



8400 SERIES

LOW ENERGY POWER OPERATOR



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8400 Series — Low Energy Power Operator



Headliners

- Ideal for manual openings that occasionally require an automatic opening
- Push or pull side mounting
- Quiet operation eliminates noise in sensitive areas
- Activated manually via wall switches or radio frequency devices

Features

- Single person installation
- Pre-drilled mounting holes for ease of installation
- Built-in adjustable door stop for protection against wind or abusive environments
- Interfaces with electric door hardware
- Operates as a mechanical closer if power is disconnected
- Obstacle recognition upon opening and closing
- Onboard power supply
- Blow open function for smoke ventilation
- Boost on close - selectable on/off
- Onboard programmer allows easy field adjustment
- Adjustable opening force

Applications

- Libraries
- Retail Buildings
- Medical Buildings
- Schools and Universities
- Assisted Living Facilities

Models

- 8418 Single Operator. (Handed)
- 8419 Simultaneous Pair – 2 units, 1 controller – doors operate at the same time.
- 8420 Independent Pair – 2 units, 2 controllers – doors operate independently from each other.
- 8421 Double Egress Simultaneous Pair – 2 units, 1 controller – doors swing in opposite direction at same time.
- 8422 8422 Double Egress Independent Pair – 2 units, 2 controllers – doors swing in opposite direction at different times.
- 8423 8423 Single Operator paired with 5100 Series Mechanical Closer for inactive door. (Handed)

Note: * Must specify push or pull side mount for all operators except double egress applications.
* Specify handing when ordering the 8418 and 8423.

Specifications

Electrical

Power requirements:	115 VAC 60 HZ
Current draw:	3.0A
Auxiliary output voltage:	24 VDC 500mA
Fuse type:	2.0A, 5 x 20mm, Slo-Blo
Electric lock relay type:	Form "C" SPDT
Lock relay rating:	5.0A @ 28 VDC

Dimensions

Size:	5"h x 4-1/2"d x Door Opening Width + 3"
Reveal:	Up to 12" standard (push side), 6" standard (pull side)
Max door weight:	350 lbs
Standard door sizes:	Single: 36" - 48" Double: 60" - 96"

Parameters

Hold open time:	5 sec to continuous
Built-in-stop:	Manual swing to 180 degrees Power swing to 100 degrees
Fire alarm input:	FA input shunts swing activations until FACP is manually reset
Internal display:	LCD Programmer
Battery backup size:	Min 1500VA
Memory type:	Flash upgradeable
Adjustable swing degree:	80 degrees to 180 degrees

Certifications

ANSI:	Meets A156.19
Warranty:	2 years
UL/cUL:	Listed for up to 3 hours
UL10C:	Positive pressure rated

Finishes

ALM:	Aluminum
DBZ:	Dark Bronze

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



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 |



Bollard Posts

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



6" Square Actuator

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



6" Round Actuator

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|------------|----------------------------|
| 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" Square Actuator

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



4.5" Round Actuator

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|------------|----------------------------|
| 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 |



36" Low Profile Actuator

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|------------|---|
| 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

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|------------|----------------------------|
| 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



- 2-659-0183**
433MHz Receiver



- 2-659-0232**
2-659-0233
Cover for Single Operator



- 2-659-0234**
2-659-0235
Cover for Dual Operators



- 2-659-0230**
2-659-0231
Drop Plate



- 2-659-0236**
Power Supply



- 2-659-0237**
Relay Board

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