



8300 SERIES

LOW ENERGY POWER OPERATOR

One Family. One Brand. One Vision.™
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8300 Series — Low Energy Power Operator



Features

- Single person installation
- Pre-drilled mounting holes for ease of installation
- Built-in adjustable door stop for protection against wind or abusive environments
- On-board power supply for accessories like electric and magnetic locks, sensors etc.
- Blow open function for smoke ventilation (alarm contacts)
- Boost on close - selectable power assist and additional force for last 10° of closing
- Non-Handed
- Equipped with cycle count
- Factory setting for ANSI 156.19 speed requirements AND hold time delay
- Night mode for integration and timing of access control reader with electric strike and automatic opening of the door
- Microprocessor controlled to allow for optimized computing power and processing speed
- Optional Use of a programmer to access myriads of other functions for field environmental adjustments

Ordering Notes

- Must specify push or pull side mount
- Must specify frame type
- Must specify opening width
- Must specify finish

Available Models

- Single (8318)
- Simultaneous Pair (8319)
- Double Egress Simultaneous Pair (8321)

Specifications

Electrical

Power Requirements:	115 VAC 60 HZ
Current Draw:	0.4 A to 1.2 A (Max)
Onboard Power Supply:	24 VDC 1 A
Electric Lock Relay Type:	Form "C" SPDT
Lock Relay Rating:	5.0A @ 28 VDC

Application Parameters

Interior:	Yes
Exterior:	Yes (interior side only)
Reveal:	Up to 8" standard (up to 16" w/ extended arm)
Maximum Door Weight:	350 lbs.
Standard Door Sizes:	Single: 36" - 48" Double: 72" - 96" (header width is door opening +3" to provide "outside frame to outside frame")

Mechanical Specifications

Dimensions:	5" h x 4-1/2"d x Door Opening Width + 3"
Opening Force:	<15 lbs.
Closing Force:	>8 lbs.
Max Degree of Swing:	180° mechanized, 140° assisted
On/Off/Hold Open Switch:	Standard
On/Off Power Switch:	Standard
Swing Direction:	Inswing/Outswing
Operating Temperature:	-4°F to +131°F

Operating Parameters

Adjustable Opening/Closing Speeds:	Yes
Adjustable Swing Degree:	80° to 140°
Adjustable Latch Check Speed:	Yes
Built-in-Stop:	Manual swing to 180° / Power swing to 140°
Hold Open Time:	5 sec to continuous
Fire Alarm Input:	FA input shunts swing activations until FACP is manually reset
Obstruction Stop:	Unit will stop cycle if an obstacle is detected in the swing path
Auto Reverse:	If the unit detects an obstacle, the door will travel in the opposite path
Push To Start ("Push 'n Go"):	Hager requires a door mounted surface sensor where "Push 'n Go" is used

Certifications

ANSI:	Meets A156.19
Warranty:	2 years
UL/cUL (Fire rating):	Listed for up to 3 hours
UL10C:	Positive Pressure Rated
UL325:	Listed

Finishes

ALM:	Aluminum
DBZ:	Dark Bronze (ships with BLK arms)

Actuators, Transmitters, and Accessories

Actuator Features

- Hard wired and wireless (Hard wired standard)
- Beveled edges
- Graphics embossed onto the faceplate for durability
- 304 grade stainless steel finish - scratch resistant



6" Square Actuator

- 2-659-0169 Push to Open text and logo
- 2-659-0170 Handicap logo only
- 2-659-0171 Surface Mount Box



4.5" Square Actuator

- 2-659-0172 Push to Open text and logo
- 2-659-0173 Handicap logo only
- 2-659-0174 Surface Mount Box



1.5" x 4.75" Jamb Actuator

- 2-659-0175 Push to Open text and logo
- 2-659-0176 Handicap logo only
- 2-659-0177 Surface Mount Box



6" Round Actuator

- 2-659-0161 Push to Open text and logo
- 2-659-0162 Handicap logo only
- 2-659-0163 Surface Mount Box
- 2-659-0164 Weather Ring



4.5" Round Actuator

- 2-659-0165 Push to Open text and logo
- 2-659-0166 Handicap logo only
- 2-659-0167 Surface Mount Box
- 2-659-0168 Weather Ring



Bollard Posts

- 2-659-0180 Black Powder Coat
- 2-659-0181 Bronze Powder Coat
- 2-659-0182 Silver Powder Coat



36" Low Profile Actuator

- 2-659-0178 Push to Open text and logo - Wireless
- 2-659-0179 Push to Open text and logo - Hard wired



4.75" Vestibule Actuator

- 2-659-0242 Push to Open text and logo
- 2-659-0243 Surface Mount Box

Transmitter Features

- Transmitters can be programmed to multiple receivers
- Optional delay - no delay programming
- Toggle or pulse mode selectable by DIP switch
- Red LED on receiver verifies transmission and delivers troubleshooting assistance
- Red LED on transmitter ensures transmission and battery life



2-659-0184

3-Volt Hard Wired,
One Button Transmitter



2-659-0185

9-Volt Hard Wired,
One Button Transmitter



2-659-0186

Wireless, One Button
Transmitter



2-659-0240

Programmable Relay
and Door Sequencer - V2



2-659-0183

433MHz Receiver

Spindles

- 2-679-0901: 20 mm
- 2-679-0902: 35 mm
- 2-679-0903: 50 mm
- 2-679-0904: 80 mm

Arm Extensions

- 2-679-0905: Standard Arm Extension - ALM
- 2-679-0906: Standard Arm Extension - BLK

Advanced Programming Device

- 2-679-0907

Spindles

- 2-679-0896: Standard Arm with 35 mm Spindle (Push) - ALM
- 2-679-0897: Standard Arm with 35 mm Spindle (Push) - BLK
- 2-679-0898: Track Arm with 20 mm Spindle (Pull) - ALM
- 2-679-0899: Track Arm with 20 mm Spindle (Pull) - BLK
- 2-679-0900: Double Egress Arm with 20 mm Spindle (Pull) - ALM

Safety Sensors

Features

- Detects when there is a pedestrian in the door's swing path
- Required on all Push 'n Go installations



2-659-0332

- Frame mounted on the pull side of the door



2-659-0335 / 2-659-0336

- Door mounted on the push side of the door

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