

# Electrified Products



Hager Companies offers a range of electrified door hardware to help meet building codes and ensure life safety in every building. From electric door strikes to exit switches and magnetic locks, we have you covered.



**2925****Electric Door Strike**

- **Low profile - 1.25" (32 mm) backset**
- **Reversible Fail Safe - Fail Secure**
- **Latch status output standard**
- **Designed for use with cylindrical and mortise lockset with up to 5/8" (15 mm) throw latch bolt**
- **Compact low profile design with internally mounted solenoid and factory-supplied mounting tabs**
- **Quick and easy installation where jamb space is limited**
- **Ideal for high traffic installations**

**FEATURES**

- Low profile - 1.25" (32 mm) backset
- Fail Secure
- Field reversible for Fail Safe operation
- For 1/2" (13 mm) latch or 5/8" (16 mm) latch with 1/8" (3 mm) door gap
- Latch status output, 3 amp - SPDT
- Non-handed, reversible
- All stainless steel parts with durable diecast body for corrosion resistance
- 630 stainless steel standard finish
- ANSI A156.31 compliant

**MODEL**

2925                    4-7/8" (124 mm) faceplate for aluminum, wood, and hollow metal frames

**OPTIONS**

BUZZ                    Buzzer 12/24 VDC (2-679-0028)  
RECT                    Rectifier for AC operation (2-679-0029)

**SPECIFICATIONS**

Input:                    200/100 mA @ 12/24 VDC  
Latch Status:           SPDT, 3 amp @ 30 VDC  
Dimensions:            1-1/4 (w) x 4-7/8 (h) x 1-1/4 (d) in  
                                  32 (w) x 124 (h) x 32 (d) mm



## ELECTRIFIED PRODUCTS



### 2928

#### Multi-Application Electric Strike

- Centerline electric strike
- Four (4) interchangeable application faceplates
- Full monitoring is standard, including latched and unlatched status and keeper closed and deadlocked or unlocked
- Keeper open status optional
- Reversible Fail Safe - Fail Secure, no disassembly
- 1/4" (6 mm) horizontal alignment adjustment
- Plated architectural finishes available
- Ideal for high traffic applications

#### FEATURES

- Low profile - 1-3/16" (30 mm) deep
- Field selectable Fail Secure or Fail Safe
- Field selectable voltage, 12/24V AC/DC
- For 5/8" (16 mm) latch or 3/4" (19 mm) latch with 1/8" (3 mm) door gap
- Non-handed
- All stainless steel parts with durable diecast body for corrosion resistance
- ANSI A156.31, Grade 2
- Latch position status standard
- Keeper closed and deadlocked/unlocked status standard
- 1/4" (6 mm) horizontal alignment adjustment
- Plug-in wire connectors
- Mounting tabs
- Fewer moving parts for maximum life
- Stainless steel standard with square corner faceplate
- Aluminum standard with radius corner faceplate

#### MODEL

2928-SC	4-7/8" (124 mm) x 1-1/4" (32 mm) square corner faceplate
2928-RC	4-7/8" (124 mm) x 1-1/4" (32 mm) radius corner faceplate
2928-6R	6-7/8" (175 mm) x 1-1/4" (32 mm) radius corner faceplate
2928-7R	7-15/16" (202 mm) x 1-7/16" (36 mm) radius corner faceplate

#### FINISHES

US32D	Stainless steel (standard with 2928-SC)
ALM	Aluminum (standard with 2928-RC, 2928-6R, and 2928-7R)
BLK	Black anodized
US4	Dull brass
US10B	Oil rubbed bronze

#### OPTIONS

KOC	Keeper open/closed status
BUZZ	Buzzer 12/24 VDC (2-679-0028)

#### ELECTRICAL SPECIFICATIONS

Dual Vltg Coil:	200/100 mA @ 12/24V DC 140/70 mA @ 12/24V AC
Status:	SPDT, Dry 3 amp @ 30 V (this applies to latch position status and keeper closed & locked status, both standard, as well as keeper open/closed status, which is optional)

#### DIMENSIONS

1-1/4 (w) x 4-7/8 (h) x 1-3/16 (d) in 32 (w) x 124 (h) x 30 (d) mm
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## 2930 Universal Application Electric Strike

- Heavy duty electric strike
- For new or retrofit construction
- Retrofits existing ANSI 4-7/8" (124 mm) strike prep - no centerline relocation
- Designed for installation in hollow metal frames for access control of cylindrical and mortise locksets and mortise exit devices

### FEATURES

- No centerline relocation
- Up to 3/4" (19 mm) latch bolt and 1" deadbolt
- Field reversible, Fail Safe or Fail Secure
- 1/8" (3 mm) horizontal alignment adjustment
- ANSI/BHMA A156.31 Grade 1
- Factory tested 2500 lbs.
- Exceeded 1,000,000 cycles
- UL tested 1500 lb. static strength
- 70 ft-lb dynamic strength
- Internally mounted solenoid, no heat in keeper
- Dual voltage 12/24 VDC
- Tamper resistant
- All stainless steel corrosion resistant parts and heavy cast body and keeper
- Non-handed (deadbolt status handed)
- Plug-in pig tail connectors

### MODEL

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

### FINISHES

US32D	Stainless steel (standard)
US4	Dull brass
US10	Dull bronze
US10B	Oil rubbed bronze
US26	Bright chrome
US26D	Dull chrome

### APPLICATION

- For use on non-fire rated and fire rated doors (exception, may not be used on stairwell doors)
- May not be maintained in the unlocked (energized) state when used with fire rated doors
- Fail Safe is not permitted with the UL fire door accessory label

### MONITORING

- All strikes less monitoring are non handed
- CYL, MOR with monitoring are non-handed
- MDB with monitoring is handed (L-left hand, R-right hand)  
Example: 2930 MDB x DBM-L

#### Latch Bolt Monitor (LBM)

- Signals the door is closed and latched or unlatched and open
- Door closed/latched or open/unlatched status
- Access control door ajar/forced entry signal
- Access control anti-tailgate/timer reset signal
- Airlock and interlock logic

#### Door Secure Monitor (DSM)

- Door secure and unlocked monitoring
- Mantraps, interlocks, airlocks

#### Deadbolt Monitoring (DBM)

- Signals deadbolt projected or retracted
- Deadbolt locked/unlocked status
- Occupied signal rooms/bathrooms
- Deadbolt nightlatch monitoring
- Manual lockout of access control by deadbolt


### ACCESSORIES

BUZZ	Plug-in buzzer, 12/24V Indicates Fail Secure strike is energized and unlocked (2-679-0028)
RECT	Rectifier with wire leads Converts AC to DC (2-679-0029)

### ELECTRICAL SPECIFICATIONS

Dual Voltage:	600/300 mA @ 12/24V DC
Contacts:	SPDT, Dry 5 amp @ 30 V DC

### SECURITY

 UL 1034 Burglary Resistant  
BP 10254  
40WH



UL10C.3H fire-rated, 4' x 8' door  
NFPA 252  
CAN 4-5104  
(Fail secure only)



## ELECTRIFIED PRODUCTS



### 2972

#### Exit Switch

- 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

#### MODELS

2972-MSD	Momentary SPDT
2972-IET	Integrated electronic timer, adjustable 1-60 seconds, 12/24 VDC, SPDT 2 amp contact

#### FINISHES

US3	Bright brass
US4	Dull brass
US10B	Oil rubbed bronze
US26	Bright chrome
US32D	Stainless steel, standard

#### OPTIONS

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

#### SPECIFICATIONS

Contact:	SPDT, 5 amp @ 30 VDC
Timer:	SPDT, 2 amp @ 12/24 VDC
Wire Leads:	6" (152 mm) - 20 gauge
1 Gang:	2-7/8 x 4-1/2 x 20 gauge in 73 x 114 x 0.912 mm





### 2973 Code Compliant Exit Switch

- 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
- IBC 1008.1.3.4
- NFPA 7.2.1.6.2
- IFC 1008.1.3.4
- California Fire Code

#### MODELS

2973-IFT Integrated electronic timer, fixed 30seconds,  
12/24 VDC, SPDT 2 amp contact

#### FINISHES

US3	Bright brass
US4	Dull brass
US10B	Oil rubbed bronze
US26	Bright chrome
US32D	Stainless steel, standard

#### OPTIONS

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

#### SPECIFICATIONS

Contact:	Momentary, SPDT 5 amp @ 30 VCD
Wire Leads:	6" (152 mm) - 20 gauge
1 Gang:	2-7/8 x 4-1/2 x 20 gauge in 73 x 114 x 0.912 mm

#### PIR EGRESS SENSOR



#### MODELS

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

- UL Listed 294
- Access control system unit
- Unlocks doors automatically when persons approaching door are detected
- Complies 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

#### SPECIFICATIONS

Input:	12 or 24 VAC/DC @ 26 mA max
Contact:	2 SPDT dry, 2 amp @ 30VDC
Operating Temp:	-20 degree F to 120 degree F (-29 degrees C to 49 degrees C)
Dimensions:	1-1/2 (h) x 6-1/4 (w) x 1-1/2 (d) in 38 (h) x 149 (w) x 38 (d) mm



## ELECTRIFIED PRODUCTS



### 2977

#### Piezoelectric Exit Switch

- Request to exit switch
- Heavy duty vandal resistant and weatherized
- No moving parts
- Bi-color status illumination
- Designed for indoor, outdoor, commercial, and industrial egress applications
- Constructed of stainless steel and utilizing piezoelectric technology
- Ideal for harsh or high traffic conditions
- Weather resistant
- Ensures superior performance in virtually any environment
- Switch features integrated output timer adjustable for 1-30 seconds
- Red and green can be selected to show relay ON or OFF status
- 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

#### FEATURES

- Vandal resistant stainless steel piezoelectric button
- 3/32" (2 mm) stainless steel vandal resistant faceplate
- Selectable bi-color illumination status (Relay OFF - red, green or non) (Relay ON - red, green, or none)
- Adjustable timer output, 1-30 seconds

#### MODELS

2977 1 Gang

#### SPECIFICATIONS

Input Voltage: 12/24 V AC/DC  
Current: Idle - 30 mA, Active - 60 mA  
Output: SPDT dry contact, 3 amp @ 30 VDC  
Button Switch: 1 billion cycle life expectancy  
Relay: 100,000 cycles @ 3 A 30 VDC life expectancy  
200,000 cycles @ 1.5 A 30 VDC life expectancy  
Switch: Operating environment of -40 degrees F to 160 degrees F (-40 degrees C to 70 degrees C)  
Dimensions: 4-3/4 (h) x 3 (w) x 1-1/8 (d) in  
121 (h) x 76 (w) x 29 (d) mm





**2978****Touchless Exit Switch**

- No touch wave-to-exit switch
- For sanitary entry/exit applications
- DPDT dry contact output
- No moving parts
- Bi-color status illumination

**FEATURES AND APPLICATIONS**

- Uses infrared sensor technology
- Device is active with wave of the hand
- Designed to control electric locks/strikes, magnetic locks, or automatic door operators
- Ideal for use in sanitary applications such as cleanrooms, bathrooms, food processing, hospitals, labs, etc.
- Sensing range up to 4" (10 cm)
- Mounted on a durable stainless steel plate
- Dual LED, illuminated sensor indicates status
- Quick connect screwless terminal block for easy installation

**SPECIFICATIONS**

Input:	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)
Weight:	3 oz. (85 g)
Dimensions:	4-1/2 x 2-3/4 x 1-3/8 in 115 x 70 x 35 mm



## ELECTRIFIED PRODUCTS



### 29KS Key Switch

- Provides an economical method of providing authorized control for a variety of applications
- Choice of several contact configurations ensure 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

#### APPLICATIONS

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

#### FUNCTIONS

- Momentary (MO)
- Timed actuation (1-60 seconds)
- Alternate action (on-off) (AA)

ASD	AA SPDT
MSD	MO SPDT
ADD	AA DPDT
MDD	MO DPDT

#### FEATURES

- 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 (not included)

#### FINISHES

US3	Bright brass
US4	Dull brass
US10B	Oil rubbed bronze
US26	Bright chrome
US32D	Dull stainless steel - standard

#### OPTIONS

ATS	Anti-tamper switch
LEDG	One (1) green LED
LEDR	One (1) red LED
2LED	One (1) green LED and one (1) red LED

#### DIMENSIONS

2.875" x 4-1/2" x 20 gauge  
73 x 114 x 0.912 mm

#### SPECIFICATIONS

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

#### CYLINDER

3902 1-1/8" or 1-1/4" mortise cylinder and two (2) keys, Keyed Different (KD), supplied with standard cam  
Specify if different cam is required.

Note: Single switch assembly requires cloverleaf cam. Dual switch assembly requires standard cam.





### 2-679-0650

#### Emergency Door Release

- Ideal for immediate unlocking of doors that are equipped with Fail Safe electric locks and may influence approval of an electric lock system
- Built-in alarm may be used as a local door annunciator

#### FEATURES

- Alarm
- 2-SPDT 10 amp contacts
- Remote monitoring
- CCTV activation or alarm activation
- Single gang box mounted
- Two replacement glass plates included

#### APPLICATION

Break glass emergency door release 3V-28 VDC, 18 mA with siren (blue)

#### DIMENSIONS

5-1/2" x 3-1/2" x 1-3/8"  
140 x 89 x 35 mm



## ELECTRIFIED PRODUCTS



### 2915/2916

#### Heavy Duty Keypad

- Stand alone digital keypad
- Designed to control access of a single entry point for facilities with up to 500 users
- Each user assigned a personal identification number (PIN)
- Keypad entry of a valid one- to six-digit code activates one or both of the output relays which releases an electric door lock

#### 2915

##### Indoor Keypad - Single Gang

- Indoor blue backlit, moisture-resistant Keypad
- 3/32" (2 mm) thick stainless steel faceplate
- 3 (w) x 4-3/4 (h) x 1-1/2 (d) in
- 1/4" wall extrusion depth
- Available in US3, US4, US10B, US26, US32D

#### 2916

##### Indoor/Outdoor Keypad - Surface Mount

- Heavy cast vandal resistant housing
- Heavy cast metal blue backlit keys
- 3 (w) x 5-6/8 (h) x 1-7/16 (d) in
- Available in US32D

#### SPECIFICATIONS

Voltage:	12/24 VAC/DC
Current:	30 mA typical, 150 mA maximum
Outputs:	Relay 1 - Form "C", 5 amps @ 28 VDC Relay 2 - Form "C", 2 amps @ 28 VDC Outputs 3 & 4 - switch to common, 100 mA @ 24 VDC
Temperature:	-20 degrees F to 130 degrees F -30 degrees C to 54 degrees C
Humidity:	5% - 95% (non-condensing)

#### FEATURES

- 500 users, 1-6 digit PIN codes
- 4 outputs, 2 relay and 2 solid status outputs timed or latching (on/off)
- Assign entry PINs to relays 1 and/or 2
- LED status: access, lockout
- Tactile audible key press, select volume
- Timed anti-passback
- Keypad tamper lockout
- Code activated timed entry PIN disable
- Request-to-exit/enter input, egress Keypad input
- Choice of door sense/relay inhibit input functions
  - Forced entry
  - Door ajar
  - Inhibit relay 1 or 2
  - Auto relock when door closes
- Choice of 2 solid status output functions
  - Alarm shunt
  - Forced entry
  - Door ajar
  - Tamper lockout
  - Keypad active





## 2920 Proximity/PIN Reader

- Stand alone access control reader
- proximity relay module
- HID compatible
- Up to 650 card users
- Key pad programmable
- Does not require software and computer

### FEATURES

- 650 card users
- HID compatible proximity reader
- Up to 3" (76 mm) read range
- Remote relay module for high security
- Weather resistant two-piece reader enclosure
- Access mode selectable
  - Proximity card only
  - Proximity card + PIN
  - Key-in card number only
- Master code for programming functions
- Main password function
- Security password function
- Forced entry/door prop alarm
- Duress output
- User card can be registered/deleted in single or batch mode (with consecutive numbers)
- Key pad lockout and flashing red LED activated when the wrong password is entered more than five times
- Lock and alarm output relays programmable 1-99 seconds or on-off latching

### READER SPECIFICATIONS

Model:	2920
Reader Type:	HID compatible proximity reader 125 KHz
Reader Range:	Card - up to 3" (75 mm) Key Fob - up to 1-1/2" (38 mm)
Keypad:	12 key
Indicator:	2-color LED (green/red)
Memory Buffer:	650 cardholders
Case Material:	ABS (UL 94V-O)
Dimensions:	3 (w) x 4-3/8 (h) x 0.9 (d) in 75 (w) x 112 (h) x 23 (d) mm
Weight:	8.5 oz (250 g)
Operating Voltage:	12 VDC +/- 10%
Operating Temperature:	32°F - 122°F (0°C - 50°C)
Humidity:	30%-95% (non-condensing)

ProxCard®II and ProxKey®II are registered trademarks of HID Corporation.

### PRODUCT OPTIONS

- 2-679-0021**  
HID ProxCard®II, 25 cards
- 2-679-0022**  
HID ProxCard®II, 100 cards
- 2-679-0023**  
HID ProxKey®II, 10 key fobs
- 2-679-0024**  
HID ProxKey®II, 100 key fobs

## ELECTRIFIED PRODUCTS



### 2941/2942 Magnetic Lock

- ANSI/BHMA A156.23 Grade 1 Compliant
- Designed for system integrators, distributors, installers, and building owners presently using low cost import or private label brand access control hardware
- Easy to install
- Provides superior, less obtrusive appearance compared to stainless steel epoxy sealed magnetic locks
- Full monitoring standard
- Quick mount assembly reduces installation time



#### 2941

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

Holding Force: 600 lbs (272 kg)

Includes: Door and lock status outputs for remote monitoring and system application needs

Lock: 9-7/8" (l) x 2-7/8" (h) x 1" (d)  
250 (l) x 73 (h) x 41 (d) mm

Armature: 7-5/16" (l) x 1-1/2" (h) x 1/2" (d)  
186 (l) x 38 (h) x 13 (d) mm

#### 2942

Use: For perimeter and interior door security and access control

Holding Force: 1200 lbs. (545 kg)

Includes: Door and lock status outputs included for remote monitoring and system application needs

Lock: 10-1/2" (l) x 2-7/8" (h) x 1-5/8" (d)  
266 (l) x 73 (h) x 41 (d) mm

Armature: 7-5/16" (l) x 2-3/8" (h) x 5/8" (d)  
186 (l) x 61 (h) x 16 (d) mm

#### STANDARD FEATURES

- Door status, lock status, and bi-color LED
- Interlocking quick mount assembly
- Adjustable mounting bracket with choice of self-drilling and tapping mounting screws or machine screws
- Wire access chamber with terminal block
- Dual voltage 12/24 VDC
- Clear anodized aluminum

#### ELECTRICAL SPECIFICATIONS

Circuitry/Wiring: PC board with voltage and current spike protection, instant release anti-residual magnetism circuit, terminal block for power input and status outputs

Voltage: 12/24 VDC, field selectable

Current: 500 mA @ 12 VDC; 250 mA @ 24 VDC

Lock Status: SPDT, 2 amp @ 30 VDC

Door Status: SPDT, 250 mA @ 30 VDC



## ACCESSORIES FOR 2941 AND 2942

## TOP JAMB MOUNTING KITS FOR INSWING DOORS

**2-679-0100**

Top jamb kit for use with 2942

**2-679-0101**

Top jamb kit for use with 2941

## GLASS DOOR ARMATURE MOUNTING KITS

**2-679-0102**

Glass door kit for use with 2942

**2-679-0103**

Glass door kit for use with 2941

## ANGLE BRACKETS



Used for the extension of a narrow frame header mounting surface, the bracket provides additional surface area for proper lock mounting.

**2-679-0104**

Adjustable angle bracket for use with 2942

10-1/2" (l) x 1-1/2" (w) x 3" (d)

266 (l) x 38 (w) x 76 (d) mm

**2-679-0105**

Adjustable angle bracket for use with 2941

9-7/8" (l) x 1-1/2" (w) x 22" (d)

250 (l) x 38 (w) x 22 (d) mm

**2-679-0106**

Angle bracket for use with 2942

May be cut for use with 2941

10-1/2" (l) x 1-1/2" (h) x 3/4" (d)

266 (l) x 12 (h) x 19 (d) mm

## TOP FILLER PLATES



Used where the frame stop does not provide enough mounting surface area for proper lock mounting.

**2-679-0107**

Stop filler plate for use with 2942

Field cut for 2941

1/2" (h) x 10-1/2" (l) x 3/4" (d)

12 (h) x 266 (l) x 19 (d) mm

**2-679-0108**

Stop filler plate for use with 2942

Field cut for 2941

3/4" (h) x 10-1/2" (l) x 3/4" (d)

19 (h) x 266 (l) x 19 (d) mm

## ELECTRIFIED PRODUCTS



### 2950 Series Magnetic Lock

- Lifetime warranty
- ANSI/BHMA A156.23 Grade 1 Compliant
- Modular design
- Modular upgrade kits
- Field upgradeable without removing from frame
- Uniform design and installation
- Identical housing, template, and accessories
- Quick mount assembly
- Compatible with any access control system
- Adaptable to virtually any application utilizing top jamb or glass door mounting kits
- Epoxy-free design provides superior appearance with a plated or anodized finish on all sides
- Interlocking mounting plate makes it easier to secure wiring and mounting screws



#### MODELS

2951	Single magnetic lock (1,650 lbs holding force)
2952	Double magnetic lock (1,650 lbs holding force)
2953	Single magnetic lock (1,200 lbs holding force)
2954	Double magnetic lock (1,200 lbs holding force)

#### FINISHES

ALM	Aluminum (standard)
DBZ	Dark bronze
BLK	Black anodized
US3	Bright brass
US4	Dull brass
US26	Bright chrome
US26D	Dull chrome

#### OPTIONS

TIME	Built-in field adjustable 0-30 seconds re-lock delay
DPS	Indicates door open and door closed
MBS	Indicates locked and unlocked, low holding power, tampering and obstruction between armature and magnetic core
ATS	-Indicates access cover removal -SPDT dry, 1 amp @ 30 VDC

#### SPECIFICATIONS

Voltage:	12/24 VDC voltage sensing input
2951:	-350 mA @ 24 VDC -670 mA @ 12 VDC -11" (l) x 2-3/4" (h) x 1-9/16" (d) -279 (l) x 70 (h) x 40 (d) mm
2952:	-700 mA @ 24 VDC -1.34 A @ 12 VDC -22" (l) x 2-3/4" (h) x 1-9/16" (d) -559 (l) x 70 (h) x 38 (d) mm
2953:	-125 mA @ 24 VDC -250 mA @ 12 VDC -11" (l) x 2-3/4" (h) x 1-9/16" (d) -279 (l) x 70 (h) x 40 (d) mm
2954:	-250 mA @ 24 VDC -500 mA @ 12 VDC -22" (l) x 2-3/4" (h) x 1-9/16" (d) -558 (l) x 70 (h) x 40 (d) mm

#### STANDARD MOUNTING FASTENERS

Self drilling and tapping sheet metal screws and #10-32 machine screws supplied for different application needs





**ACCESSORIES FOR 2950 SERIES****MODULAR KITS**

For complete details contact Hager to request the Modular Upgrade Kit datasheet or download from the Hager website.

**2-679-0109**

Timer Input Module

Built-in field adjustable 0-30 seconds re-lock delay

**2-679-0110**

Door Position Sensor

Indicates door open and door closed

**2-679-0111**

Magnetic Bond Sensor

Indicates locked and unlocked, low holding power, tampering and obstruction between armature and magnetic core

**2-679-0112**

Anti-Tamper Switch

Indicates access cover removal.

**TOP JAMB MOUNTING KITS FOR INSWING DOORS****2-679-0120**

Top jamb kit for use with 2951 and 2953

ALM

**2-679-0121**

Top jamb kit for use with 2951 and 2953

DBZ

**2-679-0130**

Top jamb kit for use with 2952 and 2954

ALM

**2-679-0131**

Top jamb kit for use with 2952 and 2954

DBZ

**GLASS DOOR ARMATURE MOUNTING KITS****2-679-0160**

Glass door kit for use with 2951 and 2953

ALM

**2-679-0161**

Glass door kit for use with 2951 and 2953

DBZ

Note: For 2952 and 2954, order two (2) glass door armature mounting kits.

**UNIVERSAL HEADER BRACKET**

Used in lieu of angle brackets, a universal header bracket provides a faster mounting solution, saving time and labor costs. Reduce potential for mis-sized and misaligned mounting

holes, broken taps, removal of broken taps. Combined with interlocking easy mount assembly, save up to a half day's labor with the installation of 12 locks.

- Solid 1" (25 mm) bar provides higher security and superior aesthetics
- Machined wire chase provides concealed and secure wiring
- Multiple pre-drilled and tapped mounting holes to accommodate the use of several different locks on either 4" (102 mm) or 4-1/2" (114 mm) aluminum frames

**2-679-0180**

For use with 2951 and 2953

1" x 1" x 11" (25 x 25 x 279 mm)

ALM

**2-679-0181**

For use with 2951 and 2953

1" x 1" x 11" (25 x 25 x 279 mm)

DBZ

**2-679-0190**

For use with 2952 and 2954

1" x 1" x 22" (25 x 25 x 559 mm)

ALM

**2-679-0191**

For use with 2952 and 2954

1" x 1" x 22" (25 x 25 x 559 mm)

DBZ



## ELECTRIFIED PRODUCTS

### SPACER BRACKETS



Aluminum frames with blade stop - lowers magnetic lock below blade stop. Concrete filled hollow metal frames - provides multiple points for concealed wire entry.

- Pre-drilled and tapped specifically for 2951 and 2952 magnetic locks
- Machined wire chase provides multiple points for concealed wire entry from concrete filled frames
- ALM (aluminum) finish

#### 2-679-0200

Bracket for 2951 and 2953  
1/2" x 1-1/2" x 11" (13 x 38 x 279 mm)

#### 2-679-0201

Bracket for 2952 and 2954  
1/2" x 1-1/2" x 22" (13 x 38 x 559 mm)

### ARMATURE MOUNTING PLATE



Armature mounting plates provide a solution for mounting magnetic locks to the top rail of aluminum, glass, wood, and hollow metal doors that do not permit the use of thru bolts.



#### 2-679-0204

Armature mounting plate

#### 2-679-0205

Armature mounting plate with sensor

Note: For 2952 and 2954, order two (2) armature mounting plates.

### FILLER PLATES



Filler plates are for extension of the stop to provide a proper mounting surface on the underside of the header. Available in Aluminum (ALM) or Dark Bronze (DBZ) finish. Contact

Hager for part numbers for additional finishes (including BRZ, BLK, US3, US4, US26, and US26D).

#### For 11" (279 mm) Single Magnetic Lock Models (2951/2953)

#### 2-679-0281

ALM  
1/8" x 1-1/4" (3 mm x 32 mm)

#### 2-679-0283

DBZ  
1/8" x 1-1/4" (3 mm x 32 mm)

#### 2-679-0291

ALM  
1/4" x 1-1/4" (6 mm x 32 mm)

#### 2-679-0293

DBZ  
1/4" x 1-1/4" (6 mm x 32 mm)

#### 2-679-0311

ALM  
1/2" x 1-1/4" (13 mm x 32 mm)

#### 2-679-0313

DBZ  
1/2" x 1-1/4" (13 mm x 32 mm)

#### 2-679-0321

ALM  
5/8" x 1-1/4" (16 mm x 32 mm)

#### 2-679-0323

DBZ  
5/8" x 1-1/4" (16 mm x 32 mm)

#### For 22" (559 mm) Double Magnetic Lock Models (2952/2954)

#### 2-679-0381

ALM  
1/8" x 1-1/4" (3 mm x 32 mm)

#### 2-679-0383

DBZ  
1/8" x 1-1/4" (3 mm x 32 mm)

#### 2-679-0391

ALM  
1/4" x 1-1/4" (6 mm x 32 mm)

#### 2-679-0393

DBZ  
1/4" x 1-1/4" (6 mm x 32 mm)

#### 2-679-0411

ALM  
1/2" x 1-1/4" (13 mm x 32 mm)

#### 2-679-0413

DBZ  
1/2" x 1-1/4" (13 mm x 32 mm)

#### 2-679-0421

ALM  
5/8" x 1-1/4" (16 mm x 32 mm)

#### 2-679-0423

DBZ  
5/8" x 1-1/4" (16 mm x 32 mm)



### ANGLE BRACKETS



Angle brackets are used as extensions on shallow door frames to provide adequate mounting surface. Available in Aluminum (ALM) or Dark Bronze (DBZ) finish. Contact Hager for part

numbers for additional finishes (including BRZ, BLK, US3, US4, US26, and US26D).

#### For 11" (279 mm) Single Models

##### **2-679-0491**

ALM

1-1/2" x 1-1/2" (38 mm x 38 mm)

##### **2-679-0493**

DBZ

1-1/2" x 1-1/2" (38 mm x 38 mm)

##### **2-679-0501**

ALM

2" x 1-1/2" (51 mm x 38 mm)

##### **2-679-0503**

DBZ

2" x 1-1/2" (51 mm x 38 mm)

#### For 22" ( mm) Double Models

##### **2-679-0571**

ALM

1-1/2" x 1-1/2" (38 mm x 38 mm)

##### **2-679-0573**

DBZ

1-1/2" x 1-1/2" (38 mm x 38 mm)

##### **2-679-0581**

ALM

2" x 1-1/2" (51 mm x 38 mm)

##### **2-679-0583**

DBZ

2" x 1-1/2" (51 mm x 38 mm)

### DOOR COORDINATOR LOCK MOUNTING KITS



##### **2-679-0210**

Door coordinator lock mounting kit for use with 2951 and 2953

ALM

##### **2-679-0220**

Door coordinator lock mounting kit for use with 2952 and 2954

DBZ



## ELECTRIFIED PRODUCTS



### 2961 Magnetic Shear Lock

- 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
- Ideal for commercial grade hollow metal and wood doors and frames and Herculite doors with top rails



#### FEATURES

- 2,000 lbs. (907 kg) holding force without current inrush or high operating temperature
- 8" x 1-1/2" (203 x 38 mm) lock
- Integrated electronics
- 1-5/8" (41 mm) depth for 1-3/4" - 2" (44 - 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 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 reduces 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

#### RELATED PRODUCTS (SOLD SEPARATELY)

2-679-0600 Wood door reinforcement box

#### SPECIFICATIONS

Automatic Voltage Sensing Input  
650/350 mA @ 12/24 VDC

#### Lock Body Dimensions

8" (l) x 1-1/2" (w) x 1-5/8" (d)  
203.2 (l) x 38.1 (w) x 41.3 (d) mm

#### Armature Assembly Dimensions

8" (l) x 1-1/2" (w) x 7/8" (d)  
203.2 (l) x 38.1 (w) x 22.2 (d) mm

#### ARMATURE

ITC	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	Mounting kit for field prepared horizontal mounting in hollow metal doors with flush edge
HTC	Mounting kit for 1-15/16" deep herculite channels



**2965****Magnetic Shear Lock**

- 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
- Ideal for commercial grade hollow metal and wood doors and frames and Herculite doors with top rails

**FEATURES**

- 2700 lbs. (1225 kg) holding force without current inrush or high operating temperature
- 10-7/16" x 1-1/2" (265 x 38 mm) lock
- Integrated electronics
- 1-5/8" (41 mm) depth for 1-3/4" - 2" (44 - 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 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 reduces 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

**RELATED PRODUCTS (SOLD SEPARATELY)**

2-679-0601 Wood door reinforcement box

**SPECIFICATIONS**

Automatic Voltage Sensing Input  
800/400 mA @ 12/24 VDC

Lock Body Dimensions

10-7/16" (l) x 1-1/2" (w) x 1-5/8" (d)  
265 (l) x 38 (w) x 41 (d) mm

Armature Assembly Dimensions

11" (l) x 1-1/2" (w) x 7/8" (d)  
279 (l) x 38 (w) x 22 (d) mm

**ARMATURE**

ITC	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	Mounting kit for field prepared horizontal mounting in hollow metal doors with flush edge
HTC	Mounting kit for 1-15/16" deep herculite channels



## ELECTRIFIED PRODUCTS



### Power Transfer

#### Heavy Duty Electric Power Transfer

- 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



#### 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 (h) x 32 (w) x 41 (d) mm



### 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" (d)
- 292 (h) x 25 (w) x 19 (d) mm



**4801****Non-Latching Push Bar**

- **Magnetic lock release**
- **Access control request-to-exit**
- **Delayed egress trigger**
- **Alarm shunt**
- **CCTV or alarm activation**

**FEATURES****Tri-Failsafe**

A third redundant micro switch is automatically activated to release the door if both sensors or the electronics fail.

**No Moving Parts, Quick and Quiet Operation**

With no moving parts the pressure sense technology does not suffer wear and provides quick and quiet operation.

**Temperature Tolerant**

Pressure sense technology operates from 0° to 150° F and tolerates sudden and extreme temperature changes.

**Human Touch Not Required**

Unlike touch sensors, activation may be accomplished while wearing heavy gloves, by the hip through a coat, or using a briefcase. Superior egress safety is provided for frail, disabled or wheelchair confined persons unable to touch the bar and is easily activated by a cane or bump from a walker or wheelchair.

**Sensor Calibration Not Required**

Stable pressure sense technology does not require adjustment or tune-in.

**Field Installed Sign 1" Green Letters****Heavy Duty Construction**

The SDC PSB560 uses heavy duty aluminum extrusion and rugged end caps.

**Narrow, Low Profile**

Minimum projection from the door of only 1.875" (47mm).

**Two Outputs**

Two dry contacts for lock release, request-to- exit, alarm shunt, alarm activation or CCTV activation.

**Armored Power Loop**

18" flex stainless conduit included.

**10 Ft Cable**

8 conductor cable included.

**FINISHES**

ALM	628 Aluminum anodized (standard)
US32	629 Bright stainless steel
US320	630 Brushed stainless steel
US3	605 Bright brass
BLK	335 Black anodized

**OPTIONS**

- Power transfer loop with aluminum surface wire junction supplied with bar

**42**

For 42" (1,067mm) wide doors

**48**

For 48" (1,219mm) wide doors

Note: Bars may be field cut.

**SPECIFICATIONS**

Voltage Input:	12/24VDC Voltage sensing. No field adjustment
Current:	20mA at rest, 115 mA active
Output:	Two SPDT Dry contacts. 3 Amp @ 28VDC
Operating Temp:	0° to 150° F (-18° to 65° C)
Height:	2.375" (60.3 mm)
Depth:	1.875" (47.6 mm)
Width:	36" (914 mm) Standard 42" (1,067 mm) 48" (1,219 mm) May be field cut to length
Activation Force	
Factory Set:	5 lbs (2.2 kg)
Field Adjustable:	Up to 15 lbs (6.8 kg)



## ELECTRIFIED PRODUCTS



### 2958

#### Integrated Delayed Egress Lock

- Voice and digital display provides informative annunciation for people without prior knowledge, including the blind and hearing impaired
- Field selectable voice & tone or tone only
- Voice provides warning or safety message, countdown and time of door release
- Digital countdown display also indicates if door was open after lock release.
- Fixed 15 second delay or selectable 15 or 30 second exit delay

#### APPLICATION

##### Airport & Public Facility Security & Safety

Control pedestrian traffic in government, public facilities and transportation facilities, including airport jetways and tarmacs.

##### Loss Prevention

Provide theft protection of merchandise, technology and other valuables such as, art and museum artifacts.

##### Wandering Patient and Infant Protection

Restrict the egress of psychiatric and drug rehab patients, elderly patients in assisted living facilities and restrict the movement of nursery infants for their own safety and security.

##### Operation

Typically used on exit doors, when unauthorized egress is initiated when in the locked mode. 2958 delays egress through the door for 15 or 30 seconds. Meanwhile, the person exiting must wait while personnel or security respond. The door unlocks after 15 seconds have elapsed, permitting egress. A signal from the fire life safety system will release the lock for uninhibited egress in an emergency. 30 second delay available where approved.

##### FACILITY APPLICATION

- Airports
- Convention Halls
- Wholesale Stores
- Retail Stores
- Long Term Care
- Drug Rehab
- Psychiatric Care
- Infant Nurseries
- Museums • Art Galleries
- Warehouses
- Technology Facility

##### CODE COMPLIANCE

- IBC, International Building Code - 1008.1.8.6 Delayed Egress Locks
- IFC, International Fire Code - 1008.1.8.6 Delayed Egress Locks
- NFPA 101, Life Safety Code - 7.2.1.6.1 Delayed Egress Lock

- CBC, California Building Code - 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) Electro-Magnetic Locking Devices. Certificate of approval available

##### ACCESS CONTROL

Access controls may be utilized for authorized egress, access and lock reset. Access from the exterior of latching doors requires an additional means of mechanical lock release, such as a mechanical key or electric strike.

##### LOCAL APPROVAL

All installations must be approved by the Authority Having Jurisdiction (AHJ).

##### SINGLE MODEL

For use with single doors equipped with mortise or Rim mount exit devices, Surface or Concealed Vertical Rod exit devices with surface or concealed strikes and triggers, or mortise or cylinder locksets.

##### TANDEM MODEL

- Activating either door unlocks both doors
- For use with pairs of doors equipped with mortise or rim mount exit devices, surface or concealed vertical rod exit devices with surface or concealed strikes and triggers, or mortise or cylindrical locksets



##### VERBAL AND DIGITAL ANNUNCIATION

Incorporates an alternating verbal message, verbal countdown and alarm tone, plus a large digital countdown display and door release indicator that provides a clear warning for the safety of people without prior knowledge of door operation, including the blind and hearing impaired.





**FEATURES**

- Field selectable voice message and alarm tone, or alarm tone only, 75 db @ 3 ft
- The visual display provides a digital countdown, indicates lock release and verifies if the door was opened for egress.
- Choice of fixed 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: Door movement Exit device with switch kit Exit sense bar for non-latching doors
- Field selectable automatic or manual relock upon power up after emergency release or power loss.
- Integrated 3 position key switch provides: Lock and alarm reset Manual power-up\* Sustained bypass, timed bypass, adj. for 1, 15, 20 or 30 seconds
- Field selectable door prop alarm: Alarm sounds when door is left open after selected bypass time has elapsed.
- Anti-tailgate feature
- Single or multi-door zone control and reset capability

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

**OPTIONS**

- Custom message, language or shortened exit delay times
- Magnetic Bond Sensor output
- Door Status Sensor output
- Anti-tamper sensor output

**SELF ADJUSTING DOOR MOVEMENT SENSOR**

The built-in door movement sensor may only be used with doors equipped with a latch assembly, such as a mechanical lockset or exit device.

The mechanical latch mechanism must be locked on the exterior and unlocked on the interior. From the inside, retracting the door latch and applying pressure causes limited door movement. The built-in activation trigger senses the door movement and initiates delayed egress operation. The self adjusting sensor helps prevent false triggering.

**EXTERNAL DEVICE TRIGGER INPUT****Activation For Non-Latching Doors**

The external activation trigger input must be used with doors without latch assemblies, such as latchless glass and herculite doors. Activation may be triggered by the 4801 switch bar or request-to-exit push bar. A power transfer device is required. Pushing on the request to exit push bar immediately activates

the delayed egress operation.

**Activation For Latching Doors**

Where preferred, activation may be accomplished by a latch monitoring strike, or a switch installed in a standard latching exit device or lockset. A power transfer device is required for exit devices equipped with a trigger switch.

**AUTOMATIC OR MANUAL POWER UP**

Field selectable method of lock power-up, automatic or manual, after power loss or emergency release.

**Auto Power-Up**

When selected, regardless of the means of deactivation, relocking occurs when power is restored and/or the fire life safety panel is reset. Manual Power-Up UBC, California Building Code (OSHPD) Compliant Reset When selected, regardless of the means of deactivation, relocking is by manual means only at the door. Only after power restoration and/or fire life safety panel reset, the door may be relocked by actuating the standard built-in key reset or optional wall mounted key switch, push switch or digital keypad located adjacent to the door.

**ELECTRICAL SPECIFICATIONS**

Input: Dual voltage sensing  
Voltage: 12/24 VDC +/- 10%

Standard	1650 lbs holding force
2958	830mA @ 12VDC 450mA @ 24VDC
2958T	1500mA @ 12VDC 850mA @ 24VDC

**Inputs**

Request to Exit - Normally open, dry  
Fire Alarm Release - Alarm panel closed dry contact. Opening of contact releases lock

**Monitoring Outputs**

Alarm Output:  
SPDT Dry, 1 Amp @ 30VDC  
Lock Secure Unlocked Output:  
SPDT Dry, 1 Amp @ 30VDC  
DPS Door Position Status: (optional)  
SPDT Dry, 250 mA @ 30VDC  
BAS Magnetic Bond Status: (optional)  
SPDT Dry, 250 mA @ 30VDC  
ATS Anti Tamper Sensor: (optional)  
SPDT Dry, 1 Amp @ 30VDC



## ELECTRIFIED PRODUCTS

### MECHANICAL SPECIFICATIONS

BHMA Certified ANSI Grade 1

Holding Force: 1650 lbs (2958)  
Single: 11"L x 2-3/4"H x 2-5/8"D  
(279 x 70 x 67mm)

Tandem Master: 11"L x 2-3/4"H x 2-5/8"D  
(279 x 70 x 67mm)

Slave: 11"L x 2-3/4"H x 2-5/8"D  
(279 x 70 x 67mm)

Armature: 7-3/8"L x 2-3/8"H x 9/16"D  
(187 x 60 x 14mm)

### MODELS

2958 Single  
2958T Tandem

### OPERATION MODE

NA NFPA 101, IBC and IFC Compliant

Field selectable:

- 15 or 30 second exit delay
- 1 or 2 second nuisance delay
- Field selectable automatic or manual power-up after emergency release

ND California Building Code (OSHPD\*), NFPA 101, IBC & IFC Compliant

- Fixed 15 second exit delay
- Fixed 1 second nuisance delay
- Field selectable automatic or manual power-up after power loss or emergency release

BD BOCA, National Building Code  
Chicago Building Code

- 15 second fixed exit delay
- 1 second nuisance delay
- Auto reset 30 seconds after door closure - auto reset is retriggered if door opens before 30 seconds has elapsed
- 45 seconds when AHJ approved

### BUILT-IN RESET AND CONTROL

- KS Built in key switch. Provides 1-30 second timed bypass, sustained by- pass and alarm reset (standard)
- PS Built in reset push switch. Available with NFPA (NA) only
- NS Less key or push switch

### FINISHES

Anodized Finishes

ALM 628 Aluminum (standard)

DBZ 313 Dark Bronze

BLK 335 Black

Special Plated Finishes

US3 605 Bright Brass

US4 606 Dull Brass

US26 625 Bright Chrome

US260 626 Dull Chrome

### OPTIONS

DPS Door Position Status

Provides remote monitoring of the door open or closed status and indicates the door has actually been opened for egress after alarm activation. (Specify 2 for tandem)

MBS Magnetic Bond Alert Sensor

Indicates locked with full holding power or unlocked, reduced holding power, tampering or foreign material between the electromagnet and armature. (Specify 2 for tandem)

ATS Anti-Tamper Switch

Detects attempt to remove the access cover. (Specify 2 for tandem)

### 4801 PUSH BAR

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

4801 ALM Aluminum Anodized

4801 BLK Black Anodized

Stainless steel and brass optional 36" is standard. For wider doors specify 42" or 48". May be field cut.

### Specifications

Voltage Input: 12/24VDC

Current Input: 20 mA at rest, 115 mA active

Output: Two, SPDT Dry, 3 Amp @ 28VDC

Operating Temperature: 0° - 150° F



**4501****Delayed Egress with Wall Mount Controller**

- Verbal exit instructions or alarm tone only and digital countdown display
- Stop employee theft
- Stop retail shoplifting
- Restrict airport patrons
- Restrict wandering patients

Hager 4500 Series delayed egress panic and fire exit devices are available in Rim, and Surface Vertical Rod configurations. A wall mount controller incorporates all delayed egress logic for 15 or 30 second exit delay, alternating 85 db tone and voice message with a digital countdown display that provides clear and comprehensive instructions for persons without prior knowledge of door operation and personnel notification. A keypad provides reset and bypass control, eliminating the need of keys that may be misplaced or lost.

**APPLICATION**

When unauthorized egress is initiated, Hager 4501 DE delays egress through the door for 15 or 30 seconds. Meanwhile, the person exiting must wait, while personnel or security responds. The door unlocks after 15 or 30 seconds have elapsed permitting egress. When powered by a fire control supervised power supply, the lock will release immediately in an emergency.

Applications include:

- Theft protection for technology, merchandise and other valuables, such as museum artifacts.
- Restriction of airport patrons and public facility visitors for security and public safety.
- Restricting the egress of patients for their own safety.

**FEATURES****Egress Delay**

- 15 or 30 second exit delay
- 1 or 2 second nuisance delay

**Built-In Function Keypad**

- Alarm and lock reset
- 1 to 30 second bypass
- Sustained bypass
- Additional keyswitch

**Control Inputs**

- 1 to 30 second request-to-exit and access bypass with anti-tailgate
- Alarm reset

**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

**Choice of Mounting**

- Recessed mounted (3 gang plaster ring included)
- Surface mounted with optional 3 gang box (DEC-J)





**Trigger Modes**

Trigger input from exit device field selectable (N/O or N/C)

**Power-Up Modes**

- Field selectable automatic or manual power up after emergency release or power loss
- Use of manual power up complies with California Building Code (OSHPD) requirements

**Display Modes**

-  Door armed and locked
-  Alarm countdown period has ended, door is unlocked and alarm sounding until reset
-  Door has been opened after REX, bypass, or alarm
-  Door unlocked and alarm is shunted (REX or bypass)

**Code Compliance**

- FC International Fire Code
- IBC International Building Code
- NFPA 101 Life Safety Code
- NFPA 1 Uniform Fire Code
- California Building Code



## ELECTRIFIED PRODUCTS

### FINISHES

Not available with outdoor lock

ALM 628 Clear anodized aluminum (standard)  
DBZ Dark bronze powder coat (313/613 equivalent)  
BLK 335 Black anodized

### ACCESSORIES

2-679-0641 3 gang interior surface mount box for  
101-DE, 1, 2, or 3 gang box mounted  
2-679-0642 Shroud for surface mount box DEC-J

### SPECIFICATIONS

#### Inputs

Voltage Input: Auto sensing 12/24 VDC  
Reset Input: NO, Dry  
REX Input: NO, Dry  
Trigger: N.C. or N.O., Dry

#### Monitoring Outputs

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

#### Mechanical Specifications

Controller: 6-1/2" x 4-1/2" x 1-1/2"  
165 x 114 x 38 mm





## 2908

### Modular Access Control Power Supply

- Field selectable 12 VDC or 24 VDC output standard
- Optional Dual 12 VDC or 24 VDC output
- Optional California Compliant manual release
- 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



#### CLASS 2 OUTPUTS

To simplify installations that do not require conduit, a Class 2 output is standard and a 6-foot power cord is optional for the 115VAC input where permitted by code.

#### ELECTRICAL SPECIFICATIONS

Input: 115VAC, 600 mA, 50/60 Hz  
(230VAC optional)  
Output: 12/24VDC, 1 Amp  
Battery Charger: 13.5/27VDC, 500 mA

#### MECHANICAL SPECIFICATIONS

Cabinet: 12" x 12" x 4", 18 GA  
305mm x 305mm x 102mm

#### FEATURES

##### Fire/Life Safety

A fire alarm input provides simultaneous release of all fail safe locks and door holders in case of an emergency.

##### Field Selectable Output

The output is field selectable to provide 12VDC or 24VDC.

##### Input and Output Protection

The AC input voltage is circuit breaker protected and the secondary output is PTC protected.

##### System Status

LED status indicators provide information regarding the AC input, DC output, and battery back up status. Outputs for remote annunciation are available.

##### Battery Charging Output

A separate PTC protected charging output provides 13.5 or 27 volts to fully charge the batteries. The secondary output is always precisely maintained at 12 or 24VDC to protect locking devices and components from over voltage while the batteries are charging. The specified secondary output current is also maintained while batteries are charging. De-rating of the secondary output current is not required when charging batteries.

#### BATTERY BACK-UP SELECTION

2-679-0660 5 Amp hour battery

Emergency release input overrides battery back-up, maximum 4 batteries. Back-up time for 12V and 24V using 5 Ah batteries.

Load AMP	Time	
	*5 Ah	**10Ah
0.25	20 hours	40 hours
0.50	10	20
0.75	7.5	15
1.00	5	10

\*12V (1 battery), 24V (2 batteries)

\*\*12V (2 batteries), 24V (4 batteries)

#### DUAL 12 VDC and 24 VDC OUTPUTS

2-679-0661

12 Volt Regulated and Filtered Output Module With the power supply output set at 24VDC for locking devices and components, the addition of the 12VR provides a separate 12VDC, 500 mA output for 12V access controls and components. The total load of both outputs combined may not exceed 1 Amp.

Input: 24VDC

Output: 500 mA @ 12VDC







