Electrified Solutions

Hager Companies offers a range of electrified door hardware to help you meet customer expectations while also meeting building codes and ensuring life safety. Hager's complete electrified solutions are proven designs with versatile applications and simplified installation.
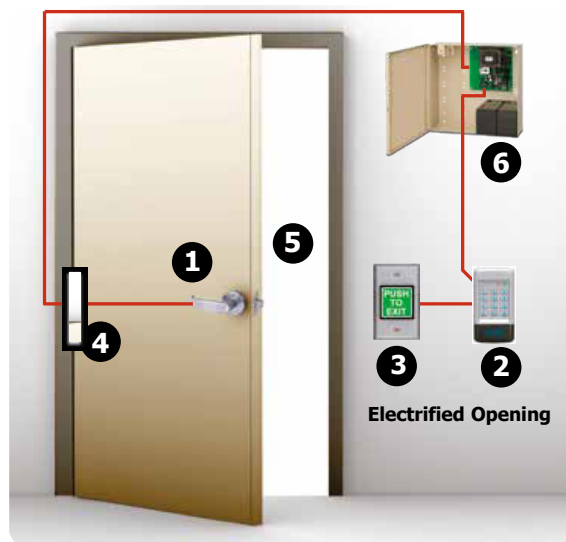
Please visit hagerco.com/products-portal/electrified-hardware for the most recent updates.

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Magnetic Lock   Delayed Egress Lock   Electric Strike   Electrified Mortise Lock

ectrified Cylindrical Lock   Magnetic Shear Lock   Exit Device

Electrified Opening

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Keyswitch   Digital Keypad   Keypad with Proximity   Under Desk Push Switch

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Exit Switch   Piezoelectric Exit Switch   Touchless Exit Switch   Egress Sensor   Non-Latching Pushbar   Emergency Door Release

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- Electric Power Hinge
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- Electrified Roton

2-679-0621
2-679-0623
Power Transfer

ETW4-12
Electric Hinges
- Refer to Commercial Hinges
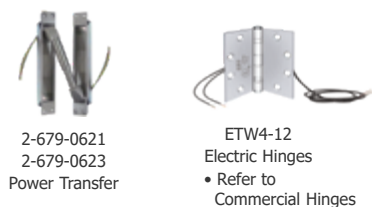
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2-679-0626
Magnetic Switch

6   Power Supply & Door Controllers (Pages 37-43)

2903
Power Supply
- Provides power for Fail Safe or Fail Secure locking devices
- 24 V output; 2 AMP capacity
- Filtered/regulated

2908-1A PSU
Power Supply
- Modular
- Provides power for Fail Safe or Fail Secure locking devices
- 12/24 V output; 1 AMP capacity
- Filtered/regulated

2910-4A PSU
Power Supply
- Provides power and control for openings with an electrified locking device and automatic door operator
- 12/24 V output; 1 AMP capacity
- Filtered/regulated

2904
Power Supply
- Provides power and control for openings with an electrified locking device and automatic door operator
- 24 V output; 2 AMP capacity
- Filtered/regulated

2909-2A PSU
Power Supply
- Modular
- Provides power for Fail Safe or Fail Secure locking devices
- 12/24 V output; 2 AMP capacity
- Filtered/regulated

2911-6A PSU
Power Supply
- Provides power and control for openings with an electrified locking device and automatic door operator
- 12/24 V output; 2 AMP capacity
- Filtered/regulated

Hager offers a comprehensive product line of electronic locking devices ranging from strikes, delayed egress systems, and magnetic locks.

Electric door strikes allows for a range of functionality for any access control system. Ranging from an exterior door such as an employee entrance or an interior door such as a stairwell, Hager's electric strikes have a variety of universal features as well as factory configurations to accommodate a range of locksets, doors, frames, applications, and building codes. Hager's line of electric strikes fit any application. All of our strikes have compact designs, are non-handed, and can be field selectable to fail safe or fail secure configurations allowing for universal installations and simpler inventory management.

Delayed egress systems are ideal for security, safety, and loss prevention applications. Many of Hager's delayed egress systems are installed in public facilities such as airports to control pedestrian traffic. Other Hager units are installed in brick and mortar retail stores to prevent theft while other installations include assisted living facilities to protect patients and childcare facilities to protect children. Typically used on exit doors, when unauthorized egress is initiated when in the locked mode. The system delays egress through the door for 15 or 30 seconds (where approved). Meanwhile, the person exiting must wait while personnel or security respond. The door unlocks after 15 seconds has elapsed, permitting egress. A signal from the fire life safety system will release the lock for uninhibited egress in an emergency. Typical installations include airports, convention halls, wholesale stores, retail stores, long term care, drug and alcohol rehab, psychiatric care, infant nurseries, museums, art galleries, warehouses, and technological facilities.

Hager's magnetic locks are designed to be used on interior doors, perimeter exit doors, and entrances that require fail safe emergency release. Hager's magnetic locks have no moving parts and provides positive and instantaneous release, whether caused by a signal from the fire command center, remote control or access control.

MODEL 2925	4-7/8" (124 mm) faceplate for aluminum, wood, and hollow metal frames
WARRANTY	One-year warranty
APPLICATION	• Cylindrical locksets with up to 5/8" (15mm) throw latch bolts • Access controlled ingress for fail secure or fail safe openings (field selectable) • Economy option provides great performance and value
Latch	1/2" (13 mm) [5/8" (16 mm) with 1/8" (3 mm) door gap]
FEATURES Components	• Quick and easy installation with low profile 1-1/4" (32 mm) backset • All stainless steel parts with durable diecast body for corrosion resistance • Compact low profile design with internally mounted solenoid and factory supplied mounting tabs • Non-handed (reversible) • Latch status output (standard)
Certifications	• ANSI/BHMA A156.31, Grade 2
ELECTRICAL SPECIFICATIONS Input: Current/Voltage	200/100 mA @ 12/24VDC (Field selectable)
Monitoring: Latch Status (Std)	SPDT, DRY 3A @ 30VDC
MECHANICAL SPECIFICATIONS Dimensions	1-1/4" (32 mm) W x 4-7/8" (124 mm) H x 1-1/4" (32 mm) D
ACCESSORIES BUZZ	• Part no. 2-679-0028 • Plug-In Buzzer 12/24VDC • Indicates fail secure strike is energized and unlocked
RECT	• Part no. 2-679-0029 • Converts AC to DC • Wire leads
FINISHES	US32D

MODEL
2928-SC
2928-RC
2928-6R
2928-7R

- 4-7/8" (124 mm) x 1-1/4" (32 mm) square corner faceplate
- 4-7/8" (124 mm) x 1-1/4" (32 mm) radius corner faceplate
- 6-7/8" (175 mm) x 1-1/4" (32 mm) radius corner faceplate
- 7-15/16" (202 mm) x 1-7/16" (36 mm) radius corner faceplate

WARRANTY

One-year warranty

APPLICATION

- Cylindrical and mortise locksets with up to 3/4" (19 mm) throw latch bolts with 1/8" door gap
- Access controlled ingress for fail secure or fail safe openings (field selectable)
- Field selectable voltage - 12/24V, AC/DC
- Ideal for medium traffic openings

Latch

- 1/2" (13 mm)
- 5/8" (16 mm) with 1/8" (3 mm) door gap
- 3/4" (19 mm)

FEATURES
Components

- Quick and easy installation with low profile 1-3/16" backset
- Latch position status (standard)
- Keeper locked/unlocked status (standard)
- Keeper open/closed and status (optional)
- Compact low profile design with internally mounted solenoid and factory supplied mounting tabs
- Non-handed (reversible)
- 1/4" (6 mm) horizontal alignment adjustment
- All stainless steel parts with durable diecast body for corrosion resistance
- Fewer moving parts for maximum life
- Stainless steel is standard with square corner faceplates
- Aluminum standard with radius corner faceplate
- Plug in tail connectors

Certification

- ANSI A156.31, Grade 2
- UL 1034 - Burglary Resistant Electric Locking Mechanisms (interior use applications)

OPTIONS
KOC:

Keeper/open closed status

ELECTRICAL SPECIFICATIONS
Inputs:
Current/Voltage
Monitoring:
Latch Status (Std)
Keeper Locked
Status (Std.)
Keeper Open
Status (Opt.)

- 200/100 mA @ 12/24VDC
- 140/70 mA @ 12/24VAC

SPDT, Dry 3 A @ 30VDC

SPDT, Dry 3 A @ 30VDC

SPDT, Dry 3 A @ 30VDC

MECHANICAL SPECIFICATIONS
Dimensions

1-1/4" (32 mm) W x 4-7/8" (124 mm) H x 1-3/16" (30 mm) D

ACCESSORIES
BUZZ

- Part no. 2-679-0028
- Plug-In Buzzer 12/24VDC
- Indicates fail secure strike is energized and unlocked

FINISHES

- US32D (2928-SC only)
- ALM (standard with 2928-RC, 2928-6R, 2928-7R)

MODEL

2930-CYL	• For use with Grade 1 cylindrical locksets
2930-MOR	• For use with Hager mortise locks
2930-MDB	• For use with Hager mortise locks with deadbolt

WARRANTY

One-year warranty

APPLICATION

• Heavy duty electric strike
• Designed for installation in hollow metal frames with Grade 1 cylindrical and mortise locksets with up to 3/4" (19 mm) throw latch bolts and 1" deadbolts (25 mm)
• Designed for new construction and retrofit applications
• Field selectable fail safe or fail secure (default setting) with no disassembly
• For use on fire-rated and non fire-rated doors
• *Fail safe is not permitted on fire-rated doors*

FEATURES

Components

• Retrofits existing ANSI 4-7/8" (124 mm) strike prep - no centerline relocation
• Fail secure standard; field reversible to fail safe (no disassembly)
• Up to 3/4" (919 mm) latch bolt and 1" (25 mm) deadbolt
• Non-handed (reversible)
• 1/8" (3 mm) horizontal alignment adjustment
• Factory tested 2,500 lbs.
• Exceeded 1,000,000 cycles
• UL tested 1,500 lbs.
• 70 ft-lb dynamic strength
• Internally mounted solenoid, no heat in keeper
• Tamper resistant
• All stainless steel parts with durable diecast body for corrosion resistance
• Plug in tail connectors

Certification

• ANSI A156.31 compliant, Grade 1
• UL - 1034 Burglary Resistant (interior use application)
• BP - 10254
• IL10C.3H Fire-Rated, 4' x 8' door
• NFPA 252
• CAN 4-5104 (Fail Secure Only)

ELECTRICAL & MECHANICAL SPECIFICATIONS

Input:

Current/Voltage	600/300 mA @ 12/24V DC

Monitoring:

LBM (Opt.)	SPDT, Dry 5 A @ 30V DC
DSM (Opt.)	SPDT, Dry 5 A @ 30V DC
DBM (Opt.)	SPDT, Dry 5 A @ 30V DC *(Handed)*

ACCESSORIES

BUZZ

• Part no. 2-679-0028
• Plug-In Buzzer 12/24 VDC
• Indicates fail secure strike is energized and unlocked

RECT

• Part no. 2-679-0029
• Converts AC to DC
• Wire leads

FINISHES

US4, US10, US10B, US26, US26D, US32D (standard)

OPTIONS

LBM

• Latch Bolt Monitor
• Door closed/latched or open/unlatched status
• Access control anti-tailgate/timer reset signal

DSM

• Door Secure Monitor (DSM)
• Door secure and unlocked monitoring
• Mantraps, interlocks, airlocks

LBM

• Deadbolt Monitoring (DBM - Handed)
• Signals deadbolt projected or retracted
• Occupied signal rooms/bathrooms
• Manual lockout of access control by deadbolt

NOTES

Fire-Rated	Not approved for fail safe operation on fire-rated doors
Handing	• CYL, MOR with monitoring are non-handed • DBM with monitoring is handed
Recommendation	Hager recommends using a power regulator with the 2930 Series strikes.

INSTALLATION FEATURES	• Surface Mounting • No Cut Prep • 3/4" Pullman Latch Exit Devices • Metal installation template included
APPLICATION	Interior & Exterior For use with rim exit devices
FEATURES	• Tested to 1 million cycles • 15 lbs. of preload overcomes air pressure, misalignment, and inexact installation • 1,500 ft-lbs. of holding force • Field selectable fail safe/fail secure • Horizontal adjustments • Fail safe is not permitted on fire-rated doors
MATERIAL	Heavy duty stainless steel

SPECIFICATIONS

Voltage	• 12/24V AC/DC
Current Draw	• 560 mA @ 12V • 280 mA @ 24V
Sound	• AC Buzz • DC Silent
Duty	• Continuous

DIMENSIONS	1-7/8" (47.6 mm)W x 9-1/8" (231.8 mm)H x 3/4" (19.1 mm)D

CERTIFICATIONS

Fire Rating	• A156.31 Grade 1
ANSI	• UL 10C (3-Hour)
Burglary	• UL 1034 - Burglary resistant (interior use application)
Access Control	• UL294

FINISH OPTIONS	US32D (#100206673) Black (#100206670)
WARRANTY	5-Years

ACCESSORIES

Spacer	#100206669 Used with Hager 4501 rim exit device (included)

MODEL
4501 OBDE   On Board Delayed Egress Exit Device

WARRANTY   One-year warranty

APPLICATION
• Control pedestrian traffic
   - *Airport & Public Facility Security and Safety*
   - *Loss Prevention*
• Wandering Patient and Infant Protection (Compatible with Hugs® and other patient tracking systems)
• Intended for single or double doors that require panic hardware

FEATURES
Components
• 15 second egress delay
• 1 or 2 second nuisance delay
• Built-in function keyswitch provides alarm and lock reset, 1 to 30 second bypass, sustained bypass, and additional key switch
• Control inputs include 1 to 30 second request-to-exit and access bypass with anti-tailgate and alarm reset
• Field selectable trigger modes from exit device (N/O or N/C)
• Field selectable automatic or manual power up after emergency release or power loss

Built-In
Annunciation
• Armed mode
• Nuisance mode
• Irreversible egress mode
• Release mode
• Digital countdown display
• Field selectable voice notification or tone
• Field selectable male voice with security message or female voice with safety message

Monitoring
Outputs
• Armed status
• Egress initiation status
• Released status

Power Up Modes: Field selectable automatic or manual power up after emergency release or power loss

Code Compliance:
• Use of manual power up complies with California Building Code (OSHPD) requirements
• International Fire Code (IFC) 1008.1.8.6 Delayed Egress Locks
• International Building Code (IBC) 1008.1.8.6 Delayed Egress Locks
• NFPA 101, Life Safety Code 7.2.1.6.1 Delayed Egress Lock
• NFPA 1 Uniform Fire Code
• California Building Code (CBC) 1008.1.8.6 Special Egress Control Devices

Note:
• Requires 3902 Mortise Cylinder, sold separately (Conventional Core Only, 1-1/8" length recommended)
• Exit Device cannot be cut down once the OnBoard Delayed Egress modification has been made to the device

ELECTRICAL & MECHANICAL SPECIFICATIONS

Inputs:
Voltage Input:
• Single 540mA @ 24VDC
• Tandem 790mA @ 24VDC

Reset Input: N/O, Dry input
REX Input: N/C, Dry input
Trigger: N/C, Dry input

Monitoring Outputs: Alarm relay - 1 amp @ 30VDC SPDT, Dry
Door security relay - 1 amp @30VDC SPDT, Dry

MONITORING

Alarm Output: SPDT Dry, 1A @ 30 VDC, Dry
Locked Output: SPDT Dry, 1A @ 30 VDC, Dry

CONTROL INPUTS:
• Field selectable 1-30 second request to exit with anti-tailgate and door prep alarm
• Bypass
• Reset
• Remote trigger (for pairs of doors)
• BPS (required for door forced, prop and anti-tailgate)

FINISHES:
• US3   • US4   • US10
• US10B   • US26   • US26D
• US32D
*Cover is ALM only

MODELS

4501 DE/4601 DE	Delayed Egress Exit Device
2-679-0630	Delayed Egress Wall Mount Controller
	- Must be ordered separately

WARRANTY

One-year warranty

APPLICATION

• Control pedestrian traffic
- *Airport & Public Facility Security and Safety*
- *Loss Prevention*
• Wandering Patient and Infant Protection (Compatible with Hugs® and other patient tracking systems)
• Intended for single or double doors that require panic hardware

FEATURES

Components:
• Alternating 85 db tone and voice message (75 db @ 3 feet)
 - *Voice and digital display provides informative annunciation for people without prior knowledge,*
   including the blind and hearing impaired
 - *Voice provides warning or safety message, countdown and time of door release*
 - *Digital countdown display indicated if the door was opened after lock release*
• 15 or 30 second egress delay
• 1 or 2 second nuisance delay
• Built-in function keypad provides alarm and lock reset, 1 to 30 second bypass, sustained bypass,
 and additional key switch
• Control inputs include 1 to 30 second request-to-exit and access bypass with anti-tailgate and alarm reset
• Field selectable trigger modes from exit device (N/O or N/C)
• Field selectable automatic or manual power up after emergency release or power loss

Built-In Annunciation:
• Armed mode
• Nuisance mode
• Irreversible egress mode
• Release mode
• Digital countdown display
• Field selectable voice notification or tone
• Field selectable male voice with security message or female voice with safety message

Monitoring Outputs:
• Armed status
• Egress initiation status
• Released status

Power Up Modes:
Field selectable automatic or manual power up after emergency release or power loss

Code Compliance:
• Use of manual power up complies with California Building Code (OSHPD) requirements
• International Fire Code (IFC) 1008.1.8.6 Delayed Egress Locks
• International Building Code (IBC) 1008.1.8.6 Delayed Egress Locks
• NFPA 101, Life Safety Code 7.2.1.6.1 Delayed Egress Lock
• NFPA 1 Uniform Fire Code
• California Building Code (CBC) 1008.1.8.6 Special Egress Control Devices

ELECTRICAL SPECIFICATIONS

Inputs:

Voltage Input:	• Single 430mA @ 24VDC
	• Tandem 680mA @ 24CVDC
Reset Input:	N/O, Dry input
REX Input:	N/C, Dry input
Trigger:	N/C, Dry input
Monitoring Outputs:	Alarm output - 1 amp @ 30VDC SPDT, Dry
	Locked output - 1 amp @30VDC SPDT, Dry

MONITORING

Alarm Output:	SPDT Dry, 1A @ 30 VDC, Dry
Locked Output:	SPDT Dry, 1A @ 30 VDC, Dry

MECHANICAL SPECIFICATIONS

Controller Dimensions:	6-1/2" (165 mm) W x 4-1/2" (114 mm) H x 1-1/2" (38 mm) D
Controller Mounting:	Recessed or Surface Mount

ACCESSORIES

2-679-0641	3-gang interior surface mount box
2-679-0642	Shroud for surface mount box

FINISHES

Controller:
• Aluminum anodized (standard)
• Dark Bronze anodized
• Black anodized

NOTES

• SVR exits must include rod covers
• Door position switch (DPS) is recommended for higher security. Contact Hager Tech Support for additional information.

08/22/2025

MODELS

2958	Single magnetic lock with 1650 lbs. holding force (748 kg)
2958T	Tandem magnetic lock with 1650 lbs. holding force (748 kg)

WARRANTY

One-year warranty

APPLICATION

- Control pedestrian traffic
  - *Airport & Public Facility Security and Safety*
  - *Loss Prevention*
- Wandering Patient and Infant Protection (Compatible with Hugs® and other patient tracking systems)
- Intended for single doors with latching or non-latching hardware
- Tandem model intended for use with pairs of doors with latching or non-latching hardware where activating the lock unlocks both doors

FEATURES

Components:

- Field selectable voice and tone or tone only (75 db @ 3 feet)
  - *Voice and digital display provides informative annunciation for people without prior knowledge, including the blind and hearing impaired*
  - *Voice provides warning or safety message, countdown and time of door release*
  - *Digital countdown display indicated if the door was opened after lock release*
- Choice of 15 second exit and 1 second nuisance delay or field selectable 15 or 30 second exit delay and 1 or 2 second nuisance delay
- Field selectable security or safety message
- Field selectable activation
- Field selectable automatic or manual relock upon power up after emergency release
- Integrated 3 position key switch
- Provides lock and alarm reset Manual power up sustained bypass, time bypass, adjustment for 1, 15, 20 or 30 seconds
- Field selectable door prop alarm
  - *Alarm sounds when the door has been left open after selected bypass time has elapsed*
- Anti-tailgate feature
- Alternating 85db tone and voice message

Control Inputs:

- Remote access control and REX input, field adjustable for 1, 15, 20, or 30 seconds
- Remote reset input
- Manual power-up input
- Emergency release input
- Anti-tailgate input

Monitoring Outputs:

- Door secure and unlocked output
- Delayed egress activation alarm output

Certifications:

- UL 294 Access Control System Units
- UL 10B Fire Tests of Door Assemblies
- UL 10C Positive Pressure Fire Tests of Door Assemblies
- ULC-S104 Standard Method for Fire Tests of Door Assemblies
- ULC-S533 Egress Door Securing and Releasing Devices
- NFPA 101 Life Safety Code Special Locking Arrangements
- NFPA 1-UFC Uniform Fire Code
- UBC Uniform Building Code Standard 7-2 Fire Test of Door Assemblies (1997)
- IBC International Building Code Delayed Egress Locks
- IFC International Fire Code Delayed Egress Locks
- SBC Standard Building Code
- CBC, California Building Code Special Egress Control Devices
- BOCA National Building Code Special Locking Arrangements
- Chicago Building Code Electro-Magnetic Locking Devices
- CSFM Listed 3774-0324:0103

Code Compliance:

- International Building Code (IBC) 1008.1.8.6 Delayed Egress Locks
- International Fire Code (IFC) 1008.1.8.6 Delayed Egress Locks
- NFPA 101, Life Safety Code 7.2.1.6.1 Delayed Egress Lock
- California Building Code (CBC) 1008.1.8.6 Special Egress Control Devices
- BOCA, National Building Code 1017.4.1.2 Special Locking Arrangements
- Chicago Building Code 10 (13-160-269) Electromagnetic Locking Devices
  - *Certificate of approval available*

OPTIONS

DPS	Door Position Switch
MBS	Magnetic Bond Sensor
ATS	Anti-Tamper Switch

RESET & CONTROL

PS	Built-in reset push switch, available with NFPA (NA) only
NS	Less key switch or push switch

Input Voltage:	Auto Sensing 12 to 24VDC

Current:

2958	830mA @ 12VDC
	450mA @ 24VDC
2958T	1500mA @ 12VDC
	850mA @ 24VDC

Reset Input:	N/O, Dry input
REX Input:	N/O, Dry input
Trigger Input:	N/O, Dry input
Fire Alarm Input:	N/O, Dry input

MONITORING

Alarm Output:	SPDT Dry, 1A @ 30VDC
Lock Secure Unlocked:	SPDT Dry, 1A @ 30VDC
Door Position Switch:	SPDT Dry, 250mA @ 30VDC
Magnetic Bond Sensor:	SPDT Dry, 250 mA @ 30VDC
Anti-Tamper Switch:	SPDT Dry, 1A @ 30VDC

MECHANICAL SPECIFICATIONS

Dimensions:

2958	11" (279 mm) W x 2-3/4" (70 mm) H x 2-5/8" (67 mm) D
2958T	Master 11" (279 mm) W x 2-3/4" (70 mm) H x 2-5/8" (67 mm) D
2958T	Slave 11" (279 mm) W x 2-3/4" (70 mm) H x 2-5/8" (67 mm) D
Armature	7-3/8" (187 mm) W x 2-3/8" (60 mm) H x 9/16" (14 mm) D

FINISHES

ALM	Aluminum anodized (standard)
DBZ	Dark bronze anodized
BLK	Black anodized

NOTES

Local Approval:	All installations must be approved by the Authority Having Jurisdiction (AHJ)

WARRANTY

One-year warranty

MODELS

2941   600 lbs. holding force (272 kg)

APPLICATION

For interior door traffic control where physical attack is not a concern

FEATURES

Components:

- Designed for system integrators, distributors, installers, and building owners presently using low cost import or private label brand access control hardware
- Provides superior, less obtrusive appearance compared to stainless steel epoxy sealed magnetic locks
- Full monitoring is standard
- Door status, lock status and bi-color LED included
- Adjustable mounting bracket with choice of self-drilling and tapping mounting screws or machine screws
- Wire access chamber with terminal block
- Printed circuit board with voltage and current spike protection
- Instant release anti-residual magnetism circuit

Certification: ANSI/BHMA A156.23 Grade 1, Compliant

ELECTRICAL SPECIFICATIONS

Input:
Current/Voltage: 500mA/250mA @ 12/24VDC (field selectable)

MONITORING

Lock Status: SPDT, Dry 2mA @ 30VDC
Door Status: SPDT, Dry 500mA @ 30VDC

MECHANICAL SPECIFICATIONS

Lock Dimensions: 9-7/8" (251 mm) W x 1-7/8" (47.63 mm) H x 1" (25 mm) D

Armature
Dimensions: 7-5/16" (186 mm) W x 1-1/2" (38 mm) H x 1/2" (13 mm) D

FINISHES

Aluminum anodized

MODELS

2942

1200 lbs. holding force (545 kg)

WARRANTY

One-year warranty

APPLICATION

For perimeter and interior door security and access control

FEATURES

Components:

• Designed for system integrators, distributors, installers, and building owners presently using low cost import or private label brand access control hardware
• Provides superior, less obtrusive appearance compared to stainless steel epoxy sealed magnetic locks
• Full monitoring is standard
• Door status, lock status and bi-color LED included
• Adjustable mounting bracket with choice of self-drilling and tapping mounting screws or machine screws
• Wire access chamber with terminal block
• Printed circuit board with voltage and current spike protection
• Instant release anti-residual magnetism circuit

Certification:

ANSI/BHMA A156.23 Grade 1, Compliant

ELECTRICAL SPECIFICATIONS

Input:
Current/Voltage:

500mA/250mA @ 12/24VDC (field selectable)

MONITORING

Lock Status: SPDT, Dry 2mA @ 30VDC
Door Status: SPDT, Dry 500mA @ 30VD

MECHANICAL SPECIFICATIONS

Lock Dimensions: 10-1/2" (267 mm) W x 2-7/8" (73 mm) H x 1-5/8" (41 mm) D
Armature
Dimensions: 7-5/16" (186 mm) W x 2-3/8" (60 mm) H x 1/2" (13 mm) D
FINISHES Aluminum anodized

MODELS

2951	Single magnetic lock with 1650 lbs. holding force (748 kg)
2952	Double magnetic lock with 1650 lbs. holding force (748 kg)
2953	Single magnetic lock with 1200 lbs. holding force (545 kg)
2954	Double magnetic lock with 1200 lbs. holding force (545 kg)

WARRANTY

1-year warranty

APPLICATION

For perimeter and interior door security and access control

FEATURES

Components:

- Modular design
- Modular upgrade kits
- Field upgradeable without removal
- Uniform design and installation
- Identical housing, template, and accessories
- Quick mount assembly
- Compatible with any access control system
- Secure wiring and mounting screws with interlocking mounting plate

Certification: ANSI/BHMA A156.23 Grade 1 Compliant

OPTIONS

Time	Built-in field adjustments 0-30 seconds re-lock delay
DPS	Door Position Switch indicates door open and door closed
ATS	Anti Tamper Switch indicates access cover removal
MBS	Magnetic Board Sensor indicates locked and unlocked, low holding power, tampering and obstruction between armature and magnetic core

ELECTRICAL SPECIFICATIONS

Input:
Current/Voltage:

2951	Auto Sensing 670mA/350mA @ 12/24 VDC
2952	Auto Sensing 1.34A /700mA @ 12/24VDC
2953	Auto Sensing 250mA/125mA @ 12/24VDC

MONITORING

Time	SPDT, Dry 20mA @ 30VDC
DPS	SPDT, Dry 20mA @ 30VDC
ATS	SPDT, Dry 20mA @ 30VDC
MBS	SPDT, Dry 20mA @ 30VDC

MOUNTING KITS - ordered separately

- Top Jamb Kit
- Glass Door Kit
- Universal Header Bracket
- Spacer Bracket
- Armature Mounting Plate with and without Sensor Door Coordinator Lock Mounting Kit
- Filler Plates
- Angle Brackets
- See Mounting Kits Reference File for complete list of all mounting kits and part number

ACCESSORIES

2-679-0109	Timer Input Module
2-679-0110	Door Position Sensor
2-679-0111	Magnetic Bond Sensor
2-679-0112	Anti-Tamper Switch

MECHANICAL SPECIFICATIONS

2951 & 2953 Dimensions:	11" (279 mm) W x 2-3/4" (70 mm) H x 1-9/16" (40 mm) D
2952 & 2954 Dimensions:	22" (559 mm) W x 2-3/4" (70 mm) H x 1-9/16" (40 mm) D

FINISHES

ALM	Aluminum anodized (standard)
DBZ	Dark bronze anodized

Category	Part Number	Application	Notes	Used With	Ordering Instructions
Modular Kits	2-679-0109	Timer Input Model	Built-In field adjustable 0-30 seconds re-lock delay	2950 Series	2952/2954: use (2)
	2-679-0110	Door Position Sensor	Indicates door open and door closed	2950 Series	
	2-679-0111	Magentic Bond Sensor	Indicates locked/unlocked, low holding power, tampering and obstruction between armature and magentic core	2950 Series	
	2-679-0112	Anti-Tamper Switch	Indicates access cover removal	2950 Series	
Mounting Kits	2-679-0120	Top Jamb for Inswing Doors		2951 & 2953	
	2-679-0130	Top Jamb for Inswing Doors		2952 & 2954	
	2-679-0160	Armature for Glass Doors		2951& 2953	2951/2953: use (1)
				2952 & 2954	2952/2954: use (2)
	2-679-0210	Door Coordinator Lock		2951& 2953	
	2-679-0220	Door Coordinator Lock		2952 & 2954	
Header Brackets	2-679-0180	Universal	1" x 1" x 11"	2951& 2953	
	2-679-0190	Universal	1" x 1" x 22"	2952 & 2954	
	2-679-0191	Universal	1" x 1" x 22"	2952 & 2954	
Spacer Brackets	2-679-0200	Aluminum frames with blade stop	1/2" x 1-1/2" x 11"	2951& 2953	
	2-679-0201	Aluminum frames with blade stop	1/2" x 1-1/2" x 11"	2952 & 2954	
Armature Mounting	2-679-0204	Armature mounting plate	Top rail of aluminum, glass, wood, and hollow metal doors without thru bolts	2950 Series	2952/2954: use (2)
	2-679-0205	Armature mounting plate w/sensor		2950 Series	2952/2954: use (2)
Filler Plates	2-679-0281	Stop extension to provide proper mounting surface on the underside of the header	ALM: 1/8" x 1-1/4"	2951& 2953	
	2-679-0283		DBZ: 1/8" x 1-1/4"	2951& 2953	
	2-679-0291		ALM: 1/4" x 1-1/4"	2951& 2953	
	2-679-0293		DBZ: 1/4" x 1-1/4"	2951& 2953	
	2-679-0311		ALM: 1/2" x 1-1/4"	2951& 2953	
	2-679-0313		DBZ: 1/2" x 1-1/4"	2951& 2953	
	2-679-0321		ALM: 5/8" x 1-1/4"	2951& 2953	
	2-679-0323		DBZ: 5/8" x 1-1/4"	2951& 2953	
	2-679-0381		ALM: 1/8" x 1-1/4"	2952 & 2954	
	2-679-0383		DBZ: 1/8" x 1-1/4"	2952 & 2954	
	2-679-0391		ALM: 1/4" x 1-1/4"	2952 & 2954	
	2-679-0393		DBZ: 1/4" x 1-1/4"	2952 & 2954	
	2-679-0411		ALM: 1/2" x 1-1/4"	2952 & 2954	
	2-679-0413		DBZ: 1/2" x 1-1/4"	2952 & 2954	
	2-679-0421		ALM: 5/8" x 1-1/4"	2952 & 2954	
	2-679-0423		DBZ: 5/8" x 1-1/4"	2952 & 2954	
Angle Brackets	2-679-0491	Extensions used on shallow door frames to provide adequate mounting surface	ALM: 1-1/2" x 1-1/2"	2951& 2953	
	2-679-0493		DBZ: 1-1/2" x 1-1/2"	2951& 2953	
	2-679-0501		ALM: 2" x 1-1/2"	2951& 2953	
	2-679-0503		DBZ: 2" x 1-1/2"	2951& 2953	
	2-679-0571		ALM: 1-1/2" x 1-1/2"	2952 & 2954	
	2-679-0573		DBZ: 1-1/2" x 1-1/2"	2952 & 2954	
	2-679-0581		ALM: 2" x 1-1/2"	2952 & 2954	
	2-679-0583		DBZ: 2" x 1-1/2"	2952 & 2954	

Locking Devices – 2961 Series Magnetic Shear Lock

MODELS
2961 | Single magnetic shear lock with 2000 lbs. holding force (907 kg)

WARRANTY | One-year warranty

APPLICATION | For commercial grade hollow metal and wood doors and frames and Herculite doors with top rails

FEATURES

• Concealed, high security, Fail Safe locking mechanism
• Incorporates floating armature assembly and special alloy steel locking tabs on both lock and armature assemblies

• May be adjusted both vertically and laterally to compensate for wide door gaps and warped or misaligned doors

Components:

• 2,000 lbs (907 kg) holding force without current inrush or high operating temperature
• 8" x 1-1/2" (203 mm x 38 mm) lock
• Integrated electronics
• 1-5/8" (41 mm) depth for 1-3/4" - 2" (44 mm - 51 mm) frames
• Armature supplied with lock (specify type required - ITC, FTC, or HTC)
• Door static sensor ensures door is at rest and aligned, before the magnet is permitted to energize (eliminates the potential for lock misalignment)
• Lateral adjustment of shear tabs to compensate for warped or misaligned doors, permitting accurate locking
• Vertical adjustment of both the armature and the adjustable delay relock sensor compensates for wide door gaps
• Unique floating action for easy armature lift when the magnet is energized and provides ability to overcome wide door gaps
• Alloy shear tabs ensure continued high holding force
• No profiling of the soft armature steel that may be prone to wear and reduced holding force
• Advanced electronic circuitry that incorporates door static, positioning and timed relock sensor and automatic voltage sensing for 12/24 VDC input
• Noise dampeners reduce the noise associated with locking and unlocking

OPTIONS
MBS | • Bond sensor indicates proper armature contact or reduced holding power due to improper armature contact or tampering
• SPDT 0.25 amp

DPS | • Door position switch indicates door open or closed
• SPDT 0.25 amp maximum

HTR | Herculite top rail armature adjustment bracket for leading edge adjustments

ELECTRICAL SPECIFICATIONS
Input:
Voltage: | Auto Sensing 650/350 mA @ 12/24 VDC

MONITORING
DPS | SPDT, Dry 20mA @ 30VDC
MBS | SPDT, Dry 20mA @ 30VDC

ACCESSORIES
2-679-0600 | Wood door reinforcement box (sold separately)
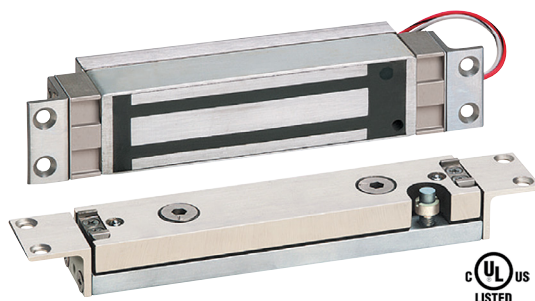
ARMATURES
ITC Armature | Standard mounting armature kit for aluminum and hollow metal doors with 7/8" to 1-1/8" deep top channels, wood doors, and factory prepared hollow metal flush edge doors

FTC Armature | Mounting kit for field prepared horizontal mounting in hollow metal doors with flush edge

HTC Armature | Mounting kit for 1-15/16" deep Herculite channels

MECHANICAL SPECIFICATIONS
Lock Dimensions: | 8" (203 mm) W x 1-1/2" (38 mm) H x 1-5/8" (41 mm) D

Armature Dimensions: | 8" (203 mm) W x 1-1/2" (38 mm) H x 7/8" (48 mm) D

FINISHES
ALM | Aluminum anodized (standard)

MODELS	
2965	Single magnetic shear lock with 2700 lbs. holding force (1225 kg)

WARRANTY	
	One-year warranty

APPLICATION	
	For commercial grade hollow metal and wood doors and frames and Herculite doors with top rails

FEATURES
- Concealed, high security, Fail Safe locking mechanism
- Incorporates floating armature assembly and special alloy steel locking tabs on both lock and armature assemblies
- May be adjusted both vertically and laterally to compensate for wide door gaps and warped or misaligned doors

Components:
- 2,700 lbs (1225 kg) holding force without current inrush or high operating temperature
- 10-7/16" x 1-1/2" (265 mm x 38 mm) lock
- Integrated electronics
- 1-5/8" (41 mm) depth for 1-3/4" - 2" (44 mm - 51 mm) frames
- Armature supplied with lock (specify type required - ITC, FTC, or HTC)
- Door static sensor ensures door is at rest and aligned, before the magnet is permitted to energize (eliminates the potential for lock misalignment)
- Lateral adjustment of shear tabs to compensate for warped or misaligned doors, permitting accurate locking
- Vertical adjustment of both the armature and the adjustable delay relock sensor compensates for wide door gaps
- Unique floating action for easy armature lift when the magnet is energized and provides ability to overcome wide door gaps
- Alloy shear tabs ensure continued high holding force
- No profiling of the soft armature steel that may be prone to wear and reduced holding force
- Advanced electronic circuitry that incorporates door static, positioning and timed relock sensor and automatic voltage sensing for 12/24 VDC input
- Noise dampeners reduce the noise associated with locking and unlocking

OPTIONS

MBS
- Bond sensor indicates proper armature contact or reduced holding power due to improper armature contact or tampering
- SPDT 0.25 amp

DPS
- Door position switch indicates door open or closed
- SPDT 0.25 amp maximum

HTR — Herculite top rail armature adjustment bracket for leading edge adjustments

ELECTRICAL SPECIFICATIONS

Input:

Voltage:	Auto Sensing 800/400 mA @ 12/24 VDC

MONITORING

MBS	SPDT, Dry 250mA @ 30VDC
DPS	SPDT, Dry 250mA @ 30VDC

ACCESSORIES

2-679-0601	Wood door reinforcement box (sold separately)

ARMATURES

ITC Armature	Standard mounting armature kit for aluminum and hollow metal doors with 7/8" to 1-1/8" deep top channels, wood doors, and factory prepared hollow metal flush edge doors
FTC Armature	Mounting kit for field prepared horizontal mounting in hollow metal doors with flush edge
HTC Armature	Mounting kit for 1-15/16" deep Herculite channels

MECHANICAL SPECIFICATIONS

Lock Dimensions:	10-7/16" (265 mm) W x 1-1/2" (38 mm) H x 1-5/8" (41 mm) D
Armature Dimensions:	11" (279 mm) W x 1-1/2" (38 mm) H x 7/8" (48 mm) D

FINISHES

ALM	Aluminum anodized (standard)

As the demand for access controls continue to grow, Hager Companies offers proven, reliable, and innovative solutions. While access control keypad devices are fairly definitive, customer requirements and building codes can vary. Hager Companies keypad product line offers solutions for these differing demands and requirements.

Key switches are ideal for a range of electrified openings such as an auditorium or gate operation that you might find near a hotel pool. With many different types of applications, key switches are an economical and viable devices in many installations.

Hager's line of heavy duty keypads has an array of ideal installations. The 2915 is perfect for secure areas such as a records archive room or server room. The 2916 and 2916P are ideal for outdoor installations such as college dormitories, apartment buildings, remote buildings, and office buildings.

Hager Companies provides proven and reliable products for the ever growing access control market. For more information, please visit the Hager Companies website at www.hagerco.com

29EA-M   **29EA-K**   **29EA-N**

MODELS

29KS | Key switch

WARRANTY | One-year warranty

APPLICATION
- Access control
- Automatic gate operation
- Alarm shunt
- Alarm reset
- Machine operation

FEATURES
- Provides an economical method of providing authorized control for a variety of applications
- Choice of several contact configurations ensures compatibility with virtually any system
- Compatible with U.S. standard 1.125" and 1.25" mortise key cylinders and interchangeable core cylinders (not included)
- Compatibility with a new or existing facility mechanical key system is maintained
- Standard switch assemblies are single gang box mounted

Components:
- Single gang, wall mounted, recessed key cylinder
- Tamper resistant, recessed cylinder
- Tamper resistant spanner screws
- Heavy duty all steel assembly
- 20 gauge stainless steel faceplate
- Large actuator for positive and consistent activation
- Compatible with 1.125" or 1.25" mortise cylinder (non included)

Functions:

ASD	Alternate Action (on/off) SPDT
MSD	Momentary SPDT
ADD	Alternate Action (on/off) DPDT
MDD	Momentary DPDT

ELECTRICAL SPECIFICATIONS

Voltage:
- 6 amp @ 30 VDC
- 7", 22 gauge wire leads

OPTIONS

LEDG	One (1) green LED
LEDR	One (1) red LED
2LED	One (1) green and one (1) red LED

CYLINDER

3902	1-1/8" recommended (order separately)
3978	Cam required (order separately)

MECHANICAL SPECIFICATIONS

Dimensions: | 2-7/8" (73 mm) W x 4-1/2" (114 mm) H x 20 Gauge (0.912 mm)

FINISHES | US32D

NOTES
- Single switch assembly requires cloverleaf cam
- Dual switch assembly requires standard cam

Access Controls - 2-679-0708 Under Desk Push Switch

MODELS
2-679-0708   Under Desk Switch

WARRANTY   One-year warranty

APPLICATION   Enables the remote control of doors equipped with
electric locks and access controls

FEATURES
Components: Mounts to the underside of a desk for remote door control

ELECTRICAL SPECIFICATIONS
Momentary push switch

MECHANICAL SPECIFICATIONS
Dimensions: 1" (25 mm) W x 2-1/4" (57 mm) H x 2-1/2" (63 mm) D

29EA
Door Prop Alarm
Key Switches

DESCRIPTION
- Provides audible alarm when a door is accessed or left open
- Installs in single gang or double gang enclosures
- Compatible with U.S. standard 1.125" and 1.25" mortise key cylinders and interchangeable core cylinders (Sold Separately)

FUNCTIONS
- N - No Key Switch
- M - Mortise Cylinder Switch (Sold Separately)
- K - Key Switch

FEATURES
- Audible sirens with adjustable timer settings
- Bypass status indicator light
- Vandal-resistant aluminum construction with security screws
- Optional key switch or mortise cylinder
- Adjustable Timed Delay
- Exit Alarm on Door Opening
- Automatic or Manual Alarm Reset
- Output Relays
- Integral Bi-color LED Status Indicator
- Compact Universal Mounting
- 85dB Piezo Buzzer Alarm

ELECTRICAL SPECIFICATIONS
Inputs:

Voltage:	12 or 24 VDC
Trigger Input:	Dry, N/O or N/C (Selectable by on board jumper), Door Contact (Sold Separately)
Remote Reset/ Bypass Input:	Dry, N/O or N/C. Reset by momentarily shorting the input when alarmed. Bypass by shorting & holding the input when secure.

OUTPUTS

Alarm Output:	Form C, 2A @ 30VDC max
Auxiliary Output:	Form C, 2A @ 30VDC max. Follows Door Contact input, or Alarm output (fieldselectable)
LED Indicators:	Green - Normal Operation Red - Alarm Activated

CYLINDER
3902 - 1-1/8" recommended (order separately)
HS4 - HN02 NEO Mortise Cylinder

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Just as important as access controls are egress controls. With fail secure openings, egress controls send a signal to unlock the locking device. With low energy automatic operators, knowing acts are needed to send signals to the power operator. These are all essential functions to an electrified opening. Hager Companies provides a wide range of egress controls that will satisfy your customers while being easy to install.

MODELS

2972-M	Momentary SPDT Exit Switch
2972-T	Integrated electric timer (adjustable 1-60 seconds) exit switch

WARRANTY — One-year warranty

APPLICATION
- 2" (50 mm) illuminated switch button for easy activation
- High impact resistant material stands up to abuse
- "Push to Exit" sign complies with NFPA requirements
- Blue illuminate button designed for access and egress applications for the disabled

OPTIONS

LEDG	One (1) green LED
LEDR	One (1) red LED
2LED	One (1) green and one (1) red LED
BLU	Disabled access button

ELECTRICAL SPECIFICATIONS

2972M	SPDT, 5A @ 30 VDC
2972T	SPDT, 2A @ 12/24VDC
Wire Leads	6" (152 mm) - 20 gauge

MECHANICAL SPECIFICATIONS

	1 Gang
Dimensions:	2-7/8" (73 mm) W x 4-1/2" (114 mm) H

FINISHES — US32D

MODELS

2973 | Code Compliant Exit Switch with integrated timer (fixed 30 seconds)

WARRANTY | One-year warranty

APPLICATION | • Code compliant manual releasing devices and sensors
• Switch and sensor used together comply with manual releasing device and sensor device requirements for access controlled egress doors

Certification: | • 2006 IBC 1008.1.3.4
• 2012 IBC 1008.1.9.8
• NFPA 7.2.1.6.2
• IFC 1008.1.3.4
• California Fire Code

OPTIONS
LEDG | One (1) green LED
LEDR | One (1) red LED
2LED | One (1) green and one (1) red LED

ELECTRICAL SPECIFICATIONS
Output: | SPDT, 5A @ 30 VDC
Wire Leads | 6" (152 mm) - 20 gauge

MECHANICAL SPECIFICATIONS
| 1 Gang
Dimensions: | 2-7/8" (73 mm) W x 4-1/2" (114 mm) H

FINISHES | US32D

MODELS

2-679-0611	White PIR egress sensor
2-679-0612	Black PIR egress sensor

WARRANTY   One-year warranty

APPLICATION
- Access control system unit
- Unlocks doors automatically when persons approaching door are detected
- Compiles with national fire and building code requirements for access controlled egress doors
- Code compliant Fail Safe mode releases locks when power to PIR sensor is interrupted

Certification: UL Listed 294

ELECTRICAL SPECIFICATIONS

Input: 12 or 24 VAC/DC @ 26 mA max

Output: 2 SPDT dry, 2 amp @ 30VDC

Operating
Temperature: -20° to 120°F (-30° to 49°C)

MECHANICAL SPECIFICATIONS

Dimensions: 1-1/2" (38 mm) W x 6-1/4" (159 mm) H x 1-1/2 (38 mm) D

MODELS
2977 | Stainless Steel Piezoelectric Request-to-Exit Switch

WARRANTY | One-year warranty

APPLICATION | • Designed for indoor, outdoor, commercial, and industrial egress applications
• Ideal for harsh or high traffic conditions

FEATURES
Components: | • Vandal and weather resistant
  - *3/32" (2 mm) stainless steel vandal resistant faceplate*
• No moving parts
• Selectable bi-color illumination status (Relay OFF - red or green)
  (Relay ON - red or green)
• Adjustable timer output, 1-30 seconds
• Superior performance in virtually any environment
• Can be used to control an automatic door, electromechanical lock, strike, or magnetic lock
• May be tied into the remote bypass (request-to-exit) input of an access control system
• Can be used to shunt an alarm system to allow egress from a secure area

ELECTRICAL SPECIFICATIONS
Input: | 12/24 AC/DC

Current: | Idle - 30 mA
Active - 150 mA

Output: | SPDT dry contact, 3 amp @ 30 VDC

Operating
Temperature: | -40° to 160°F (-40° to 71°C)

Relay: | • 100,000 cycles @ 3 A 30 VDC life expectancy
• 200,000 cycles @ 1.5 A 30 VDC life expectancy

MECHANICAL SPECIFICATIONS
Button Switch: | 1 billion cycle life expectancy

Dimensions: | 3" (76 mm) W x 4-3/4" (121 mm) H

FINISHES | US32D

MODELS

2978 — Touchless Exit Switch

WARRANTY — One-year warranty

APPLICATION
- Designed to control eletric locks/strikes, magnetic locks, or automatic door operators
- No touch wave-to-exit switch
- Active with wave of the hand
- For sanitary entry/exit applications

FEATURES

Components:
- Bi-color status illumination
- Quick connect screwless terminal block for easy installation
- No moving parts
- Uses infrared sensor technology

ELECTRICAL SPECIFICATIONS

Current:
- 30 mA standby; 70 mA Active @ 12 VDC
- 15 mA standby; 35 mA Active @ 24 VDC

Output: DPDT, 3 amp dry contact

Activation Time: 1 second or as long as sensor is triggered

LED Color: Standby - red; Active - green

Range: 4" (10 cm)

MECHANICAL SPECIFICATIONS

Dimensions: 2-3/4" (70 mm) W x 4-1/2" (114 mm) H

FINISHES — US32D

MODELS
4801

The Sure Exit is a non-latching, heavy duty, request-to-exit push bar that will activate the 2958 & 2958T when slight pressure is applied to the bar.

WARRANTY

One-year warranty

FEATURES
Components:

- Magnetic lock release
- Access control request-to-exit
- Delayed egress trigger
- Alarm shunt
- CCTV or alarm activation
- Tri-Failsafe
  - *a third redundant micro switch is automatically activated to release the door if both sensors or electronics fail*
- No moving parts, quick, and quiet operation
- Human touch not required
- Sensor calibration not required
- Field installed green sign with 1" letters
- Heavy duty construction
- Narrow, low profile
- Two outputs
  - *two dry contacts for lock release, request-to-exit, alarm shunt, alarm activation, CCTV activation*
- Armored power loop
  - *18" flex stainless conduit*

ELECTRICAL SPECIFICATIONS

Voltage Input:	12/24 VDC ±10% *- no field adjustment*
Current Input:	20 mA @ rest, 115 mA active
Output:	Two, SPDT Dry, 3 Amp @ 28 VDC
Operating Temperature:	0° to 150° F (-18° to 66° C)

MECHANICAL SPECIFICATIONS

Activation Force:	• 5 lbs. (2.2 kg) • Field adjustable up to 15 lbs. (6.8 kg)
Dimensions:	2-3/8" (60 mm) W x 36" (914 mm) H x 1-7/8" (48 mm) D

OPTIONS

- 42" (1,067 mm) wide doors
- 48" (1,219 mm) wide doors

FINISHES

ALM	Aluminum anodized
BLK	Black anodized

NOTES

Length: Bars may be field cut

MODELS

2-659-0368 | For single occupancy normally locked/unlocked restrooms

KIT CONTENTS
- 2-659-0240 Programmable Relay
- 2-659-0369 DPS Switch
- 2-659-0370 Push to Lock Switch
- 2-659-0371 Single Gang Occupied When Lit indicator with buzzer

2-659-0240 | Programmable Relay
Supply Voltage | 12 to 24V AC/DC
Power Consumption | 30 to 130 MA; DRY Output
Temperature Range | -15 degrees to 150 degrees F
Dimensions Housing | 5.2" x 2.2" x 1.0"
Material Input | Clear ABS Plastic
Specification WET | 1 to 4; DRY Contact
Input Contact | 5 to 24V AC/DC
Rating DRY | Relay #1: 3A @ 24 VAC/30VDC
Relay #2: 3A @ 24 VAC/30VDC
Relay #3: 1A @ 24 VAC/30VDC
Contact Rating WET | 1A

2-659-0369 | DSP Switch
Max Current | 0.25A @ 30 VAC/DC
Max Power | 3.0W
Electrical Config. | SPDT
Loop Type | Open or Close
Max Gap Distance | 2"

2-659-0370 | Push to Lock Switch
Switch | SPST
Max Current | 10A @ 125/250 FAC
Max Power Electrical | 373W
Config. High Volt | SPDT
Bulb Low Volt Bulb | 15-24V AC/DC @ 0.06A
12-14V AC/DC @ 0.19A
Mounting | Single Gang
Dimensions | 2-19/25" (W) x 4-13/25" (H) x 3/4" (D)

2-659-0371 | Occupied When Lit Indicator
Voltage | 12-24V AC/DC +/-10%
Indicator | Audible Buzzer (selectable On/Off) and visual LED
Material | Stainless Steel
Certifications | FCC

BUILDING CODES | Ontario Regulation 368/13 Compliant

**2-659-0372
Emergency Kit**

KIT DESCRIPTION　For single occupancy restrooms where someone may require emergency assistance

KIT CONTENTS
• 2-659-0373 Assistance RequiredlLight
• 2-659-0374 Push for Assistance button
• Emergency signage

2-659-0373　Assistance Required Light
Material　Stainless Steel and Polycarbonate
Lamp Voltage Rating　28V AC/DC
Sounder Voltage Rating　16-24V AC/DC
Sounder Current Rating　15 mA
Bulb Type　Miniature Bayonet Type (#313)
Sounder & Lamp Terminal　Two Pigtail Wires (each)
Dimensions:　• Single Gang Faceplate 2-3/4" (W) x 4-1/2" (H)
• White Lens 2-1/4" (W) x 4" (H) x 3-1/8" (D)

2-659-03744　Push for Assistance Button
Voltage　12-24V AC/DC +/-10%
Material　Stainless Steel and Polycarbonate
Indication　Audible Buzzer (selectable On/Off and visual LED)
Button　E-Stop button (push on/pull off)
Accessory　Rubber Weather Gasket
Certifications　FCC

EMERGENCY SIGNAGE
Material　Polystyrene
Dimensions　12" (W) x 5-1/2" (H)
Language　Double Sided (English and French)

BUILDING CODES　Ontario regulation 368-13 Compliant

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Electrified cylindrical locks, mortise locks, and exit devices all require power provided to them. Depending on the application, Hager offers power transfers and ETW Hinges to pass the power source through the door to the device. (See Commercial Hinges for ETW information.)
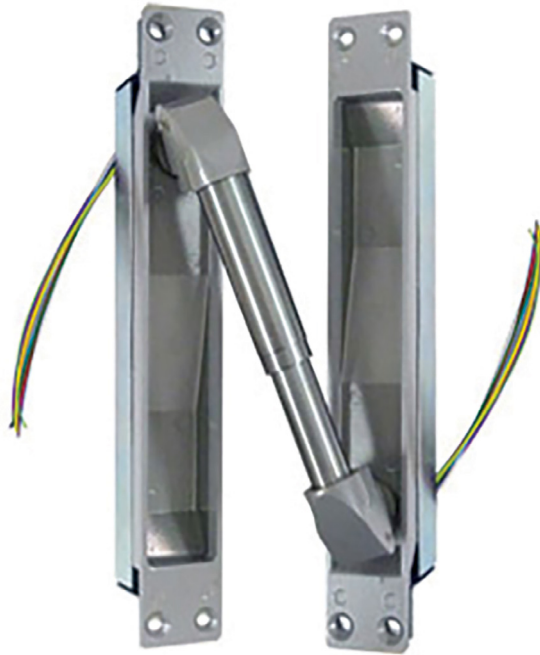
2-679-0620
Concealed Mortise Mount Power Transfer Loop

• Frame mortised steel dust box with flexible steel loop and chrome finish
• Recommended for use with hollow metal frames
• UL Listed
• 11-1/2 (h) x 1 (w) x 3/4 in (d)
 (292 (h) x 25 (w) x 19 (d) mm)

• Provides a concealed and secure means of transferring electric lock
  and exit device power and signal wires from the frame to the door
• Completely concealed when the door is closed
• Ideal for heavy traffic and applications requiring higher security to
  inhibit tampering and abuse
• QC not available

MODELS

2 conductor
Two (2) 18 ga. wires, 5 amp @ 12/24 V AC/DC

2-679-0621
Aluminum powder coat (US28 equivalent)

2-679-0622
Dark brown powder coat (US10B equivalent)

10 conductor
Ten (10) 24 ga. wires, 1 amp @ 12/24 V AC/DC

2-679-0623
Aluminum powder coat (US28 equivalent)

2-679-0624
Dark brown powder coat (US10B equivalent)

FEATURES
• Power control, input for electric locks and exit devices, locked,
  latched, mantrap, forced entry, open status signal wiring
• Mortise door and frame installation
• PTM is completely concealed when the door is closed
• All metal design with stainless steel tubular wire
  transfer and heavy cast housing with steel back boxes
  provide weather and tamper resistance when door is
  open or closed
• Fasteners for wood, steel, and aluminum doors and
  frames included
• UL Listed Miscellaneous Fire Door Accessories
• UL 10C Listed for up to 3-hours on fire-rated doors and frames
• Classified according to Uniform Building Code (UBC)
  Standard 7-2, Fire Test of Door Assemblies (1997)
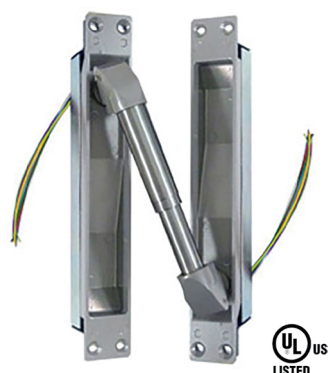
COMPATIBLE OPENINGS
• 1-3/4" (44 mm) thick doors
• 0-180° opening swing with up to 3/4" (19 mm)
  offset pivots
• 0-180° opening swing with up to 5" wide butt hinges
• 0-130° opening swing with up to 5-1/2" (140 mm) wide
  butt hinges
• 0-130° opening swing with up to 6" (152 mm) wide
  butt hinges
• Not compatible with center hung doors, swing clear hinges,
  pocket pivots, butt hinges larger than 6" (152 mm), and
  1-1/2" (38 mm) offset pivots

DIMENSIONS
9" (h) x 1-1/4" (w) x 1-5/8" (d)
229 mm (h) x 32 mm (w) x 41 mm (d)

Monitoring the position of the door is crucial security. Hager Companies offers multiple sensor types that provide monitoring solutions for both new construction and retrofit.
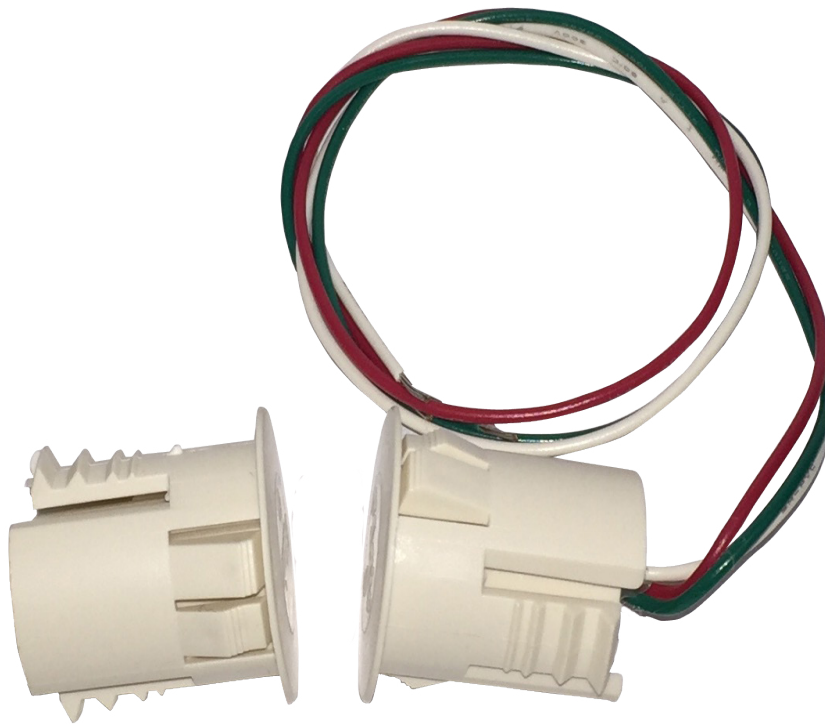
MODELS
2-679-0625 | Concealed Magnetic Contact Switch

WARRANTY | One-year warranty

APPLICATION | Installed in the mortise of a hollow metal or aluminum frame and wood, hollow metal or aluminum door

ELECTRICAL SPECIFICATIONS
Contact: | SPDT, 50mA @ 30 VDC

MECHANICAL SPECIFICATIONS
Gap: | 0.125" (3 mm)

Faceplate: | • 4.875" (h) x 1.25" (w) x 0.125" (d)
| • 123.83 mm (h) x 31.75 mm (w) x 3.18 mm (d)
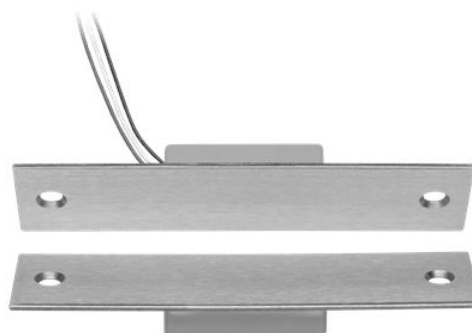
MODELS
2-679-0626 | Magnetic Switch

WARRANTY | One-year warranty

APPLICATION | • Ideal for door status monitoring
| • Easily installed in hollow metal and aluminum doors and frames

ELECTRICAL SPECIFICATIONS
Contact: | SPDT, 50mA @ 30 VDC

MECHANICAL SPECIFICATIONS
Gap: | 0.5" (12.7 mm)
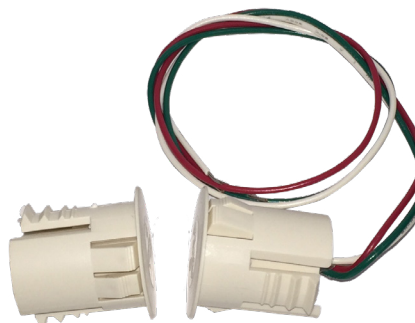
The functionality of power supplies differ based on the electrified components and their intended use. In order to have an optimized and properly operational electrified opening, the power supply should fit the opening, not the other way around. Hager offers different power supply solutions for different types of openings.

The 2903 is designed to optimize the functionality of Fail Safe or Fail Secure locking devices that interface with the building's alarm controls, card readers, keypads, and other access control systems.

The 2904 is designed to optimize openings that include a locking device and automatic door operator.

The 2908, 2909, 2910, and 2911 are modular designs that provide functionality for any type of opening whether it is an electric latch retraction exit device, locking devices that interface with other access controls, door operators with sequencing locking devices, or combination of all of those or just something completely different.

MODELS

2911 | 6A Modular Power Supply

WARRANTY

One-year warranty

DESCRIPTION

• Modular design allows customization of each power supply
• Equipped with a high performance transformer and highly reliable electronic components
• Filtering and output voltage regulation provides protection and ensures the longevity of all system components

FEATURES

Components:

• Output filtering stabilizes the DC output voltage and eliminates AC line noise
• Regulator maintains output voltage at 12 or 24 VDC regardless of load changes and battery charging
• Fire alarm input that provides simultaneous release of all Fail Safe/Fail Secure locks and door holders in case of an emergency
• Field selectable output that provides 12 VDC or 24 VDC
• Circuit breaker protected AC input voltage - secondary output is PTC protected
• LED status indicators Separate PTC protected charging output
• Optional dual 12 VDC or 24 VDC outputs

ELECTRICAL SPECIFICATIONS

Input:
• 800mA @ 115 VAC, 50/60Hz
• 230 VAC optional

Output:
• 12/24 VDC, 2A
• Class 2

Battery Charger: | 13.5/27 VDC, 500 mA

LED INDICATORS

Amber: | AC and DC voltages are OK
Green: | No DC output
Red: | No AC input, powered by batteries

MECHANICAL SPECIFICATIONS

Dimensions:
• 12" x 12" x 4", 18 GA (305 x 305 x 102 mm)
• 20 gauge steel

ACCESSORIES

ELR
• 2-679-0661 - 5 Amp hour battery backup
• 2-679-0662 - 12 VDC output regulator module
• 2-679-0664 - Universal Relay Module
• 2-679-0703 - Sequencer Module
• 2-679-0704 - Access Control Module
• 2-679-0706 - Power Supply Monitor Module

MODELS
2910 | 4A Modular Power Supply

WARRANTY | One-year warranty

DESCRIPTION | • Modular design allows customization of each power supply
• Equipped with a high performance transformer and highly reliable electronic components
• Filtering and output voltage regulation provides protection and ensures the longevity of all system components

FEATURES
Components: | • Output filtering stabilizes the DC output voltage and eliminates AC line noise
• Regulator maintains output voltage at 12 or 24 VDC regardless of load changes and battery charging
• Fire alarm input that provides simultaneous release of all Fail Safe/Fail Secure locks and door holders in case of an emergency
• Field selectable output that provides 12 VDC or 24 VDC
• Circuit breaker protected AC input voltage - secondary output is PTC protected
• LED status indicators Separate PTC protected charging output
• Optional dual 12 VDC or 24 VDC outputs

ELECTRICAL SPECIFICATIONS
Input: | • 800mA @ 115 VAC, 50/60Hz
• 230 VAC optional

Output: | • 12/24 VDC, 2A
• Class 2

Battery Charger: | 13.5/27 VDC, 500 mA

LED INDICATORS
Amber: | AC and DC voltages are OK
Green: | No DC output
Red: | No AC input, powered by batteries

MECHANICAL SPECIFICATIONS
Dimensions: | • 12" x 12" x 4", 18 GA (305 x 305 x 102 mm)
• 20 gauge steel

ACCESSORIES
ELR | • 2-679-0661 - 5 Amp hour battery backup
• 2-679-0662 - 12 VDC output regulator module
• 2-679-0664 - Universal Relay Module
• 2-679-0703 - Sequencer Module
• 2-679-0704 - Access Control Module
• 2-679-0706 - Power Supply Monitor Module

MODELS
2909   2A Modular Access Control Power Supply

WARRANTY   One-year warranty

APPLICATION
- Modular design allows customization of each power supply
- Regulated modular access control power supply
- Equipped with a high performance transformer and highly reliable electronic components
- Filtering and output voltage regulation provide protection and ensure the longevity of all system components

FEATURES
Components:
- Output filtering stabilizes the DC output voltage and eliminates AC line noise
- Regulator maintains output voltage at 12 or 24 VDC regardless of load changes and battery charging
- Fire alarm input that provides simultaneous release of all Fail Safe/Fail Secure locks and door holders in case of an emergency
  - *Provides simultaneous release of all Fail Safe/Fail Secure locks and door holder in case of emergency*
- Circuit breaker protected AC input voltage - secondary output is PTC protected
- LED status indicators separate PTC protected charging output
- Optional dual 12 VDC or 24 VDC outputs
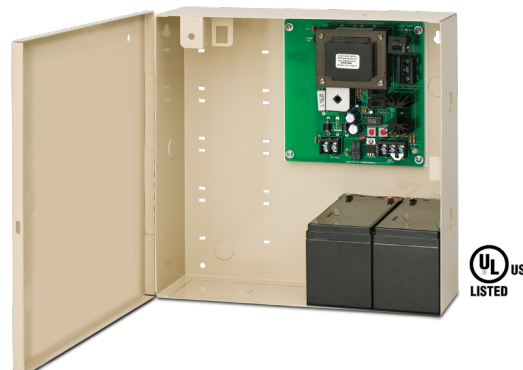
ELECTRICAL SPECIFICATIONS

Input:
- 800mA @ 115 VAC, 50/60Hz
- 230 VAC optional

Output:
- 12/24 VDC, 2A
  - *field selectable*
- Class 2

Battery Charger: 13.5/27 VDC, 500 mA

LED INDICATORS

Amber:	AC and DC voltages are OK
Green:	No DC output
Red:	No AC input, powered by batteries

MECHANICAL SPECIFICATIONS

Dimensions:
- 4" (102 mm) W x 12" (305 mm) H x 12" (305 mm) D
- 12 gauge steel

NOTES   • Suitable for motor driven ELR exit devices

MODELS

2908   1A Modular Access Control Power Supply

WARRANTY

One-year warranty

APPLICATION

- Modular design allows customization of each power supply
- Regulated modular access control power supply
- Equipped with a high performance transformer and highly reliable electronic components
- Filtering and output voltage regulation provide protection and ensure the longevity of all system components

FEATURES

Components:

- Fire alarm input
- *Provides simultaneous release of all Fail Safe/Fail Secure locks and door holder in case of emergency*
- Circuit breaker protected AC input voltage - secondary output and battery backup status
- Separate PTC protected charging output
- Optional dual 12 VDC or 24 VDC outputs
- Standard California compliant manual release
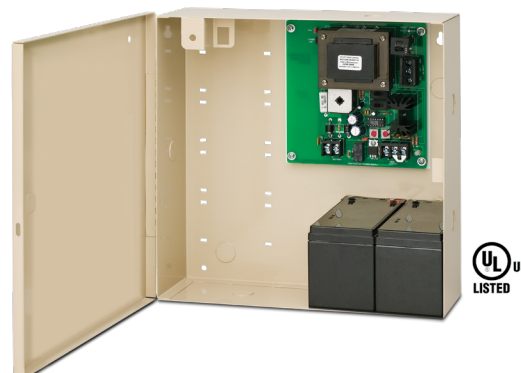
ELECTRICAL SPECIFICATIONS

Input:
- 600mA @ 115 VAC, 50/60Hz
- 230 VAC optional

Output:
- 12/24 VDC, 1A
  - *Field selectable*

Battery Charger: 13.5/27 VDC, 500 mA

MECHANICAL SPECIFICATIONS

Dimensions:
- 4" (102 mm) W x 12" (305 mm) H x 12" (305 mm) D
- 12 gauge steel

ACCESSORIES

2-679-0661
- 5 Amp hour battery backup
- *Uses a separate, protected output for charging - includes a low battery disconnect that protects the battery from potential damage during extended battery powered situations*
- *When multiple batteries are used, install in parallel to increase current, or install in series to increase voltage. For more information, please contact Hager Tech Support.*

2-679-0662
- 12 VDC Output Regulator Module
  - *Enables dual 12V and 24V output*

2-679-0664
- Universal Relay Module
  - *Multiple field selectable operational modes for up to two door stations*

NOTES

- Suitable for motor driven ELR exit devices

MODELS 2-679-0661	5 Amp hour battery backup
WARRANTY	One-year warranty
APPLICATION	Allows continued operation of your access controlled opening upon power failure

MODELS 2-679-0662	12 VDC Output Regulator Module
WARRANTY	One-year warranty
APPLICATION	Allows for dual voltage output applications where openings require a 12VDC and 24VDC

MODELS 2-679-0664	Universal Relay Module
WARRANTY	One-year warranty
APPLICATION	• Conventional Relay (CR) • Dual Conventional Relay (2x CR) • Time Delay Relay (TD) (1-60sec) • Dual Time Delay Relay (2x TD) (1-60sec) • Latching Relay (LR) - Separate Latch and Relase Inputs • Dual Latching Relay (2x LR) Pulse on Pulse off • Time Delay x Latching Relay • Interlock A (Air Lock) • Interlock B (2 Modules Required)

MODELS 2-679-0703	Electric Latch Retraction Sequencer Module
WARRANTY	One-year warranty
APPLICATION	Allow for sequencing of electrified hardware on openings with Auto Operator

MODELS 2-679-0704	Access Control Module
WARRANTY	One-year warranty
APPLICATION	Installer friendly relay board used to control and monitor openings

MODELS 2-679-0706	Power Supply Monitor Module
WARRANTY	One-year warranty
APPLICATION	Provides outputs to monitor Hager 2909 power supply status and A/C power and DC output/battery status

MODELS

2904 | MLR & Auto Operator Access Control Power Supply

WARRANTY | One-year warranty

APPLICATION | Provides power and control for openings with an electrified locking device and automatic door operator

FEATURES

Components:
- Filtered and regulated 24 VDC output
- 2A load capacity
- Class 2 rated outputs
- Overload, over voltage, and short circuit protection
- Automatically accepts 120 or 240 VAC input
- Built in fail safe or fail secure locking device controller
- Built in dry contact output for automatic door operator input
- Auxiliary 24 VDC constant voltage output (1 amp max output)
- Separate input for activation switch on entry and exit side of opening
- Fire alarm input
- Adjustable time delay

ELECTRICAL SPECIFICATIONS

Input: | 900mA @ 120 VAC, 60Hz
       | 600mA @ 240 VAC, 50/60Hz

Output: | 24 VDC, 2A

MECHANICAL SPECIFICATIONS

Dimensions: | 4-1/4" (108 mm) W x 10-1/4" (260 mm) H x 10-1/4" (260 mm) D

NOTES | • Suitable for motor driven ELR exit devices

MODELS

2903 | Access Control & Locking Device Power Supply

WARRANTY | One-year warranty

APPLICATION | For use with Fail Safe and Fail Secure locking devices that interface with building alarm controls, card readers, keypads, and other door controls

FEATURES

Components:
- Filtered and regulated 24 VDC output
- 2A load capacity
- Class 2 rated outputs
- Overload, over voltage, and short circuit protection
- Automatically accepts 120 or 240 VAC input
- Built in fail safe or fail secure locking device controller
- Surge suppression on fail safe and fail secure outputs
- Interface relay isolates locking device outputs from control switch
- Adjustable time delay
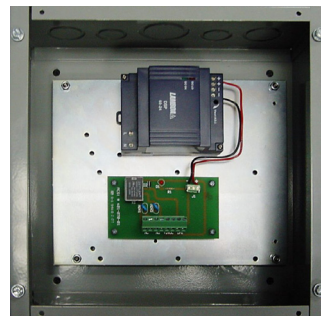
ELECTRICAL SPECIFICATIONS

Input:
- 900mA @ 120 VAC, 60Hz
- 600mA @ 240 VAC, 50/60Hz

Output: | 24 VDC, 2A

MECHANICAL SPECIFICATIONS

Dimensions: | 4-1/4" (108 mm) W x 10-1/4" (260 mm) H x 10-1/4" (260 mm) D

NOTES | • Suitable for motor driven ELR exit devices

As more and more buildings are becoming ADA compliant, more options need to be made available. Hager's low energy operators allow you to do just that without a long list of part numbers to keep track of. Instead, Hager's low energy operators are customizable so that you can meet your customer's requirements and expectations each and every time.

The 8300 Series is Hager's most versatile low energy power operator. The 8300 was designed for easy installation and programming, along with quiet operations and features that make it an ideal choice for ADA openings.
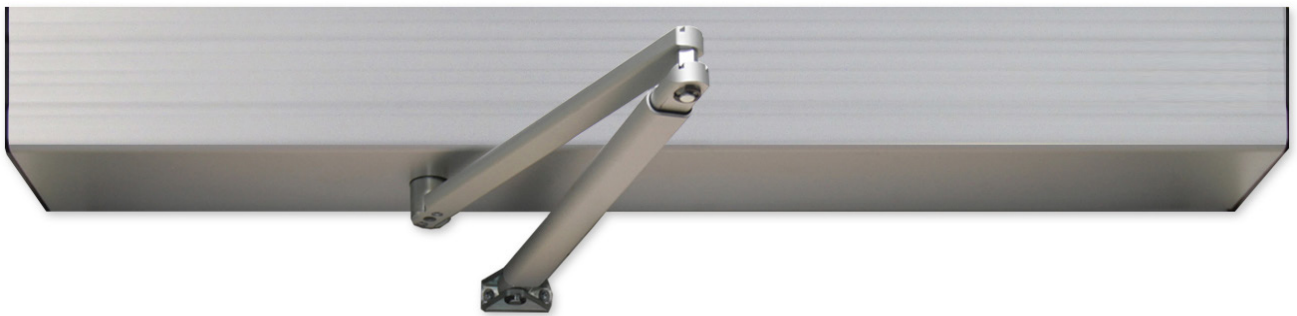
1 Low Energy Power Operators

8300 Series - **(Pages 47-49)**
• Low Energy Power Operator
• Single Operator
• Double Egress Operator
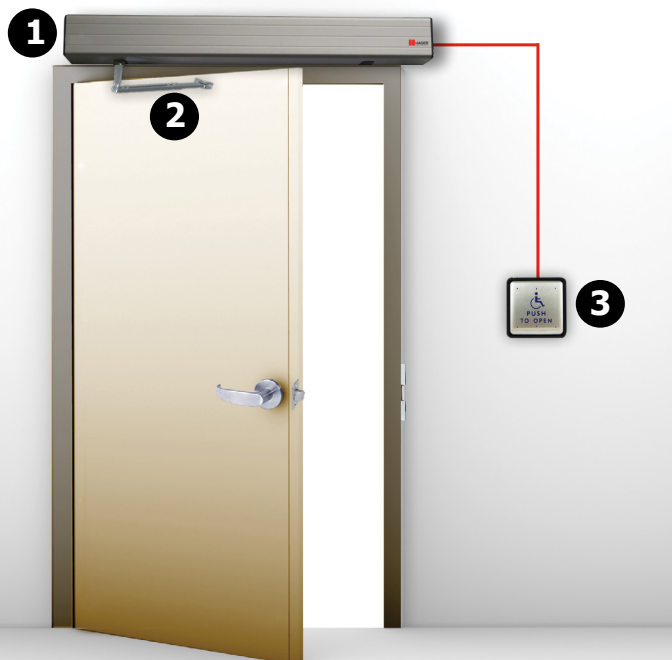
2 Parts & Accessories

8300 Series (Pages 50)

• Standard Arm
• Standard Arm - Double Egress
• Track Arms

Replacement Spindle 20 mm

Replacement Spindle 35 mm

Replacement Spindle 50 mm

Standard Arm

Track Arm - Double Egress

Track Arm

Standard Arm - Double Egress
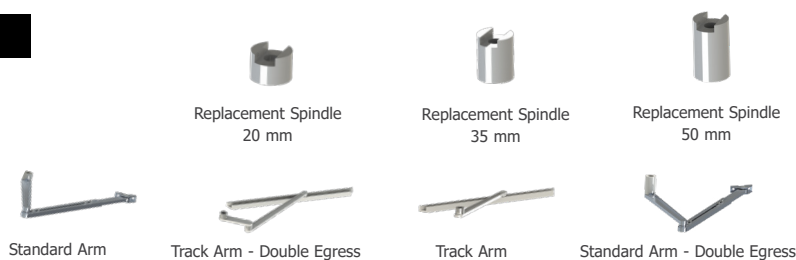
3 Actuators (Pages 51-58)

• 4.5" Square Actuator
• 6" Square Actuator
• 4.5" Round Actuator
• 6" Round Actuator
• 1.5" x 4.75" Jamb Actuator
• 36" Low Profile Actuator
• 4.75" Vestibule Actuator
• Bollard Posts

Square Actuator

Round Actuator

1.5" x 4.75" Jamb Actuator

4.75 Vestibule Actuator

Touchless Square Actuator

Touchless Round Actuator

Bollard Posts

36" Low Profile Actuator

8300 SERIES

83   **18**   **A**   **36"**   **ALM**

Model
18 - Single Operator
19 - Simultaneous Pair
21 - Double Egress Simultaneous Pair

Arm
A - Push
B - Pull

Length
36" - Single
42" - Single
44" - Single
48" - Single
72" - Double
84" - Double
88" - Double
96" - Double

Note: actual size is 3"
additional width

Finish
ALM - Aluminum
DBZ - Dark Bronze (arms are BLK)
BLK - Black

Product Group
83 - Low Energy Power Operator

*** Note: All operator orders must be accompanied with the appropriate order form located on the products'
product portal page under "Related Files."**

MODELS

8318   Single Operator

8319   Simultaneous Pair/Independent Pair

8321   Double Egress Simultaneous Pair

WARRANTY   Two-year warranty

APPLICATION   • For use on interior and exterior fire-rated outswing or inswing doors

FEATURES

Application Features:
- Non-Handed
- Three Operating Modes (On/Off/Hold Open). 8319: switch is shared between both doors on independent configurations.
- Designed for doors up to 48" wide (1219 mm) single, 96" wide (2438 mm) double
- Designed for doors up to 350 lbs. (125 Kg)

Operational Functionality:
- Power Open Spring Close
- Microprocessor controlled for ultra-flat reactions

Certification:
- ANSI A156.19 compliant
- Complies with all U.S. and Canadian ADA requirements for low energy operators
- Appropriate door signage included with each operator
- ANSI/UL 325 listed for both United States and Canada
- ADA compliant
- UL/cUL Listed for up to 3-hours
- UL10C Listed for Positive Pressure Rating

ELECTRICAL SPECIFICATIONS

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
Fused Protection:	3.5A Fuse

08/22/2025

2024

8300 Series Low Energy Power Operator

MECHANICAL SPECIFICATIONS

Dimensions:	• 5" h x 4-1/2"d x Door Opening Width + 3"
Reveal:	• Push Arm: 9-3/4" • Pull Arm: 0" • Double Egress Arm: 4" • Extended Push Arm: 19"
Opening Force:	• < 15 lbs. - Exceeds all ADA Requirements
Closing Force:	• > 8 lbs
Max Degree of Swing:	• Powered - 180° (push), 140° (pull); Mechanical - 180°
On/Off/Hold Open Switch:	• Standard
On/Off Power Switch:	• Standard
Swing Direction:	• Inswing/Outswing
Operating Temperature:	• -4°F to +131 °F
Enclosure Protection:	• NEMA 3R (IP23) Protection against spray water (i.e. rainstorm)

OPERATING PARAMETERS

Adjustable Opening/Closing Speeds:	• Yes, Exceeds all ADA Requirements
Adjustable Swing Degree:	• 80° to 140°
Adjustable Latch Check Speed:	• Yes
Built-in-Stop:	• Manual swing to 180° / Power swing to 140° (pull), 180° (push)
Hold Open Time:	• 5 Second Minimum (per ADA)
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")	• Yes * Safety Sensors required

FINISHES

ALM	Aluminum anodized (standard)
DBZ	Dark Bronze anodized (ships with Black (BLK) arms)
BLK	Black anodized

2-679-0901	8300 - 20MM REPLACEMENT SPINDLE
2-679-0902	8300 - 35MM REPLACEMENT SPINDLE
2-679-0903	8300 - 50MM REPLACEMENT SPINDLE
2-679-0904	8300 - 80MM REPLACEMENT SPINDLE
2-679-0896	8300 - STANDARD ARM W/ 35MM SPINDLE (PUSH) ALM
2-679-0897	8300 - STANDARD ARM W/ 35MM SPINDLE (PUSH) BLK
2-679-0898	8300 - TRACK ARM W/ 20MM SPINDLE (PULL) ALM
2-679-0899	8300 - TRACK ARM W/ 20MM SPINDLE (PULL) BLK
2-679-0900	8300 - DBL EGRESS ARM W/ 20MM SPINDLE (PULL) ALM
2-679-0905	8300 - STANDARD ARM EXTENTION ALM
2-679-0906	8300 - STANDARD ARM EXTENTION BLK
2-679-0907	8300 - KP EVO PROGRAMMING DEVICE

Actuators are what allow the "knowing act" of a low energy operator. Hager offers various styles and types of actuators that will appeal to every installation, including hardwired, wireless, and kinetic. Hardwired (or wired) actuators functionality is not hindered by interferences that a physical barrier may present. Wireless actuators eliminate the need for wiring and kinetic actuators harness power during the physical activation of the actuator, creating the required power to wirelessly transmit the command signal.

82　　**28**　　　　**00H**　　　　　**00**　　　　**03EXT**

Product Group
82 - Actuators

Model
28 - Push Activation ADA Switch
29 - Touchless Activation ADA Switch

Design
00 - Wheelchair Logo | "Push To Open"
01 - Wheelchair Logo | No Text
02 - No Logo | "Push To Open"
03 - Wheelchair Logo + Hand Logo | "Wave To Open"
04 - Wheelchair Logo + Hand Logo | No Text
05 - Hand Logo | "Wave To Open"
06 - Accessibility Logo | "Push To Open"
07 - Accessibility Logo | No Text

Power Type, Size & Shape
00H - Hardwired | 6.0" Round
01H - Hardwired | 4.5" Round
02H - Hardwired | 4.5" Square
03H - Hardwired | Narrow
04H - Hardwired | 36" Tall (Low Profile)
05H - Hardwired | Vestibule
04W - Wireless | 36" Tall (Low Profile)
01K - Kinetic | 4.5" Round
02K - Kinetic | 4.5" Square
03K - Kinetic | Narrow
04K - Kinetic | 36" Tall (Low Profile)
05K - Kinetic | Vestibule

Wireless availability: Hardwired actuators can be converted to wireless by ordering 82TX RF Transmitter (100205151) and 82RX RF Receiver (100205152)

Additional Options
03EXT - Wheelchair Logo + Hand Logo | "Wave To Open" | Exterior Rated
04EXT - Wheelchair Logo + Hand Logo | No Text | Exterior Rated
05EXT - Hand Logo | "Wave To Open" | Exterior Rated
03LR - Wheelchair Logo + Hand Logo | "Wave To Open" | Light Ring
04LR - Wheelchair Logo + Hand Logo | No Text | Light Ring
05LR - Hand Logo | "Wave To Open" | Light Ring

		Wired	Wireless	Kinetic	Touchless	Touchless Light Ring
			Exterior Rated			Interior Only
6" Round		**8228-00H**	Order 82TX transmitter and 82RX receiver	**8228-00K**		**8229-00H**
	/00	8228-00H/00	Order 82TX transmitter and 82RX receiver	8228-00K/00		
	/01	8228-00H/01	Order 82TX transmitter and 82RX receiver	8228-00K/01		
	/03LR					8229-00H/03LR
	/04LR					8229-00H/04LR
	/05LR					8229-00H/05LR
	/06	8228-00H/06	Order 82TX transmitter and 82RX receiver	8228-00K/06		
	/07	8228-00H/07	Order 82TX transmitter and 82RX receiver	8228-00K/07		
4.5" Round		**8228-01H**		**8228-01K**		**8229-01H**
	/00	8228-01H/00	Order 82TX transmitter and 82RX receiver	8228-01K/00		
	/01	8228-01H/01	Order 82TX transmitter and 82RX receiver	8228-01K/01		
	/03LR					8229-01H/03LR
	/04LR					8229-01H/04LR
	/05LR					8229-01H/05LR
	/06	8228-02H/06	Order 82TX transmitter and 82RX receiver	8228-02K/06		
	/07	8228-02H/07	Order 82TX transmitter and 82RX receiver	8228-02K/07		

		Wired	Wireless	Kinetic	Touchless	Touchless Light Ring
		Exterior Rated				Interior Only
4.5" Square		**8228-02H**		**8228-02K**		**8229-00H**
PUSH TO OPEN	/00	8228-02H/00	Order 82TX transmitter and 82RX receiver	8228-02K/00		
(wheelchair)	/01	8228-02H/01	Order 82TX transmitter and 82RX receiver	8228-02K/01		
WAVE TO OPEN	/03LR or /03EXT				8229-02H/03EXT	8229-02H/03LR
(wheelchair)	/04LR or /04EXT				8229-02H/04EXT	8229-02H/04LR
WAVE TO OPEN	/05LR or /05EXT				8229-02H/05EXT	8229-02H/05LR
PUSH TO OPEN	/06	8228-02H/06	Order 82TX transmitter and 82RX receiver	8228-02K/06		
(wheelchair)	/07	8228-02H/07	Order 82TX transmitter and 82RX receiver	8228-02K/07		
Narrow		**8228-03H**		**8228-03K**		
PUSH TO OPEN	/02	8228-03H/02	Order 82TX transmitter and 82RX receiver	8228-03K/02		
(wheelchair)	/01	8228-03H/01	Order 82TX transmitter and 82RX receiver	8228-03K/01		
Low Profile		**8228-04H**		**8228-04K**		
PUSH TO OPEN	/00	8228-04H/00	8228-04W/00	8228-04K/00		
Vestibule		**8228-05H**		**8228-05K**		
PUSH TO OPEN	/06	8228-05H/00	Order 82TX transmitter and 82RX receiver	8228-05K/00		

any combination can be ordered but if the part number is not populated, there may be extended lead times.

APPLICATION

Hardwired is ideal for facilities where the activation switch is being replaced
OR
Battery powered is ideal for new installation in an existing facility
- For use with ADA low energy power operators
- Including medical facilities, assisted living facilities, offices, clean rooms, schools, and buildings with public access.

INSTALLATION

- Order 82TX transmitter (100205151) and 82RX receiver (100205152)
  (Note: Low profile may be ordered with the transmitter and receiver included by ordering 8228-04_W/XX)

ENVIRONMENTAL

Interior
Exterior

OPERATING TEMPERATURE

-4°F to 122°F

USAGE FREQUENCY

High

CERTICATIONS

- NEMA rated

FEATURES

- Hard wired (standard) with wireless option
- Embossed graphics ensures durability
- Stainless steel faceplate provides durability while also reducing visible deterioration caused by abrasive cleaning agents
- Beveled edges

WARRANTY

- One year

MATERIAL

18-gauge stainless steel, brass available
low profile switches: 16-gauge stainless steel
- Finish: US32D with blue graphics

	6" Round	4.5" Round	4.5" Square	Narrow	Low Profile	Vestibule
Voltage	12/24V AC/DC	12/24V AC/DC	12/24V AC/DC	12/24V AC/DC	12/24V AC/DC	12/24V AC/DC
Contact Type	SPDT Form 'C'	SPDT Form 'C'	SPDT Form 'C'	SPDT Form 'C'	SPDT Form 'C'	SPDT Form 'C'
Contract Rating	15A @ 30VDC	15A @ 30VDC	15A @ 30VDC	3A @ 30VDC	15A @ 30VDC	3A @ 30VDC
Switch Type	Momentary	Momentary	Momentary	Momentary	Momentary	Momentary
DPDT Switch	Optional	Optional	Optional	Optional	Optional	Optional

Kinetic Actuator Switches

APPLICATION	• Ideal for any existing facility needed to meet ADA public access requirements • Kinetic switches generate power when the plate is pushed, removing the need for wires or batteries to transmit the signal to the receiver. • For use with ADA low energy power operators • Including medical facilities, assisted living facilities, offices, clean rooms, schools, and buildings with public access. • Ideal for new installation in an existing facility.
INSTALLATION	Pushing the activation plate generates the needed power to send the wireless signal
ENVIRONMENTAL	Interior Exterior
OPERATING TEMPERATURE	-4°F to 122°F
CERTICATIONS	• NEMA rated
FEATURES	• Embossed graphics ensures durability • Stainless steel faceplate provides durability while also reducing visible deterioration caused by abrasive cleaning agents • Beveled edges
WARRANTY	• One year
USAGE FREQUENCY	High
MATERIAL	• 18-gauge stainless steel, brass available low profile switches: 16-gauge stainless steel • Finish: US32D with blue graphics

	6" Round	4.5" Round	4.5" Square	Narrow	Low Profile	Vestibule
Voltage	12/24V AC/DC	12/24V AC/DC	12/24V AC/DC	12/24V AC/DC	12/24V AC/DC	12/24V AC/DC
Contact Type	SPDT Form 'C'	SPDT Form 'C'	SPDT Form 'C'	SPDT Form 'C'	SPDT Form 'C'	SPDT Form 'C
Contract Rating	15A @ 30VDC	15A @ 30VDC	15A @ 30VDC	3A @ 30VDC	15A @ 30VDC	15A @ 30VDC
Switch Type	Momentary	Momentary	Momentary	Momentary	Momentary	Momentary
DPDT Switch	Optional	Optional	Optional	Optional	Optional	Optional

APPLICATION	• Ideal for any facility where spreading germs is a concern (i.e., healthcare, K-12) • For use with ADA low energy power operators • Including medical facilities, assisted living facilities, offices, clean rooms, schools, and buildings with public access.
INSTALLATION	• Uses infra-red sensors to detect the knowing act • Infra-red technology is not impacted by direct sunlight
ENVIRONMENTAL	Interior (inlcudes light ring) Exterior (does not include light ring)
OPERATING TEMPERATURE	Alkaline: 32°F to 122°F Lithium: -40°F to 122°F
CERTICATIONS	• NEMA rated
FEATURES	• Embossed graphics ensures durability • Stainless steel faceplate provides durability while also reducing visible deterioration caused by abrasive cleaning agents • Beveled edges
WARRANTY	• One year
USAGE FREQUENCY	High
MATERIAL	• 18-gauge stainless steel, brass available • Finish: US32D with black graphics (note – these are black graphics where the other units are blue graphics)

	6" Round	4.5" Round	4.5" Square
Voltage	12/24V AC/DC	12/24V AC/DC	12/24V AC/DC
Contact Type	SPDT Form 'C'	SPDT Form 'C'	SPDT Form 'C'
Contact Rating	15A @ 30VDC	15A @ 30VDC	15A @ 30VDC
Switch Type	Momentary	Momentary	Momentary
DPDT Switch	Optional	Optional	Optional
Exterior			8229-02H/03EXT
			8229-02H/04EXT
			8229-02H/05EXT
Interior	8229-00H/03LR	8229-01H/03LR	8229-01H/03LR
	8229-00H/04LR	8229-01H/04LR	8229-01H/04LR
	8229-00H/05LR	8229-01H/05LR	8229-01H/05LR

	Hager Item No.
6" Round	
Surface (black)	100205137
Surface (32D)	100205138
42" Bollard (aluminum)	100205140
42" Bollard (dark bronze)	100205141
Surface Mount, Extra Deep	100205149 Use with wireless transmitter
Single Gang Electrical Box	compatible
Double Gang, 4" x 4" Electrical Box	compatible
Touchless, Surface	100205149
4.5" Round	
Surface (black)	100205142
Surface (32D)	100205143
4.5" Square	
Surface	100205148
42" Bollard (aluminum)	100205140
42" Bollard (dark bronze)	100205141
Single Gang Electrical Box	compatible
Double Gang, 4" x 4" Electrical Box	compatible
Touchless, Surface	100205148
Narrow	
Surface, Narrow	100205145
Surface, Offset	100205154
1-3/4" Framing	template incl.
Low Profile	
Surface (grey powder coat)	100205146
Surface (black)	100205147
Vestibule	
Surface, Vestibule	100205144
Double Gang, 4" x 4" Electrical Box	compatible

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Pedestrian sensors are programmed with the door path and if there is anything within the path that was not mapped, it will stop the door from opening. These are useful on any ADA opening. Typically, assisted living facilities, daycare facilities, healthcare facilities, education institutions, multi-family, commercial structures, and government buildings all have ADA openings.

2-659-0332
Overhead Presence Sensor

DESCRIPTION | Overhead presence sensor designed for pedestrian automatic doors.

APPLICATIONS | • Provides protection for pedestrian automatic doors.
• Prevents a closed door from opening and an open door from closing when a pedestrian is in the detection zone

FEATURES | • Versatile sensor can be used on single swing, simultaneous pair, dual egress and folding doors when coupled with an interface / lockout device
• Maximum flexibility with separate pattern width, depth and sensitivity for open and closed door states
• Visible LED monitoring indicator
• Active infrared technology and presence detection
• Easy installation and adjustments with optional programming remote

SPECIFICATIONS

Mounting Angles:	5°, 10° (5° is default setting)
Input:	12-24VAC/VDC (50-60HZ VAC)
Contact Relay:	1A @ 60 VDC/125 VAC
	0.5 - 9s Hold Time
Temperature:	-22°F - 140°F
Dimensions:	11.8" (W) x 1.9" (H) x 1.9" (D)
Opt. Accessories:	2-659-0333 - Programming Remote
	2-659-0334 - Mounting Kit

2-659-0335 / 2-659-0336
Active Infrared Safety Sensor

DESCRIPTION	Door mounted

APPLICATIONS
- Low energy swing doors
- Designed to mount at the top of the door to reduce accidental damage

FEATURES
- Detect the presence of a pedestrian, while the door is opening and closing using triangulation
- Each module detection zone can be adjusted independently
- Active Infrared with background suppression allow for infinite presence detection

SPECIFICATIONS

Models:	2-659-0335 - Single module unit
	2-659-0336 - Single unit w/ master and slave modules
Power Supply:	12-24 VAC/VDC
Detection Range:	0" - 96" (0'-8')
Max. Mounting Height:	96" (8')
Detection Time:	< 50ms
Input Inhibit:	12 – 24 VAC ±10% / 12 – 24 VDC ±10% / Inhibited when voltage is applied
Contact Relay:	1 A @ 30 V (resistive)
	0.1 s – 4.5s hold time
LED Indicators Master:	Red LED = Detection
	Green LED = Active Output
	Red LED = Detection
Operating Temp:	-30°F - 140°F
Dimensions:	34.5"(L) x 1.95" (W) x 1.89" (H)
Functions Selection:	Detection mode - NO or NC
	Normal mode
	Background analysis mode

Individual (2-659-0335) or single w/ slave module (2-659-0336)

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