

8300 SERIES

LOW ENERGY POWER OPERATOR



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:	-30°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 safety 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)

Transmitters, Accessories and Safety Sensors

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 Sensor 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

Overhead Stop

Hager recommends using a 7000 Series Overhead Stop for:

- High usage
- Exterior openings
- Abusive environments.



7000 HDSM

- Size 1 (SZ1) = 24" - 40" door
- Size 2 (SZ2) = 41" - 55" door



Since its founding in 1849, Hager Companies has remained committed to delivering unparalleled value through a blend of superior product quality and exceptional service. The **8300 Series Low Energy Power Operator** is a testament to this commitment, showcasing our dedication to excellence with designs generated and assembled in our St. Louis facility.



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