

Full-featured operator with slim profile
for moderate to high traffic applications

6300 S E R I E S

LOW ENERGY OPERATOR

CATALOG

Norton[®]

ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions

INTRODUCTION

The Norton 6300 Series Low Energy Operator offers a broad set of intelligent functions, such as latch boost, latch retraction 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 and simple controls also make for easy installation and setup.



FEATURES

- » Push and pull side mounting
- » Non-handed
- » Activated by push button, hands-free and RF devices
- » Door size: single or double doors min width 36", max width 48", max weight 200 lbs.
- » Power assist
- » Push and go (selectable)
- » Obstruction detection (open and close)
- » Aesthetically pleasing, slim profile
- » Modular design
- » Latch assist feature for enhanced security
- » Latch boost
- » Selectable mode switch (off, on, hold open)
- » Adjustable opening force
- » Adjustable closing power
- » Blow open and blow close for smoke ventilation
- » 2 year limited warranty

SMART

- » Latch boost ensures door closes to secure facility
- » Occupant safety enhanced by obstruction detection, power assist, and push and go functions
- » Inputs available for security override and fire safety

SIMPLE

- » Modular, four-piece design allows for one-person installation
- » Heavy-duty back plate serves as template simplifying and speeding installation
- » Unit learns door properties (approximate weight) during installation for easy programming and set-up
- » Easy to use controls simplify setup
- » USB port allows for quick software updates

GOOD LOOKING

- » Unique design with slim profile blends seamlessly with frame
- » Low profile easily fits applications with minimal header space

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FUNCTIONS

- » 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
- » Push and Go (selectable)
 - › As the door is manually opened, the operator “senses” movement and opens door to the full-open position
- » 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
- » Motor Startup Delay
 - › Delays operator opening for locking hardware
- » Infinite Hold Open
 - › Door will hold open at set position until power is turned off
- » Latch Boost (Selectable)
 - › Additional closing force to overcome conditions that might otherwise prevent the door from latching (ex: weather stripping, stack pressure)
- » Selector mode switch (3 position)
 - › Off - door functions as a standard door closer
 - › On - door functions as an automatic low energy operator
 - › Hold Open - activates the unit to the hold open position

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 and 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.

ELECTRICAL DATA

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

CERTIFICATIONS

- » ANSI/BHMA A156.19 certified **BHMA CERTIFIED**
- » UL325/991 certified
- » UL10C listed for positive pressure fire test
- » Complies with requirements for the Americans with Disabilities Act (A.D.A)
- » Manufactured in an ISO 9001 and ISO 14001 certified facility

APPLICATIONS



6310
HINGE (PULL) SIDE OF DOOR
RIGID ARM AND SLIDE TRACK



6330
STOP (PUSH) SIDE OF DOOR
STANDARD-DUTY DOUBLE LEVER ARM



6350
DOUBLE EGRESS ARM (PULL) SIDE OF DOOR

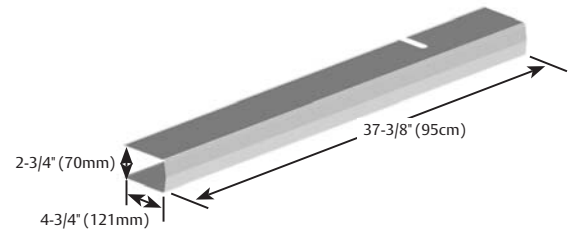
Series	Door Opening	Reveal Range	Frame Width	Door Width (Single or Double Doors)	Door Weight
6310	Up to 180°	1/8" maximum	Minimum 2"	Minimum 36"; maximum 48"	Maximum 200 lbs.
6330	110° to 135° degrees (depending on reveal)	1/8" to 6-3/4" reveals	Minimum 2"	Minimum 36"; maximum 48"	Maximum 200 lbs.
6340	Reference 6310 or 6330 specifications.				
6350	Up to 130°	1/8" to 2 3/4" reveals	Minimum 2"	Minimum 36"; maximum 48"	Maximum 200 lbs.

6300 SERIES

LOW ENERGY POWER OPERATOR

Dimensional Information:

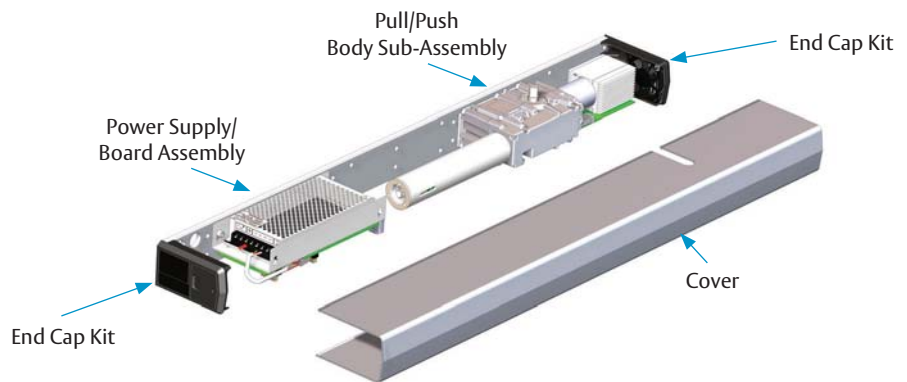
- » Minimum Top Rail:
 - › 6310 (pull): 1-1/8"
 - › 6330 (push): 2-1/4"
 - › 6350 (pull): 1-1/2"
- » Minimum Ceiling Clearance (based on units mounted on 2" frame):
 - › 6310 (pull): 2-1/4" standard; 1-1/2" with field modification (consult factory)
 - › 6330 (push): 5/8" standard; 0" with field modification (consult factory)
 - › 6350 (pull): 2-1/4" standard, 1-1/2" with field modification (consult factory)



Notes:

- › For additional information, the 6300 Series Instruction Manual is available online.
- › Contact factory if door weight exceeds 200 lbs.

PARTS LIST



Unit Sub-Assembly

Part Number	Description
6300LAP	Pull/Push Body Sub-Assembly
6300CM	Power Supply / Board Assembly
6300CAB	Cable Kit

Miscellaneous Parts

Part Number	Description
6300END	End Cap Kit (includes both end caps)
6300SP	Screw Pack
6300COV	Cover

ARM AND TRACK ASSEMBLIES



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



- 6330-1 Arm Assembly
- 6330-1W Main Arm & Rod
- 6620-12 Adjusting Tube & Shoe



- 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

OPERATIONAL SIGNAGE

679 Signage Kit (supplied standard)



(1 per switch)



(1 per switch)



(2 per operator)

ACCESSORIES



663*

Motion Sensor

- » 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



500 & 530

Switch Post

- » 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; specify when ordering
- » Standard formed plastic cap
- » Surface mounted (above ground)
- » 530 – radio frequency transmitter
- » 500 – hard wired switch
- » 530POST – post only; switch not included



585

Presence Detector

- » 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

EXECUTIVE PACKAGE



5900EXPG

(includes receiver 539 and transmitter 536)



Radio Frequency Receiver 539

- » 433 MHz

539



536

Transmitters

- » 2-3/8"w x 4-3/16"h x 15/16"d
- » Single channel



538

- » 2-3/8"w x 4-3/16"h x 15-16"d
- » Two channel



548

- » Converts existing hard wired push plates to work with RF receivers offered after June 2013
- » Single channel
- » 9 volt

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

^ Provides auxilliary contacts for latch retraction (exit devices). Consult Norton Technical Product Support.

ACCESSORIES



501 502

Activating Door Switches

- » 4-1/2" W. x 4-1/2" H.
- » 15 amp @ 125 VAC
- » Flush mounted – hard wired
- » Fits single or 2 gang electrical box
- » 501 – Stainless steel with black letters
- » 502 – Blue powder coat with white letters
- » Specify #542 to order surface mount box for 501 or 502 switch



504

Vestibule Switches

- » 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



505, 531 507, 532

Activating Door Switches

- » 6" W. x 6" H.
- » 9 volt battery
- » 15 amp @ 125 VAC
- » Flush mounted
- » Stainless steel with blue letters
- » 531, 532, 533 and 535 radio frequency (433MHz). Used with RF option and 539. Supplied with surface mount boxes.
- » 507, 505, 506 and 534 hard wired*. Surface mounted boxes are not supplied. If required, specify:
555 - 6" square surface mount box
557 - 6" round surface mount box



506, 533 534, 535



700

Wave-to-Open Wall Switch

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

Low Profile Push Plate

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



638, 639

* Switches may also be installed with single or double gang electrical box using fasteners included.

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

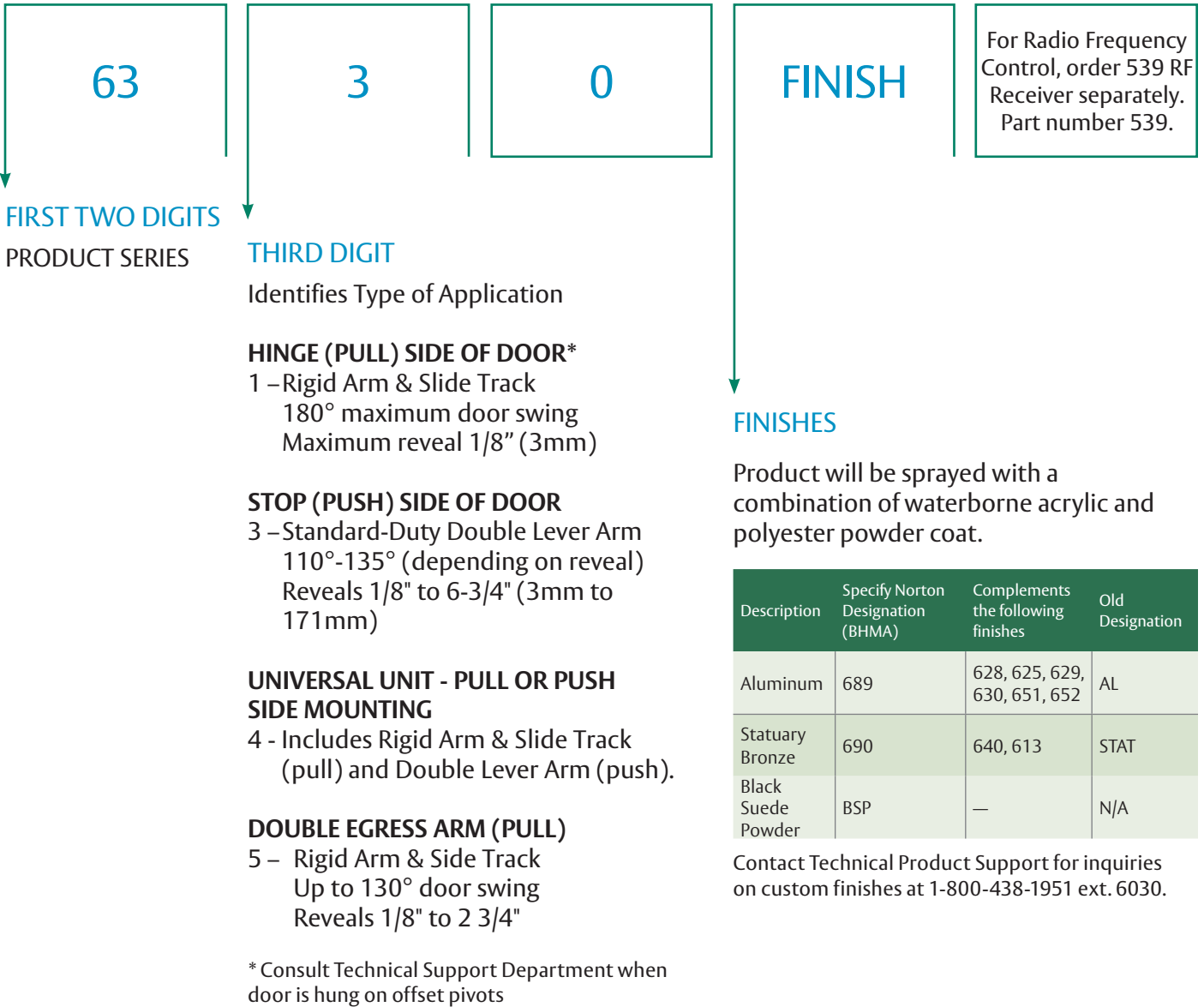


503

All hard wired switches are Momentary Contact SPDT, UL Listed. Optional DPDT switches are available; suffix "D" to model number.

HOW TO ORDER

Note: All transmitters (door switches or key fob) must be ordered separately.



ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

Since 1880, Norton door controls have been an integral part of schools, hospitals and businesses around the globe. When you need products and people that perform at the highest level, rely on Norton – From Open to Close.

Norton Door Controls | www.nortondoорcontrols.com

3000 Highway 74 East | Monroe, NC 28112 | Tel: 1-877-974-2255 | Fax: 1-800-338-0965

ASSA ABLOY Door Security Solutions Canada | www.assaabloydss.ca

160 Four Valley Drive | Vaughan, Ontario, L4K 4T9 Canada | Tel: 800-461-3007 | Fax: 1-800-461-8989

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