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

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

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
- ALM  Aluminum (standard with 2928-RC, 2928-SC, 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)
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
- 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 adjar/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**

- UL10C.3H firerated, 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 30 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

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, 1-35 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)

## 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.

## FINISHES

<table>
<thead>
<tr>
<th>Finish</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>US3</td>
<td>Bright brass</td>
</tr>
<tr>
<td>US4</td>
<td>Dull brass</td>
</tr>
<tr>
<td>US10B</td>
<td>Oil rubbed bronze</td>
</tr>
<tr>
<td>US26</td>
<td>Bright chrome</td>
</tr>
<tr>
<td>US32D</td>
<td>Dull stainless steel - standard</td>
</tr>
</tbody>
</table>

## OPTIONS

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATS</td>
<td>Anti-tamper switch</td>
</tr>
<tr>
<td>LEDG</td>
<td>One (1) green LED</td>
</tr>
<tr>
<td>LEDR</td>
<td>One (1) red LED</td>
</tr>
<tr>
<td>2LED</td>
<td>One (1) green LED and one (1) red LED</td>
</tr>
</tbody>
</table>
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

2915/2916/2916P
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

2916/2916P
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
• Keypad with Prox reader (2916P only)

FEATURES
• 500 users, 4-6 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

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)

PRODUCT OPTIONS (For 2916P only)
ProxCard®II and HID ProxKey®II are registered trademarks of HID Corporation

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
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)
Armature: 7-5/16” (l) x 1-1/2” (h) x 1/2” (d)

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)
Armature: 7-5/16” (l) x 2-3/8” (h) x 5/8” (d)

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

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
ELECTRIFIED PRODUCTS

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

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
Cut for use with 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
Cut for use with 2941
3/4” (h) x 10-1/2” (l) x 3/4” (d)
19 (h) x 266 (l) x 19 (d) mm
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

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Description</th>
<th>Holding Force</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2951</td>
<td>Single magnetic lock (1,650 lbs holding force)</td>
<td></td>
<td>279 x 70 x 40</td>
</tr>
<tr>
<td>2952</td>
<td>Double magnetic lock (1,650 lbs holding force)</td>
<td></td>
<td>559 x 70 x 38</td>
</tr>
<tr>
<td>2953</td>
<td>Single magnetic lock (1,200 lbs holding force)</td>
<td></td>
<td>279 x 70 x 40</td>
</tr>
<tr>
<td>2954</td>
<td>Double magnetic lock (1,200 lbs holding force)</td>
<td></td>
<td>558 x 70 x 40</td>
</tr>
</tbody>
</table>

FINISHES

<table>
<thead>
<tr>
<th>FINISH</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALM</td>
<td>Aluminum (standard)</td>
</tr>
<tr>
<td>DBZ</td>
<td>Dark bronze</td>
</tr>
<tr>
<td>BLK</td>
<td>Black anodized</td>
</tr>
<tr>
<td>US3</td>
<td>Bright brass</td>
</tr>
<tr>
<td>US4</td>
<td>Dull brass</td>
</tr>
<tr>
<td>US26</td>
<td>Bright chrome</td>
</tr>
<tr>
<td>US26D</td>
<td>Dull chrome</td>
</tr>
</tbody>
</table>

OPTIONS

<table>
<thead>
<tr>
<th>OPTION</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TIME</td>
<td>Built-in field adjustable 0-30 seconds re-lock delay</td>
</tr>
<tr>
<td>DPS</td>
<td>Indicates door open and door closed</td>
</tr>
<tr>
<td>MBS</td>
<td>Indicates locked and unlocked, low holding power, tampering and obstruction between armature and magnetic core</td>
</tr>
</tbody>
</table>
| ATS    | -Indicates access cover removal  
|        | -SPDT dry, 1 amp @ 30 VDC                        |

SPECIFICATIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Voltage</th>
<th>Current (mA)</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2951</td>
<td>12/24 VDC</td>
<td>350 (24 VDC), 670 (12 VDC)</td>
<td>279 x 70 x 40</td>
</tr>
<tr>
<td>2952</td>
<td>12/24 VDC</td>
<td>700 (24 VDC), 1.34 (12 VDC)</td>
<td>559 x 70 x 38</td>
</tr>
<tr>
<td>2953</td>
<td>12/24 VDC</td>
<td>125 (24 VDC), 250 (12 VDC)</td>
<td>279 x 70 x 40</td>
</tr>
<tr>
<td>2954</td>
<td>12/24 VDC</td>
<td>250 (24 VDC), 500 (12 VDC)</td>
<td>558 x 70 x 40</td>
</tr>
</tbody>
</table>

STANDARD MOUNTING FASTENERS

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

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
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)
ELECTRIFIED PRODUCTS

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
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
ELECTRIFIED PRODUCTS

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

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

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
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
ELECTRIFIED PRODUCTS

4801
Non-Latching Pressure Sense 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)
**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 valubales 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
- CBC, California Building Code - 1008.1.8.6 Special Egress Control Devices
- BOCA, National Building Code - 1017.4.1.2 Special Locking Arrangements

**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 cylindrical 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 count- down 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.
ELECTRICITY PRODUCTS

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
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 indicatesthe 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
ELECTRIFIED PRODUCTS

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

Monitor 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 1 Uniform Fire Code
- California Building Code
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
ELECTRIFIED PRODUCTS

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

Load Time
AMP | **5 Ah | **10Ah
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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