
LOW ENERGY POWER OPERATORS

APPLICATIONS

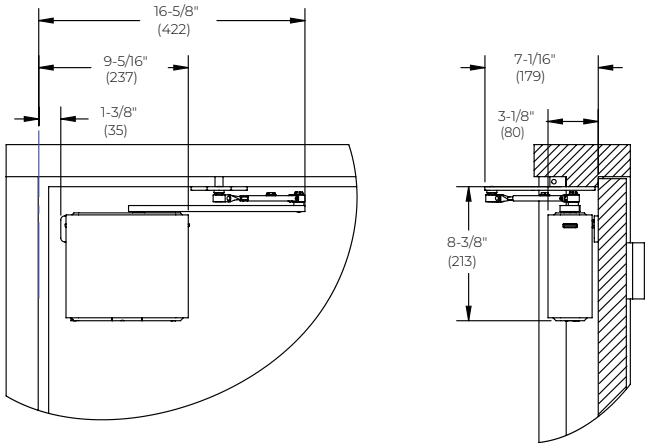


4540
HINGE (PULL) SIDE OF DOOR





4540
STOP (PUSH) SIDE OF DOOR



Dimensions are in inches/mm, unless noted.

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4500 SERIES
LOW ENERGY POWER OPERATORS

KITS

4540xWTO Includes:
Operator plus (2) 546 transmitters, (2) 767 switches and (2) 685 mounting boxes

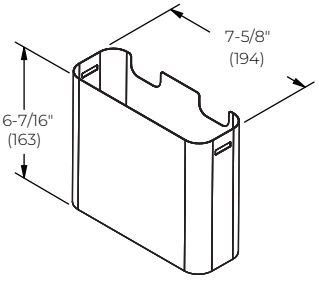


4540xSQPB Includes:
Operator plus (2) 546 transmitters, (2) 672 switches and (2) 686 mounting boxes



TECHNICAL INFORMATION

Mounting	Door Opening	Reveal Range	Frame Width	Door Width	Door Weight
Push Side	Up to 90°	Min 7/8" (22)	Minimum 1-3/8" (35)	Minimum 36" (91.4cm)	200 lbs.
Pull Side		1/16" (2)		Maximum 48" (121.9cm)	

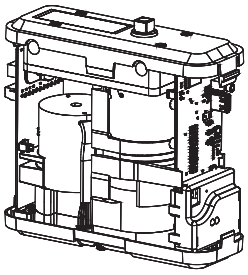


NOTES:
- For additional information, 4500 instruction sheets are available online.

Dimensions are in inches/mm, unless noted.

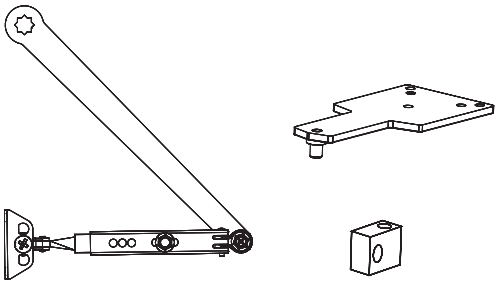
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PARTS LIST



Part Number	Description
4500LAP	Push or pull side sub-assembly
4501COV	Cover
4501MP	Mounting plate
4501PS	Power supply & end link
4501PCK	Door cord clip & cover locking bracket
4501SP	Screw pack
2019S	Spacer block

ARM ASSEMBLY



4501-1 (includes soffit plate and spacer block)

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4500 SERIES
LOW ENERGY POWER OPERATORS

HOW TO ORDER

Specify Kit and Finish.

4540 x WTO — **BSP**

MODEL or KIT

See chart below

Model	Includes
4540	Operator Cover Arm (push or pull mounting)

Kits	Include
4540xWTO	Operator Cover Arm (push or pull mounting) (2) 546 transmitters (2) 767 Wave-to-Open switches (2) 685 mounting boxes
4540xSQPB	Operator Cover Arm (push or pull mounting) (2) 546 transmitters (2) 672 Push to Open switches (2) 686 mounting boxes

Reference:
SQPB - Square Push Button
WTO - Wave-to-Open

FINISHES

ANSI/BHMA (US)	Description
689 (US28)	Aluminum, painted
690 (US20)	Dark bronze, painted
BSP	Black suede powder coat
WSP	White suede powder coat

Dimensions are in inches/mm, unless noted.

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ACTIVATING WALL SWITCHES

Available with	501, 502, 505, 506, 507, 531, 532, 533, 534, 535, 671, 672
6300 Series	✓
6200 Series	✓
6000 Series	✓
5700 Series	✓
5500 Series	✓
5200 Series	✓

Standard with	672*
4540xWTO	✓

**Two are shipped with operator*



501



502



671

671 and 672 switches meet new state accessibility logo requirements in NY, CA, and CT

- 4-1/2" W x 4-1/2" H
- 15 amp @ 125 VAC
- Flush mounted
- Fits single or 2 gang electrical box

Model	Description	Hard wired	RF (433MHz)
501	Press to Operate Door	✓	
502	Press to Open x logo	✓	
542	4-1/2" surface mount box		
671	Press to Open x alternative logo	✓	
672	Press to Open x alternative logo		✓



505



532



506



534

505, 506, 507 and 534 switches may also be installed with single or double gang electrical box using fasteners included.

Model 555 (6" square surface mount box) is included with 505, 507, 531 and 532 wall switches.

Model 557 (6" round surface mount box) is included with 506, 533, 534 and 535 wall switches.

- 6" W. x 6" H.
- 9 volt battery
- 15 amp @ 125 VAC
- Flush mounted
- Stainless steel with blue letters

Model	Description	Hard wired	RF (433MHz)
505	Square button: Push to Open x Logo	✓	
506	Round button: Push to Open x Logo	✓	
507	Square button: Push to Open	✓	
531	Square button: Push to Open x Logo		✓
532	Square button: Push to Open		✓
533	Round button: Push to Open x Logo		✓
534	Round button: Push to Open	✓	
535	Round button: Push to Open		✓

NOTES:
- Metal enclosures can reduce signal strength and cause an intermittent or reduced signal reception when using a radio frequency transmitter. To ensure proper function, do not use metal conduit housing.
- All hard wired switches are Momentary Contact SPDT, UL Listed.

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ACCESSORIES
LOW ENERGY POWER OPERATORS

VESTIBULE SWITCHES, TRANSMITTERS, RADIO FREQUENCY RECEIVER, EXECUTIVE PACKAGE

Available With	503, 504, 536, 537, 538, 539, 540, 546, 548, 578, 586, 707*
6300 Series	✓
6200 Series	✓
6000 Series	✓
5700 Series	✓
5500 Series	✓
5200 Series	✓

Standard with	546*
4540xSQPB	✓

**Two are shipped with operator*



503

VESTIBULE SWITCHES

- 1-1/2" x 4-3/4" face plate
- SPDT UL listed switch-mom
- 15 amp @ 125 VAC
- Fits 1-3/4" frame
- Stainless steel with blue letters
- 559 optional surface mount box



504

- 5" W x 4-3/4" H
- 2 – SPDT UL listed switches-mom
- 15 amp @ 125 VAC
- Fits 2-gang electrical box
- Stainless steel with blue letters
- 542 optional surface mounted box



536, 540



538, 578

HANDHELD TRANSMITTERS

- 536: one button, 538: two button (433 MHz)
- 540: one button, 578: two button (900 MHz)
- 539 or 537 receivers required. Sold separately.



537

RADIO FREQUENCY RECEIVERS

- 539: 433 MHz
- 537: 900 MHz



539



548



546



586

HARDWIRED TRANSMITTERS

- Convert existing hardwired push plates to work with appropriate RF receivers
- 548: 433 MHz, 546: 900 MHz (battery included)
- 586 transmitter converts existing wired push plates to work with touchless devices
- 539 or 537 receivers required. Sold separately.



707

Includes pre-wired receiver and two remote transmitters

NOTES:
- Metal enclosures can reduce signal strength and cause an intermittent or reduced signal reception when using a radio frequency transmitter. To ensure proper function, do not use metal conduit housing.
- All hard wired switches are Momentary Contact SPDT, UL Listed.

* 5200 with EX suffix includes a preinstalled 707 package.

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ACCESSORIES
LOW ENERGY POWER OPERATORS

WALL SWITCH KITS, OPERATIONAL SIGNAGE

Available With	564, 565, 679, 767K1, 767K2
6300 Series	✓
6200 Series	✓
6000 Series	✓
5700 Series	✓
5500 Series	✓
5200 Series	✓

WALL SWITCH KITS



564

INCLUDES
- ADA1019-1 wall switch
- 548 transmitter (with 9 volt battery)
- 539 receiver



565

INCLUDES
- (2) ADA1019-1 wall switches
- (2) 548 transmitters (with 9 volt batteries)
- 539 receiver



767K1

INCLUDES
- (1) 767 wall switch
- (1) 546 transmitter
- (1) 537 receiver



767K2

INCLUDES
- (2) 767 wall switches
- (2) 546 transmitters
- (1) 537 receiver

679 SIGNAGE KIT (SUPPLIED STANDARD)



(1 per switch)



(1 per switch)



(2 per operator)

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ACCESSORIES
LOW ENERGY POWER OPERATORS

RESTROOM KIT

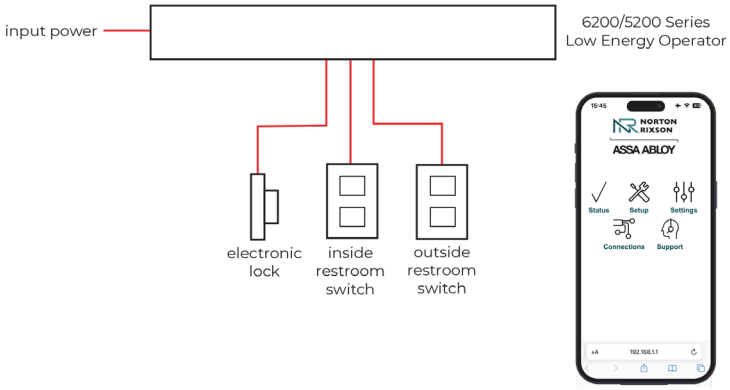
Available With	775*, 776*
6200 Series	✓
5200 Series	✓



775



776



* 5200 with R1 suffix includes the 775 Kit; R2 suffix includes the 776 Kit.

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ACCESSORIES
LOW ENERGY POWER OPERATORS

WAVE-TO-OPEN SWITCHES

Available With	673, 674, 700, 704, 767, 768
6300 Series	✓
6200 Series	✓
6000 Series	✓
5800 Series	✓
5700 Series	✓
5500 Series	✓
5200 Series	✓

Standard with	767*
4540xSQPB	✓

**Two are shipped with operator*

WAVE-TO-OPEN WALL SWITCHES



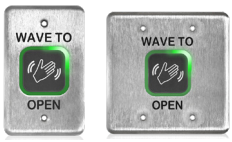
700

- Infrared technology
- Single and double gang faceplates packaged together
- Sensor requires movement for activation
- Variable relay – hold time from 0 – 35 seconds
- Range 0" to 4"
- Dimensions:
  3" W x 4-3/4" H (single);
  4-1/2" W x 4-1/2" H (double)



704

- Infrared technology
- Narrow gang
- Sensor requires movement for activation
- Variable relay - hold time from 0-35 seconds
- Range 0" to 4"
- Durable stainless steel body holds up in moist environments



673 **674**

- Microwave technology
- Stainless steel
- Adjustable sensing zone from 4"-24"
- Adjustable hold time (1/2 to 30 seconds)
- 673: Single gang
- 674: Double gang
- Surface mounting boxes:
  – 685: Single
  – 686: Double



685 **686**



767 **768**

- Battery operated
- Infrared sensors
- 767: Single gang
- 768: Double gang
- Stainless steel with vandal resistant face plate
- Sensor detection range up to 4"
- Field-configurable bi-color (red/green) LED status indicators
- Selectable time delay 1 to 10 seconds

NOTES:
- Metal enclosures can reduce signal strength and cause an intermittent or reduced signal reception when using a radio frequency transmitter. To ensure proper function, do not use metal conduit housing.
- Bright light like direct sunlight can interfere with the wave-to-open signal.

NORTON RIXSON
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ACCESSORIES
LOW ENERGY POWER OPERATORS

PUSH PLATE, SWITCH POST, MOTION SENSOR

Available With	500, 530, 638, 639, 663
6300 Series	✓
6200 Series	✓
6000 Series	✓
5700 Series	✓
5500 Series	✓

SWITCH POST



500

- 4" x 6" x 40" x 3/16" wall thickness
- 9 volt battery
- RF temperature range: -4° F to 122° F
- 689 (aluminum) or 690 (dark bronze) finishes
- Standard formed plastic cap
- Surface mounted (above ground)
- 530 - radio frequency transmitter
- 500 - hard wired switch
- 530POST - post only; switch not included

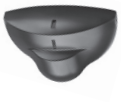
LOW PROFILE PUSH PLATE



638

- 36" x 6" activation zone
- 1" low profile depth
- Stainless steel face plate
- Adapts to either wireless or hard wired installations
- 638 - Wireless
- 639 - Hard wired

MOTION SENSOR



663*

- 4-3/4" x 3-3/16" x 2" projection
- Unidirectional
- Black cover
- SPDT relay
- Adjustable angle pattern
- 24 VDC input
- Must not be placed where motion of door can be sensed

PRESENCE DETECTOR, SENSORS

Available With	523	585	596
6300 Series	✓	✓	✓
6200 Series	✓		✓
6000 Series	✓	✓	✓

SAFETY SENSOR



523

- Door mounted
- Covers the entire face of a single door
- 5-1/2" W x 3-1/3" H x 1" D

PRESENCE DETECTOR



585

- Diffused active infrared technology
- 11.8" l x 1.9" H x 1.9" W
- Black anodized aluminum
- 9'x0" maximum mounting height
- Supply voltage: 24VAC/DC

SENSOR



596

- Active infrared safety sensor
- Detection range 0-8'
- 36", 42" or 48" width (specify when ordering)
- 8' x 0" maximum mounting height

*Use of motion sensor must be approved by local authority having jurisdiction.

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ACCESSORIES

LOW ENERGY POWER OPERATORS

ACTIVATING WALL SWITCHES, DECALS

Available with	ADA1019-1, ADA1019-3, ADA1012-1	ADA1019-2, ADA1019-4, ADA1012-2, ADA1014
6300 Series	✓	
6200 Series	✓	
6000 Series	✓	
5800 Series	✓	✓
5700 Series	✓	
5500 Series	✓	
5200 Series	✓	
4500 Series	✓	



ADA1019-1:
4-1/2" square wall switch assembly

ADA1019-2
4-1/2" square wall switch assembly with RF transmitter

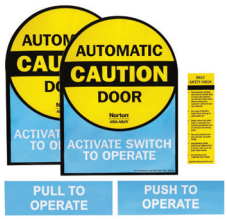
ADA1019-3
4-1/2" square wall switch assembly with DPDT switch

ADA1019-4
4-1/2" square wall switch assembly with DPDT switch with RF transmitter



ADA1012-1
1-3/4" wall switch assembly

ADA1012-2
1-3/4" wall switch assembly with RF transmitter



ADA1014
Decal pack

NORTON RIXSON
ASSA ABLOY

PRODUCT COMPARISON

LOW ENERGY POWER OPERATORS

FEATURES	FRAME-MOUNTED ELECTROHYDRAULIC			FRAME-MOUNTED ELECTROMECHANICAL			DOOR-MOUNTED ELECTROMECHANICAL	
	6000	5700	5500	6300	6200	5200	5800	4500
Use on exterior doors	✓	✓	✓	✓	✓		✓	
Integrated power supply for accessories	✓	✓		✓			✓	
Mobile setup	✓			✓	✓	✓		✓
NROS WiFi interface setup	✓			✓	✓	✓		✓
Warranty	2 yrs							
Power supply included	✓	✓		✓	✓	✓	✓	✓
Optional power cord		✓		✓	✓	✓	Standard[1]	Standard
Price	$$$	$$	$	$$$	$$	$	$$$	$
FUNCTIONS								
Blow open for smoke ventilation	✓			✓				
Dynamic braking				✓	✓	✓	✓	✓
Emergency interface relay (fire panel input)				✓	✓		✓ (with WIM)	
Executive mode	✓			✓	✓	✓	✓	✓
Infinite hold open	✓			✓	✓	✓	✓[2]	✓
Latch assist				✓	✓	✓	✓	✓
Obstruction detection	Open/Close	Open	Open	Open/Close	Open/Close	Open/Close	Open	Open/Close
Open delay	✓	✓	✓	✓	✓	✓	✓ (with WIM)	✓
Outside wall switch disable				✓	✓	✓	✓ (with WIM)	✓
Overload safety shut-off	✓	✓	✓	✓	✓	✓		✓
Power assist				✓	NA	NA		NA
Power close				✓	✓	✓	✓[1]	✓
Power switch		✓	✓				✓	
Presence detector input	✓			✓	✓			
Push & Go	✓			✓	✓	NA	✓[1]	NA
Vestibule delay	✓			✓				
SPECIFICATIONS								
Maximum door weight	250 lbs	250 lbs	250 lbs	250 lbs	200 lbs	200 lbs	250 lbs	200 lbs
Maximum power draw	120VAC 0.9A	120VAC 0.6A	120VAC 0.6A	120VAC 3.0A	120VAC 2.5A	120VAC 2.5A	120VAC 0.6A	120VAC 1.3A
Accessories power	24VDC 1.3A	24VDC 1.1A	N/A	24VDC 1.3A	24VDC 0.4A	24VDC 0.4A	N/A	24VDC 0.4A
REGULATORY								
ADA	✓	✓	✓	✓	✓	✓	✓	✓
BHMA certified to A156.19	✓	✓	✓	✓	✓	✓	✓	✓
UL10C positive pressure requirements	✓[4]	✓	✓	✓	✓		✓[5]	
Conforms to ANSI/UL 325	✓ (ETL)	✓ (UL)	✓ (UL)	✓ (UL)	✓ (UL)	✓ (UL)	✓ (ETL)	✓ (ETL)

[1] PRO Plus only
[2] Auxiliary switch required
[3] Sold separately
[4] Push (3-hour), pull (90 min)
[5] 90 minute
[6] Sold separately

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NOTES

LOW ENERGY POWER OPERATORS

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