BROCHURE

LOW ENERGY
DOOR OPERATORS

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WHAT IS A LOW ENERGY OPERATOR?

A low energy operator is a device that enables automatic movement of a door providing convenience and compliance with regulatory needs.

ELECTROMECHANICAL VS. ELECTROHYDRAULIC LOW ENERGY OPERATORS

Norton Rixson offers two types of low energy operators: electromechanical and electrohydraulic.

Electrohydraulic operators incorporate a door closer for smooth reliable door control. Advantages include long life, nearly silent operation, and smooth feel of the door closer.

Electromechanical operators feature a motor and gearbox for consistent automatic operation. Advantages include compact size and precise door control including special features such as dynamic braking, latch assist, power close, and power assist.

WHAT IS 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.

WHAT ARE THE REQUIREMENTS OF A LOW ENERGY OPERATOR?

All low energy operators must comply with the following: ANSI/BHMA A156.19, Americans with Disabilities Act (ADA).

WHAT ARE THE APPLICATIONS OF A LOW ENERGY OPERATOR?

Typical applications include:

- Main entrances
- Restrooms
- Large gathering spaces



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FRAME-MOUNTED ELECTROHYDRAULIC OPERATORS



6000 SERIES ($$$)



5700 SERIES ($$)



5500 SERIES ($)

CLASSIC OPERATION

- Embedded door closer provides consistent feel throughout the facility
- Hydraulic valves control sweep, latch, and backcheck

UNWAVERING DEPENDABILITY

- Closer continues to function even if operator fails
- Operates as mechanical surface closer when door is opened manually



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FRAME-MOUNTED ELECTROMECHANICAL OPERATORS



6300 SERIES ($$$)



6200 SERIES ($$)



5200 SERIES ($)

SUPERIOR USER EXPERIENCE

- Modular installation – one-person install
- NROS™ integrated wireless hot spot
- Simple setup; no app required
- View status and make adjustments without removing the operator cover

UNPARALLELED VALUE

- Shared aesthetics, installation, and programming across all three operators
- Mix and match 6300, 6200, 5200 Series operators throughout a facility to maximize value to the customer



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DOOR-MOUNTED ELECTROMECHANICAL OPERATORS



5800 SERIES ($$$)



4500 SERIES ($)

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



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SINGLE-OCCUPANCY RESTROOM KITS



6300 SERIES ($$$)



6200 SERIES ($$)



5200 SERIES ($)

SUPERIOR USER EXPERIENCE

- Effortless installation through built in logic boards
- Simplified wiring and parts list - fewer parts than legacy platforms
- Switches double as indicators for quick recognition of occupancy
- Safety and security built-in





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LOW ENERGY OPERATORS: PRODUCT COMPARISON

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 interface setup	✓			✓	✓	✓		✓
Warranty	2 yrs							
Power supply included	✓	✓		✓	✓	✓	✓	✓
Optional power cord		✓		✓	✓	✓	Standard[1]	Standard
Price	$$$	$$	$	$$$	$$	$	$$$	$
FUNCTIONS								
Dynamic braking				✓	✓	✓	✓	✓
Emergency interface relay (fire panel input)				✓	✓		✓ (with WIM)	
Infinite hold open	✓			✓	✓	✓	✓[2]	✓
Latch assist				✓	✓	✓	✓	✓
Obstruction detection	Open/Close	Open	Open	Open/Close	Open/Close	Open/Close	Open	Open/Close
Power assist				✓	NA	NA		NA
Power close				✓	✓	✓	✓[1]	✓
Power switch		✓	✓				✓	
Presence detector input	✓			✓	✓			
Push & Go	✓			✓	✓	NA	✓[1]	NA
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	✓[3]	✓	✓	✓	✓		✓[4]	

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

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ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames door and window hardware, mechanical and smart locks, access control and service.

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Since 1880, Norton Rixson 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 Rixson – From Open to Close.

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