**Excel™ Series**
**Value Engineered Access Hardware**

Economically Priced Alternative to Low Cost Imports Quality and Flexibility for Commercial Applications. The Excel™ product line is designed for system integrators, distributors, installers and building owners presently using low cost import or private label brand access control hardware.

**MAGNETIC LOCKS**
The value priced Excel™ Architectural Series full featured magnetic locks are easier to install and provide superior, less obtrusive appearance compared to stainless steel epoxy sealed magnetic locks. Full monitoring is standard. The quick mount assembly reduces installation time compared to epoxy sealed magnetic locks.

The value priced Excel™ Commercial Series full featured magnetic lock is made of an epoxy sealed satin stainless steel housing and utilizes the same mounting template as major competitive brands. Full monitoring is standard. Recommended for interior doors or outdoor gate applications.

**ELECTRIC STRIKES**
Value Priced Excel™ 15 Series electric strikes are for centerline latch entry applications for locksets with up to ¾" latchbolts.

The Value Price Excel™ 25 Series are compatible with up to 5/8" latchbolts. Standard features include a latch status output and 12/24V AC/DC input.

**MODULAR POWER SUPPLY/CHARGER**
The value priced Excel™ 621 Modular Power Supply is a full featured, 1 Amp Class 2 Power Supply available in 4 different configurations.

Patent 5,376,910
EXCEL™ E6200 - MAGNETIC LOCK

FEATURES
- Retrofits Securitron M62 and Locknetics 70 locks
- Magnetic Bond Sensor indicates door locked with full holding power
- Door Status indicates door open or closed
- Epoxy sealed electronics, tamper resistant and weatherized for indoor and outdoor use
- Stainless steel machine screws and blind nuts
- 10 ft jacketed, stranded conductor cable
- Dual voltage 12/24VDC
- Architectural stainless steel housing, US32/630

APPLICATION
Security Access Control, & Mantraps, Indoor/Outdoor
1200 lb / 545 kg holding force magnetic lock for exterior, perimeter and interior door security and access control. Magnetic bond sensor and door status outputs are included for remote monitoring, mantraps and system application needs.

SPECIFICATIONS
Mechanical Specifications
| Holding Force | 1200 lbs / 545 kg |
| Housing       | Stainless steel epoxy filled housing. All internal components sealed and weatherized |
| Lock          | 8” L x 3” H x 1.764” D |
| Armature      | 6” L x .8125” H x 2.6875” D |

Electrical Specifications
| Wiring        | 10’ jacketed, stranded conductor cable for power input and status outputs |
| Circuitry     | Voltage and current spike protection and instant release anti-residual magnetism circuitry |
| Voltage       | 12/24VDC, field selectable |
| Magnetic Bond Sensor | SPDT, 250 mA @ 30VDC |
| Door Status Contact | SPDT, 250 mA @ 30VDC |

EXCEL™ E1200 - MAGNETIC LOCK

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 12/24VDC
- 628 Clear anodized aluminum

APPLICATION
Security Access Control & Mantraps
1200 lb / 545 kg holding force magnetic lock for perimeter and interior door security and access control. Door and lock status outputs included for remote monitoring, mantraps and system application needs.

SPECIFICATIONS
Mechanical Specifications
| Holding Force | 1200 lbs / 545 kg |
| Lock          | 10.5” L x 2.875” H x 1.625” D |
| Armature      | 7.3125” L x 2.375” H x .625” D |

Electrical Specifications
| Circuitry and Wiring | PC board with voltage and current spike protection, instant release anti-residual magnetism circuit, terminal block for power input and status outputs |
| Voltage             | 12/24VDC, field selectable |
| Current             | 500 mA @ 12VDC; 250 mA @ 24VDC |
| Lock Status Contact | SPDT, 2 Amp @ 30VDC |
| Door Status Contact | SPDT, 250 mA @ 30VDC |

ANSI/BHMA-A156.23
Grade 1 Compliant
**EXCEL™ E600 - MAGNETIC LOCK**

**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 12/24VDC
- 628 Clear anodized aluminum

**APPLICATION**
Traffic Control, Air-Locks & Communicating Bathrooms
600 lb / 272 kg holding force magnetic lock for interior door traffic control where physical attack is not a concern. Door and lock status outputs included for remote monitoring, mantraps and system application needs.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Mechanical Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Holding Force</td>
</tr>
<tr>
<td>Lock</td>
</tr>
<tr>
<td>Armature</td>
</tr>
</tbody>
</table>

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<tr>
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<tbody>
<tr>
<td>Circuitry and Wiring</td>
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<tr>
<td>Voltage</td>
</tr>
<tr>
<td>Current</td>
</tr>
<tr>
<td>Lock Status Contact</td>
</tr>
<tr>
<td>Door Status Contact</td>
</tr>
</tbody>
</table>

ANSI/BHMA-A156.23
Grade 1 Compliant

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**EXCEL™ E300 - MAGNETIC LOCK**

**FEATURES**
- Lock status
- 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 12/24VDC
- 628 Clear anodized aluminum

**APPLICATION**
Communicating Bathrooms, Cabinets, Display Cases
300 lb / 136 kg holding force magnetic lock for cabinets and display cases. Lock status output included for remote monitoring and system application needs.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Mechanical Specifications</th>
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<tbody>
<tr>
<td>Holding Force</td>
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<tr>
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<tr>
<td>Armature</td>
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<tr>
<td>Current</td>
</tr>
<tr>
<td>Lock Status Contact</td>
</tr>
<tr>
<td>Door Status Contact</td>
</tr>
</tbody>
</table>
HOW TO ORDER

1] SPECIFY MODEL
E600  600 lb/272 kg with door status, locked status & LED
E300  300 lb/136 kg with locked status

E1200  1200 lb/545 kg with door status, locked status & LED
E6200  1200 lb/545kg with SPDT door status, SPDT magnetic bond sensor

2] SPECIFY FINISH : 628 Clear Anodized Aluminum (Standard)

ACCESSORIES

Quick Mount Interlocking Assembly

Outswing

Top Jamb Mounting Kit for Inswing Doors

E12Z Top Jamb Kit for E1200
E6Z  Top Jamb Kit for E600

Glass Door Armature Mounting Kit

E12U Glass Door Kit for E1200
E6U  Glass Door Kit for E600

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

E12L  E1200 Angle Bracket
      May be Field Cut for Use with E600
      Inches: 10-1/2" L x 1-1/2" H x 3/4" D

E SERIES STOP FILLER PLATES
Used where the frame stop does not provide enough mounting surface, the filler bar provides enough additional surface area for proper lock mounting.

E12F01  E1200 Stop Filler Plates
        E600: Field cut for E600
        Inches: 1/2" H x 3/4" D x 10-1/2" L

E12F02  E1200 Stop Filler Plates.
        E600: Field cut for E600
        Inches: 3/4" H x 3/4" D x 10-1/2" L

HOW TO ORDER

1 | SPECIFY MODEL
E600  600 lb/272 kg with door status, locked status & LED
E300  300 lb/136 kg with locked status

E1200  1200 lb/545 kg with door status, locked status & LED
E6200  1200 lb/545kg with SPDT door status, SPDT magnetic bond sensor

2] SPECIFY FINISH : 628 Clear Anodized Aluminum (Standard)

ACCESSORIES

Quick Mount Interlocking Assembly

Outswing

Top Jamb Mounting Kit for Inswing Doors

E12Z Top Jamb Kit for E1200
E6Z  Top Jamb Kit for E600

Glass Door Armature Mounting Kit

E12U Glass Door Kit for E1200
E6U  Glass Door Kit for E600

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

E12L  E1200 Angle Bracket
      May be Field Cut for Use with E600
      Inches: 10-1/2" L x 1-1/2" H x 3/4" D

E SERIES STOP FILLER PLATES
Used where the frame stop does not provide enough mounting surface, the filler bar provides enough additional surface area for proper lock mounting.

E12F01  E1200 Stop Filler Plates
        E600: Field cut for E600
        Inches: 1/2" H x 3/4" D x 10-1/2" L

E12F02  E1200 Stop Filler Plates.
        E600: Field cut for E600
        Inches: 3/4" H x 3/4" D x 10-1/2" L
EXCEL™ 15 SERIES ELECTRIC STRIKE

MODELS
15-4S12U Failsecure, 12VDC Continuous Duty
15-4S24U Failsecure, 24VDC Continuous Duty
15-4S12U Failsafe, 12VDC Continuous Duty
15-4S24U Failsafe, 24VDC Continuous Duty

FEATURES
- For aluminum and hollow metal frames
- For use with 5/8” latchbolt, or up to 3/4” latchbolt with 1/8” door gap
- All stainless steel parts with durable diecast body for corrosion resistance
- Screw terminal input, no wire nuts required.
- Mounting tabs for aluminum and metal frames
- 630 Satin stainless steel face plate
- ANSI A156.31 Grade 2 compliant

SPECIFICATIONS
<table>
<thead>
<tr>
<th>Voltage</th>
<th>150 mA @ 24VDC</th>
<th>200 mA @ 12VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>1-1/4” W x 4-7/8” H x 1-1/2” D</td>
<td></td>
</tr>
</tbody>
</table>

HOW TO ORDER
1| SPECIFY MODEL
   15-4F12U Failsafe, 12VDC
   15-4F24U Failsafe, 24VDC
   15-4S12U Failsecure, 12VDC
   15-4S24U Failsecure, 24VDC
   Not recommended for wood application

2| SPECIFY FINISH
   630 Stainless Steel (standard)

3| SPECIFY OPTIONS (OPTIONAL)
   RMB Buzzer 12/24V AC/DC operation
   BR64XL Rectifier for AC operation

EXCEL™ 25 SERIES ELECTRIC STRIKE

MODEL
25-4U Reversible Failsecure/Failsecure, 12/24V AC/DC
12/24VDC, Continuous Duty, Silent
12/24VAC, Intermittent Duty, Audible Buzz

FEATURES
- For aluminum and hollow metal frames
- For 1/2” latch or 5/8” latch with 1/8” door gap
- Latch status output standard
- Field reversible failsafe/failsecure operation
- All stainless steel parts with durable diecast body for corrosion resistance
- Mounting tabs for aluminum and metal frames
- 630 Stainless steel standard finish
- ANSI A156.31 compliant

SPECIFICATIONS
<table>
<thead>
<tr>
<th>Dual Voltage</th>
<th>200/100 mA @ 12/24VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Latch Status</td>
<td>SPDT, 3 Amp @ 30VDC</td>
</tr>
<tr>
<td>Dimensions</td>
<td>1-1/4” W x 4-7/8” H x 1-1/2” D</td>
</tr>
</tbody>
</table>

HOW TO ORDER
1| SPECIFY MODEL
   25-4U 4-7/8” Square Corner
   Not recommended for wood application

2| SPECIFY FINISH
   630 Stainless Steel (standard)

3| SPECIFY OPTIONS (OPTIONAL)
   RMB Buzzer 12/24V AC/DC operation
   BR64XL Rectifier for AC operation
SPACESAVER® BOLT LOCKS

MODELS
FS23MIV  Dual Failsafe
1091AIV  Failsafe
1091ADLIV  Dead Locking, Failsafe
1291AHV  Failsecure
1490AIV  Fits 1-1/2” Frame (non UL), Failsafe
2490AHV  Failsecure, Fits 1-1/2” frame (non-UL)

FEATURES
- Fits 1.75” (44.5 mm) narrow frames
- Auto relock switch adjustable for wide door gap
- Dual Voltage, 900/450 mA @ 12/24VDC
- 628 anodized aluminum finish

FEATURES
- 1/8” Total bar movement for mechanical switch actuation

SPECIFICATIONS

Mechanical Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>2-3/8”</td>
</tr>
<tr>
<td>Projection (Depth)</td>
<td>1-7/8”</td>
</tr>
<tr>
<td>Door Width</td>
<td></td>
</tr>
<tr>
<td>42” May be field cut</td>
<td></td>
</tr>
<tr>
<td>48” May be field cut</td>
<td></td>
</tr>
</tbody>
</table>

Electrical Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contacts</td>
<td>Add “2” for 2nd mechanical switch for dual-failsafe redundant operation, alarm shunt, or monitoring output</td>
</tr>
<tr>
<td>Door Status Contact</td>
<td>SPDT, 250 mA @ 30VDC</td>
</tr>
</tbody>
</table>

HOW TO ORDER

1| SPECIFY MODEL

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS23MIV</td>
<td>Dual Failsafe</td>
</tr>
<tr>
<td>1091AIV</td>
<td>Failsafe</td>
</tr>
<tr>
<td>1091ADLIV</td>
<td>Dead Locking, Failsafe</td>
</tr>
<tr>
<td>1291AHV</td>
<td>Failsecure</td>
</tr>
<tr>
<td>1490AIV</td>
<td>Fits 1-1/2” Frame (non UL), Failsafe</td>
</tr>
<tr>
<td>2490AHV</td>
<td>Failsecure, Fits 1-1/2” frame (non-UL)</td>
</tr>
</tbody>
</table>

2| SPECIFY FINISH

<table>
<thead>
<tr>
<th>Finish</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>V</td>
<td>628 Aluminum (Standard)</td>
</tr>
<tr>
<td>Y</td>
<td>355 Black</td>
</tr>
<tr>
<td>C</td>
<td>605 Bright Brass</td>
</tr>
<tr>
<td>D</td>
<td>606 Dull Brass</td>
</tr>
<tr>
<td>F</td>
<td>611 Bright Bronze</td>
</tr>
<tr>
<td>G</td>
<td>612 Satin Bronze</td>
</tr>
<tr>
<td>H</td>
<td>613 Oil Rubbed Bronze</td>
</tr>
<tr>
<td>P</td>
<td>625 Bright Chrome</td>
</tr>
<tr>
<td>Q</td>
<td>626 Dull Chrome</td>
</tr>
<tr>
<td>U</td>
<td>630 Dull Stainless Steel</td>
</tr>
</tbody>
</table>

3| SPECIFY OPTIONS (OPTIONAL)

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>Bolt position sensor, SPDT</td>
</tr>
<tr>
<td>D</td>
<td>Door position sensor, SPDT</td>
</tr>
<tr>
<td>BR64XL</td>
<td>Rectifier for AC operation</td>
</tr>
<tr>
<td>PR1000</td>
<td>Power Regulator for 1090 Series</td>
</tr>
</tbody>
</table>

- Auxiliary Locks
- UL 10C Positive Pressure Compliant

EXIT SWITCH BAR

MODELS
Exit Bar for Magnetic Lock Release
MSB550V  36” Aluminum exit switch bar
MSB550Y  36” Black anodized exit switch bar
MSB550S  36” Bright stainless steel exit switch bar
MSB550U  36” Brushed stainless steel exit switch bar

FEATURES

SPECIFICATIONS

Dual Voltage Coil
900/450mA @ 12/24 VDC
1290/2490: 900/450mA @ 12/24 VDC

Dimensions
8” L x 1-1/2” W x 1-5/8” D

HOW TO ORDER

1| SPECIFY MODEL

<table>
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<tr>
<th>Model</th>
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<td>Failsecure</td>
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<td>1490AIV</td>
<td>Fits 1-1/2” Frame (non UL), Failsafe</td>
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<tr>
<td>2490AHV</td>
<td>Failsecure, Fits 1-1/2” frame (non-UL)</td>
</tr>
</tbody>
</table>

2| SPECIFY WIDTH

Bars for Wide Doors:
42  Bar for 42” Door
48  Bar for 48” Door

ACCESSORIES

PT-2U  Power Transfer Loop

CSFM Listed
Listed Door Accessories

- Access Control Systems Unit
- Burglary Resistant Electronic Locking Mechanism
- Releasing Device Accessory
ACCESS CONTROL  POWER SUPPLY/CHARGER

- 2 Separate outputs for lock and access control.
- On-board access control/REX input controls lock power output.
- Fire panel input shuts down lock power output only, without interrupting access control power output.

MODELS

621PJ  Power supply module and cabinet, door mount LED system status indicator. UL Listed 24VAC, 40 VA plug-in transformer

621J  Power supply module, cabinet with door mounted LED system status indicator

621P  Power supply module, retrofit mounting hardware includes flush mount standoffs or Velcro. UL Listed 24VAC, 40 VA plug-in transformer

621B  Power supply module only, retrofit mounting hardware includes flush mount standoffs or Velcro

621P-UME  Power supply module, retrofit mounting hardware includes flush mount standoffs or Velcro. UL Listed 24VAC, 40 VA plug-in transformer, plus Universal Module Enclosure (UME)

FEATURES

- Field selectable 12 or 24VDC
- 1 Amp maximum, Class 2 Output:
  - 1 power limited switched output
  - 1 power limited auxiliary output
- Two control inputs:
  - 1 trigger input, normally open (NO)
  - 1 supervised emergency release input, latching with reset or non-latching
- Short circuit and thermal overload protection
- Battery charger output
- Automatically switched to battery backup when AC fails
- Board mounted LED for AC input, DC output and battery back-up status

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Power Supply Module</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
</tr>
<tr>
<td>Output</td>
</tr>
<tr>
<td>Battery Charger</td>
</tr>
<tr>
<td>Module Dimensions</td>
</tr>
<tr>
<td>Metal Cabinet</td>
</tr>
</tbody>
</table>

HOW TO ORDER

1] SPECIFY MODEL

621PJ  Power supply module and cabinet, door mount LED system status indicator. UL Listed 24VAC, 40 VA plug-in transformer

621J  Power supply module, cabinet with door mounted LED system status indicator

621P  Power supply module, retrofit mounting hardware includes flush mount standoffs or Velcro. UL Listed 24VAC, 40 VA plug-in transformer

621B  Power supply module only, retrofit mounting hardware includes flush mount standoffs or Velcro

621P-UME  Power supply module, retrofit mounting hardware includes flush mount standoffs or Velcro. UL Listed 24VAC, 40 VA plug-in transformer, plus Universal Module Enclosure (UME)

ACCESSORIES

RB12V4  12v/4Ah Battery. 621PJ accommodates two.

RB12V7  12v/7Ah Battery. 621PJ accommodates one.
**EXIT SWITCHES**

**MODELS**

**English Sign**
- **422U** 1 Gang, Wall Mount Exit Switch
  - 2" (50 mm) Button
- **412NU** Narrow Frame Mount Exit Switch
  - 1-⅞" x 1" (44.5 x 25.4 mm) Button

**Spanish Sign**
- **422SU** 1 Gang, Wall Mount Exit Switch
  - 2" (50 mm) Button
- **412NSU** Narrow Frame Mount Exit Switch
  - 1-⅞" x 1" (44.5 x 25.4 mm) Button

**FEATURES**
- Illuminated Green and RED lenses included
- Large, conspicuous and easy to activate
- Always illuminated or provides visual secure/unlocked status when wired to lock power or lock status outputs.
- High impact resistance stands up to abuse
- “PUSH TO EXIT” sign complies with all USA fire and building codes

**SPECIFICATIONS**

- **Input** 115VAC
- **Output** Fused, 1.65 Amp (40VA) @ 24VAC
- **Screw Terminal** Wire Connection
- **UL Listed** Class 2

**ACCESSORIES**

- **BR64XL** Full Wave Bridge Rectifier
  - Converts AC output to DC