



## 8418 - Single Operator

8418

Low Energy Auto Operator for Single Door  
Openings



### Applications

For use on fire-rated and non-fire-rated openings  
Exterior Doors: Yes (Interior side only)  
Works on both outswing or inswing doors  
Adjustable Opening Angle (Push): Max Degree of Swing  
Manually 180°, Powered 100°  
Adjustable Opening Angle (Pull): Max Degree of Swing  
Powered 100°  
Spring Adjustment: 5 lbs to 20 lbs closing force

### PRODUCT SPECIFICATIONS

#### Accessories:

2-659-0228 ALM 50mm Extended Spindle  
2-659-0229 DBZ 50mm Extended Spindle  
2-659-0230 ALM Drop Plate for low ceiling applications  
2-659-0230 DBZ Drop Plate for low ceiling applications

Auxiliary Output:  
24 VDC 500mA

Box Quantity:  
1

#### Certifications:

ANSI A156.19 compliant  
UL/cUL Listed for up to 3-hours  
UL10C Listed for Positive Pressure Rating  
ADA compliant

#### Electrical Specifications:

Power Requirements: 115 VAC 60 HZ  
Current Draw: 3.0A  
Fuse Type: 2.0A, 5 x 20mm, Slo-Blo  
Auxiliary Output Voltage: 24 VDC 500mA  
Electric Lock Relay: 5.0A @ 28 VDC Form "C" SPDT

Electric Lock Relay Type:  
Form "C" SPDT

#### Features:

On-Board LCD display for advanced programming and diagnostics  
Handed (Field Reversible)  
Boost on close - selectable on/off  
Operates as a manual closer with or without power  
Onboard power supply for accessories i.e. electric and magnetic  
locks, sensors, etc.  
Built-in adjustable door stop for protection against wind or abusive  
environments  
Blow open function for smoke ventilation (alarm contacts)  
Factory setting for ANSI 156.19 speed requirements AND hold time  
delay  
On/Off/Hold Open Switch: Standard  
Fire Alarm input shunts swing activations until FACP is manually  
reset  
Memory is flash upgradeable

Finishes:  
ALM or DBZ

How To Order:  
How to order form located in related files

Includes:  
Appropriate door signage included with each operator

#### Installation:

Single person installation using pre-drilled mounting holes

#### Length Options:

36", 42", 44", 48" (Non-Standard Sizes Available)

Lock Relay Rating:  
5.0A @ 28 VDC

Maximum Door Weight:  
350 lbs

Maximum Door Width:  
5'

#### Notes:

Order form required for all Hager low energy operators. Order form  
can be found under Related Files. Please complete and submit with  
purchase order.

#### Operating Temperature:

- 40 degrees F to +140 degrees F

#### Product Name:

Single Operator

#### Programmable Functionality:

Boost on Close (selectable On/Off)  
Power Assist Close  
Power Boost Close - motor assist under wind and stack pressure  
Motor Hold Close  
Power Open and Hold - for smoke evacuation  
Adjustable Opening Force Limitation  
Adjustable Opening and Closing Speeds  
Adjustable Opening Angle  
Adjustable Hold Open Time for Door Activators (5 sec to  
continuous)  
Sequential Operation (push to open/push to close operation)

#### Reveal:

Push Arm: up to 12" (Reveals greater than 12" contact technical  
support)  
Pull Arm: up to 6"

#### Size:

5" H x 4-1/2" D x Length equals opening width plus 3"

#### Warranty:

2 Year