



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

# 6300 S E R I E S

LOW ENERGY OPERATOR

CATALOG

**Norton**<sup>®</sup>

**ASSA ABLOY**

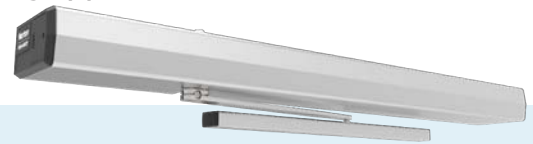
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## INTRODUCTION

The Norton 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 new wifi interface via a mobile device 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: min width 36", max width 48", max weight 200 lbs.
- » Aesthetically pleasing, slim profile
- » Modular design
- » Adjustable opening force
- » Adjustable closing power
- » LCD Screen
- » Wifi Interface
- » 2 year limited warranty



### SMART

- » Latch assist ensures door closes to secure facility
- » Occupant safety enhanced by obstruction detection, power assist, and push and go functions
- » Customizable inputs and outputs for accessories, including security override and fire safety.

### SIMPLE

- » Modular 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
- » Easy setup via a mobile device
- » 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

- » 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 Push Button Disable
  - › When contact is closed, outside push button 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 push button 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, 3A, 60Hz
- » Current draw 1.5A
- » Power output 24VDC @ 1.3A max draw (less accessories)

### CERTIFICATIONS

- » ANSI/BHMA A156.19 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
- » UL certified environmental product declaration
- » GreenCircle certified environmental facts



### 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.

**6300 SERIES**  
LOW ENERGY POWER OPERATOR

**APPLICATIONS**

**6311 Shown**

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



**6352 Shown**

DOUBLE EGRESS ARM (PULL) SIDE OF DOOR



**6332 Shown**

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



**6341, 6342 - UNIVERSAL UNITS**

**INCLUDE:**

- » Operator
- » Cover
- » Push and pull arms



operator



push arm (6330-1)

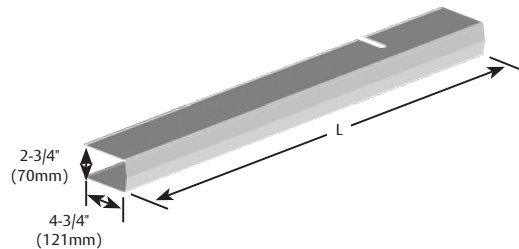


pull arm (6310-1)



### PRODUCT COMPARISON

Model	Mounting		Arms			Overall Length (L)	Compatible with 585 Presence Detector	Cover spans full frame (36" door only)	Can be used on a pair of 36" doors
	Pull Side	Push Side	Rigid Arm & Slide Track	Double Lever	Double Egress				
6311	•		•			37-3/8"	Yes	No	Yes
6331		•		•					
6341	•	•	•	•					
6351	•				•				
6312	•		•			39-5/8"		Yes	No
6332		•		•					
6342	•	•	•	•					
6352	•				•				



### 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"	1-1/8"	2-1/4" standard; 1-1/2" with field modification^	Minimum 2"	Minimum 36" Maximum 48"	200 lbs
6331 6332	110° to 135° (depending on reveal)	1/8" to 6-3/4"	2-1/4"	5/8" standard; 0" with field modification^			
6341 6342	Refer to 6311/6312 or 6331/6332 information						
6351 6352	Up to 130°	1/8" to 2-3/4"	1-1/2"	2-1/4" standard; 1-1/2" with field modification^			

\*Based on units mounted on 2" frame

^Consult factory

Notes:

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

### 6300 SERIES LOW ENERGY POWER OPERATOR

#### 6300 KITS

##### Hands-Free Kits



**6341K2** (37-3/8")

**6342K2** (39-5/8")

- » Kit includes: Operator, Cover, Push & Pull Arms, and (2) 700 Wave-to-Open Switches

##### ADA Kits

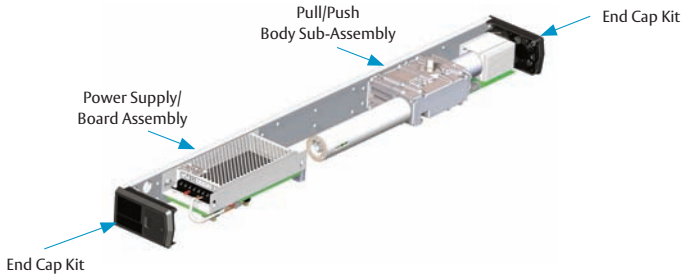


**6341K3** (37-3/8")

**6342K3** (39-5/8")

- » Kit includes: Operator, Cover, Push & Pull Arms, (2) ADA1019-2 Switches, (2) 548 Transmitters and (1) 539 Receiver

### PARTS LIST



#### Parts

Part Number	Description	For Model's
6300LAP	Pull/Push Body Sub-Assembly	All models
6300CM2	Power Supply / Board Assembly	All models
6300CAB2	Cable Kit	All models
6300COV	39-5/8" Cover	6312, 6332, 6342, 6352
6300COV2	37-3-8" Cover	6311, 6331, 6341, 6351

#### Miscellaneous Parts

Part Number	Description	For Model's
6300END	End Cap Kit (included both end caps)	All models
6300SP	Screw Pack	All models

### 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



# 6300 SERIES LOW ENERGY POWER OPERATOR

## ACCESSORIES<sup>^^</sup>

### Activating Door Switches



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	✓	
671	Press to Open x alternative logo	✓	
672	Press to Open x alternative logo		✓
542	4-1/2" surface mount box		



505 532

- » 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		✓
555	6" square surface mount box		
557	6" round surface mount box		



506 534

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



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"
- » Dimensions:  
3" W x 4-3/4" H (single);  
4-1/2" W x 4-1/2" H (double)

### ACCESSORIES



704

#### Narrow Wave-to-Open Wall Switch

- » 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



638

#### Low Profile Push Plate

- » 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



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



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
- » 559 optional surface mount box

^^Metal boxes will NOT work with RF switches. Extra deep plastic single or double gang switch boxes (by others) required.

Note:

- » All hard wired switches are Momentary Contact SPDT, UL Listed.
- » Optional DPDT switches are available; suffix "D" to model number.
- » If switches will be installed in a location subject to moisture, weather foam gasket (by others) is required.

**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

**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
- » 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

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

#### ACCESSORIES



596

#### Sensor

- » Active infrared safety sensor
- » Detection range 0-8'
- » 36", 42" or 48" width (specify when ordering)
- » 8'x0" maximum mounting height



539

#### Radio Frequency Receiver

- » 433 MHz



5900EXPG

#### Executive Package

(includes 539 receiver and 536 transmitter)



536

538

#### Transmitters

- » 2-3/8"w x 4-3/16"h x 15/16"d
- » 536: single channel
- » 538: two channel



548

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

**ACCESSORIES**



565

**Push-Button Kits**

Includes:

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



564

Includes:

- » (1) ADA1019-2 wall switch
- » (1) 548 transmitter (with 9 volt battery)
- » (1) 539 receiver

**OPERATIONAL SIGNAGE**

679 Signage Kit (supplied standard)



(1 per switch)



(1 per switch)



(2 per operator)

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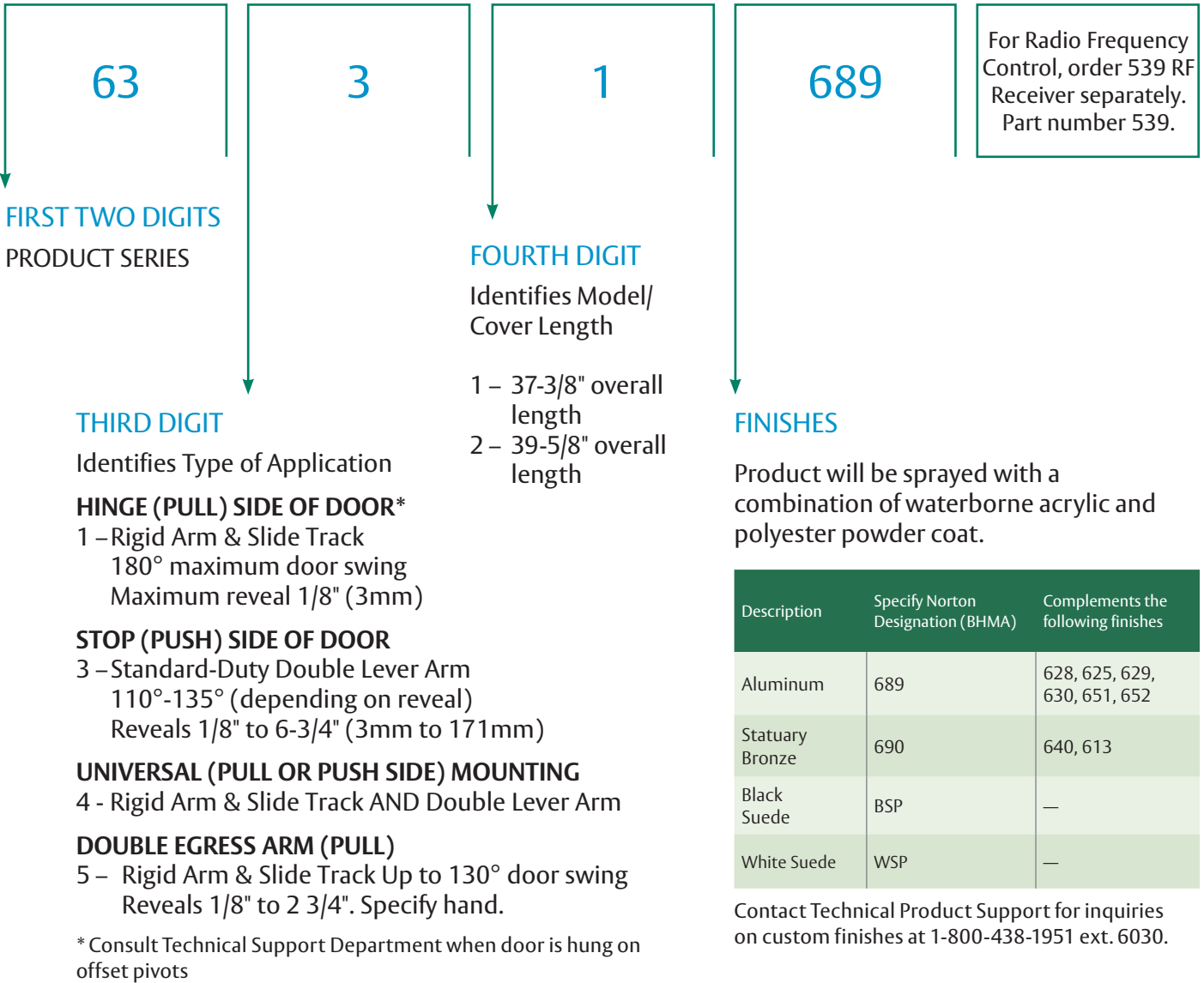
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## HOW TO ORDER

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



Description	Specify Norton Designation (BHMA)	Complements the following finishes
Aluminum	689	628, 625, 629, 630, 651, 652
Statuary Bronze	690	640, 613
Black Suede	BSP	—
White Suede	WSP	—

Contact Technical Product Support for inquiries on custom finishes at 1-800-438-1951 ext. 6030.

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