We take the worry out of protecting what’s valuable to you.
Lockwood: no worries®
Padde joins Lockwood

ASSA ABLOY has recently repositioned Padde by Lockwood into the Lockwood range with solus brand status. Padde is an Australian-based, niche range that has been supplying quality electromechanical door locking solutions since 1966. Whilst it was given the Lockwood hard endorsement in 2005, the move to new Lockwood branded packaging, part numbers and point of sale will allow Padde to further leverage Lockwood’s brand equity allowing greater focus on marketing and R&D activities, whilst also bolstering and complementing the full Lockwood door hardware package across all market channels. The Padde product we know and love is not changing, simply becoming a full Lockwood branded offering.
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Electric Strikes
The Lockwood Padde Series EL110 Electric Cabinet Lock is a compact, cast aluminium lock specially designed for cabinets having either swing or sliding doors. The Cabinet Lock can be surface mounted either vertically or horizontally and offers maximum flexibility for ease of installation.

EL110 can also be controlled by any existing access control system or simply controlled through a remote keypad or keyswitch. The EL110 is cost efficient, robust, easy to install and suitable for one or multiple cabinet applications.

**Key Features**
- Fail safe/fail secure changeable on site
- Flexible alignment: has a 5mm XY adjustment after installation
- Low current consumption: uses only 187mA @ 12Vdc
- Available in 12Vdc
- Self latching in fail secure mode
- Solenoid rated for continuous use
- 5 Year Tricare Warranty (Padde Series)

**Applications**
- Cabinet locking
- Swing or sliding cabinet doors

**Product Details**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>12Vdc</td>
</tr>
<tr>
<td>Current</td>
<td>187mA @ 12Vdc</td>
</tr>
<tr>
<td>Solenoid</td>
<td>Solenoids are rated for continuous use</td>
</tr>
<tr>
<td>Monitoring</td>
<td>None</td>
</tr>
<tr>
<td>Strength</td>
<td>Holding force 150kg</td>
</tr>
<tr>
<td>Endurance</td>
<td>Cycle tested to 1,000,000 operations</td>
</tr>
<tr>
<td>Environment</td>
<td>Operational temperature range -20c to +60c</td>
</tr>
<tr>
<td>Body</td>
<td>Cast Aluminium Construction</td>
</tr>
</tbody>
</table>

**Standards and Compliance**
- CE Approved
- RCM Certified
EL110 Electric Cabinet Lock

Front Engagement

To prevent over or under-travel, set distance between back mounting face of lock and striker to 37mm.

Lock and Strike Dimensions

To prevent over or under-travel, set distance between back mounting face of striker and centre of nearest fixing hole of lock to 11mm.

Specification Statement

The strike which is to be surface mounted and constructed of Cast Aluminium, should be self latching when used in fail secure mode. The lock must be capable of being changed from Fail Safe to Fail Secure on site. Lock alignment must be adjustable up to 5mm in both “x” and “y” directions both during and after installation. The lock should consume not greater than 187mA @12Vdc and have a solenoid rated for continuous use. Electrical certifications must include RCM mark.

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EL110-1</td>
<td>EL110 Cabinet Lock 12Vdc Fail Safe Non Monitored</td>
</tr>
<tr>
<td>EL110-2</td>
<td>EL110 Cabinet Lock 12Vdc Fail Secure Non Monitored</td>
</tr>
</tbody>
</table>
ES110 Series Electric Strike

The Lockwood Padde Series ES110 is a cost efficient robust Electric Strike with a solid construction of one-piece Cast Aluminium body and Stainless Steel striker. Having a deeper than normal strike-keeper area, ES110 is designed to work with an extensive range of locks and offers the same level of security and reliability usually provided by more expensive electric locking solutions. Extension lips are available to accommodate the installation of Electric Strikes on door frames with different thickness. The ES110 product range of patented Electric Strikes are suitable for use with all access control installations where flexibility, security and lower cost are required.

**Key Features**
- All models IP56 Weather resistant
- Fail safe/fail secure changeable on site
- Stainless steel striker for extra strength and durability
- Stainless steel locking pins
- Available in 12/24Vdc Multi Voltage
- Optional mounting kit
- Installation template
- Suitable For 18mm latch with a 3mm door gap
- 5 Year Tricare Warranty (Padde Series)

**Applications**
- Exposed areas
- High traffic areas
- Open in/open out doors
- Suitable for use with all access control systems

**Product Details**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>12/24Vdc</td>
</tr>
<tr>
<td>Current</td>
<td>243 mA @ 12Vdc - 187mA @ 24Vdc</td>
</tr>
<tr>
<td>Solenoid</td>
<td>Solenoids are rated for continuous use</td>
</tr>
<tr>
<td>Monitoring</td>
<td>None</td>
</tr>
<tr>
<td>Holding Force</td>
<td>680 kg Static Strength Rating</td>
</tr>
<tr>
<td>Endurance</td>
<td>Cycle tested to 1,000,000 operations</td>
</tr>
</tbody>
</table>
| Environment      | Operational temperature range - 20°C to + 60°C  
Weather resistant construction Standard (IP56) |
| Body             | Cast Aluminium Construction |
| Keeper           | Stainless Steel           |
| Latch            | Suitable for 15mm latchbolt with 3mm door gap |

**Standards and Compliance**

- Successfully fire rated up to 4hrs on fire door assemblies in accordance with AS1905.1.2005 (Part 1: Fire resistant door sets)
- Approved to UL 1034 (highest level)
- CE Approved
- RCM Certified
- Weather Resistant (IP56)
**ES110 Series Electric Strike**

**Ordering Information**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES110-1M</td>
<td>ES110 12/24Vdc Fail Safe Non-Monitored</td>
</tr>
<tr>
<td>ES110-2M</td>
<td>ES110 12/24Vdc Fail Secure Non-Monitored</td>
</tr>
</tbody>
</table>

**Accessories Ordering Information**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>220110-502</td>
<td>15mm Extension Lip (26mm total)</td>
</tr>
<tr>
<td>220110-503</td>
<td>25mm Extension Lip (36mm total)</td>
</tr>
<tr>
<td>220110-504</td>
<td>50mm Extension Lip (61mm total)</td>
</tr>
<tr>
<td>220200-518</td>
<td>Mounting Kit</td>
</tr>
</tbody>
</table>

**Note:** All Strikes come pre drilled with Extension Lip holes.

**Note:** For additional Faceplate options see over page.

---

**Specification Statement**

Where Power to Lock and Power to Open functions may be required in the same building, the Strike must be interchangeable from either “Power to Lock” or “Power to Open” on site.

The Electric Strike should not consume current greater than 243mA @ 12Vdc or 187mA @ 24Vdc and have a solenoid suitable for continuous use. Certifications must include RCM and 4hr fire rating.

The Strike should have a minimum holding force of 680kg, and an endurance rating of 1 million cycles.
## Faceplates

<table>
<thead>
<tr>
<th>Faceplate Style</th>
<th>l</th>
<th>w</th>
<th>a</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>A (ANSI Short)</td>
<td>123.7</td>
<td>31.7</td>
<td>104.8</td>
<td>210100-544</td>
</tr>
<tr>
<td>B (ANSI Long)</td>
<td>201.6</td>
<td>36.3</td>
<td>185.7</td>
<td>210100-530</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Faceplate Style</th>
<th>l</th>
<th>w</th>
<th>d</th>
<th>a</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>J</td>
<td>201.6</td>
<td>32</td>
<td>16</td>
<td>185.7</td>
<td>210100-523</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Faceplate Style</th>
<th>l</th>
<th>w</th>
<th>a</th>
<th>b</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>F (UK Sash RH)</td>
<td>251</td>
<td>25</td>
<td>74</td>
<td>12</td>
<td>210100-528</td>
</tr>
<tr>
<td>G (UK Sash LH)</td>
<td>251</td>
<td>25</td>
<td>74</td>
<td>47</td>
<td>210100-527</td>
</tr>
<tr>
<td>L (Short Sash RH)</td>
<td>182</td>
<td>32</td>
<td>36.5</td>
<td>14.7</td>
<td>210100-534</td>
</tr>
</tbody>
</table>

**Note:** All Faceplates are sold separately
ES150 Series Surface Mounted Electric Strike

The Lockwood Padde Series ES150 is a Surface Mounted Electric Strike suitable for use with rim or surface type dead latches. This Strike is easy to install and can be simply controlled by a keypad, keyswitch or integrated into any access control system.

ES150 offers high levels of security and features usually provided by more expensive electric locking solutions. The Electric Strike can be easily installed on steel and wooden door frames. A weather resistant version is also available for exterior applications.

**Key Features**
- Configure to Fail Safe or Fail Secure
- Easy installation suitable for steel and wooden door frames
- Stainless steel striker for extra strength and durability
- Available in 12/24Vdc
- Solenoid rated for continuous use
- IP56 weather resistant version available
- 5 Year Tricare Warranty (Padde Series)

**Applications**
- Surface or rim mounted applications
- Suitable for use with all access control systems
- Exposed areas

**Product Details**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>12 or 24Vdc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current</td>
<td>243 mA @ 12Vdc - 187mA @ 24Vdc</td>
</tr>
<tr>
<td>Solenoid</td>
<td>Solenoids rated for continuous use</td>
</tr>
<tr>
<td>Monitoring</td>
<td>None</td>
</tr>
<tr>
<td>Holding Force</td>
<td>680 kg Static Strength Rating</td>
</tr>
<tr>
<td>Endurance</td>
<td>Cycle tested to 1,000,000 operations</td>
</tr>
<tr>
<td>Environment</td>
<td>Operational temperature range - 20°C to + 60°C Weather resistant construction Standard (IP56)</td>
</tr>
<tr>
<td>Body</td>
<td>Solid Stainless Steel Construction</td>
</tr>
<tr>
<td>Keeper</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>Latch</td>
<td>Suitable for 15mm latchbolt with 3mm door gap</td>
</tr>
</tbody>
</table>

**Standards and Compliance**

- CE Approved
- RCM Certified
- IP56 Rated
ES150 Series Surface Mounted Electric Strike

**Specification Statement**

The Electric Strike must be suitable for surface mounted applications for use with rim or surface mounted door locks.

Where Power To Lock and Power To Open functions may be required in the same building, an individual strike is interchangeable from either “Power to Lock” or “Power to Open” on site.

The Electric Strike should not consume current greater than 243mA @ 12Vdc or 187mA @ 24Vdc. Certifications must include RCM.

The Strike should be tested to 1 million operations and have a minimum holding force not less than 680kg.

---

**Ordering Information**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES150</td>
<td>12/24Vdc Fail Safe Non-Monitored</td>
</tr>
</tbody>
</table>

**Note:** Change from Fail Safe (PTL) to Fail Secure (PTO) as required
The Lockwood Padde Series ES200 Series Electric Strikes are high security products manufactured from Stainless Steel and designed for use with all access control systems. The Strikes are suitable for use with hinged doors which require either fire or security control as part of a building management system.

These Strikes are flexible and can be changed from Fail Safe to Fail Secure, mounted on the left or right hand side of the door and are available in 12 or 24Vdc.

They offer a strong, dependable and long lasting Electric Strike solution.

**Key Features**
- Fail safe/fail secure changeable on site
- High security
- 4 Hour fire rating
- 850kg holding force
- 1 million cycles endurance rating
- Cast stainless steel body
- Stainless steel locking pins
- Low Current consumption - Max 175mA @12Vdc
- Mounting kit supplied as standard
- 5 Year Tricare Warranty (Padde Series)

**Applications**
- High traffic areas
- Fire rated door sets
- Open in/open out doors
- Suitable for use with all access control systems

**Product Details**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>12 or 24Vdc</td>
</tr>
<tr>
<td>Current</td>
<td>175 mA @ 12Vdc - 88mA @ 24Vdc</td>
</tr>
<tr>
<td>Solenoids</td>
<td>Solenoids are rated for continuous use</td>
</tr>
<tr>
<td>Monitoring</td>
<td>None</td>
</tr>
<tr>
<td>Holding Force</td>
<td>850kg Static Strength Rating</td>
</tr>
<tr>
<td>Endurance</td>
<td>Cycle tested to 1,000,000 operations</td>
</tr>
<tr>
<td>Latch</td>
<td>Suitable for 15mm latch bolt with 3mm door gap</td>
</tr>
<tr>
<td>Environment</td>
<td>Operational temperature range -20°C to +60°C</td>
</tr>
<tr>
<td>Body</td>
<td>Solid Stainless Steel Construction</td>
</tr>
<tr>
<td>Keeper</td>
<td>Stainless Steel</td>
</tr>
</tbody>
</table>

**Standards and Compliance**

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>S3</td>
<td>High security for maximum protection (AS4145.2:1993)</td>
<td></td>
</tr>
<tr>
<td>D3</td>
<td>High durability for maximum frequency usage</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Successfully fire rated up to 4hrs on fire door assemblies in accordance with AS1905.1. 2005 (Part 1: Fire resistant door sets)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Approved to UL 1034 (highest level)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CE Approved</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RCM Certified</td>
<td></td>
</tr>
</tbody>
</table>
ES200 Non Monitored Series Electric Strike

**Ordering Information**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES200-1</td>
<td>ES200 E/Strike 12Vdc Fail Safe Non Monitored</td>
</tr>
<tr>
<td>ES200-2</td>
<td>ES200 E/Strike 12Vdc Fail Secure Non Monitored</td>
</tr>
<tr>
<td>ES200-3</td>
<td>ES200 E/Strike 24Vdc Fail Safe Non Monitored</td>
</tr>
</tbody>
</table>

**Accessories Ordering Information**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>210100-541</td>
<td>13mm Rebate Plate</td>
</tr>
<tr>
<td>220200-519</td>
<td>Mounting Kit</td>
</tr>
</tbody>
</table>

**Note:** Change from Fail Safe (PTL) to Fail Secure (PTO) as required

**Specification Statement**

The Strike should be constructed of Stainless Steel, have a minimum holding force of 850kg and have an endurance rating of 1 million cycles. The strike must be changeable from Fail Safe to Fail Secure on site where required. The Strike should not consume current greater than 175mA at 12Vdc and have a solenoid rated for continuous use. Certifications must include RCM and 4 hr fire rating.
The Lockwood Padde Series ES2000 Series Electric Strikes are fully monitored high security products manufactured from Stainless Steel and designed for use with all access control systems. The Strikes are suitable for use with hinged doors which require either fire or security control as part of a building management system.

These Strikes are flexible and can be changed from Fail Safe to Fail Secure, mounted on the left or right hand side of the door and are available in 12Vdc. They offer a strong, dependable and long-lasting Electric Strike solution with an 850kg holding force and endurance rating of 1 million cycles.

**Key Features**
- Fully monitored – strike locked and door latched
- Fail safe/fail secure changeable on site
- High security
- 4 Hour fire rating
- 850kg holding force
- 1 million cycles endurance rating
- Cast stainless steel body
- Stainless steel locking pins
- SCEC Endorsed
- Low Current consumption - Max 175mA @12Vdc
- Solenoid rated for continuous use
- Mounting kit supplied as standard
- 5 Year Tricare Warranty (Padde Series)

**Applications**
- High traffic areas
- Fire rated door sets
- Open in/open out doors
- Suitable for use with all access control systems

**Product Details**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>12Vdc</td>
</tr>
<tr>
<td>Current</td>
<td>175 mA @ 12Vdc</td>
</tr>
<tr>
<td>Solenoids</td>
<td>Solenoids are rated for continuous use</td>
</tr>
<tr>
<td>Monitoring</td>
<td>Solenoid Monitor - 1 amp NO/NC microswitch</td>
</tr>
<tr>
<td>Holding Force</td>
<td>850kg Static Strength Rating</td>
</tr>
<tr>
<td>Endurance</td>
<td>Cycle tested to 1,000,000 operations</td>
</tr>
<tr>
<td>Latch</td>
<td>Suitable for 15mm latch bolt with 3mm door gap</td>
</tr>
<tr>
<td>Environment</td>
<td>Operational temperature range -20°C to +60°C</td>
</tr>
<tr>
<td>Body</td>
<td>Solid Stainless Steel Construction</td>
</tr>
<tr>
<td>Keeper</td>
<td>Stainless Steel</td>
</tr>
</tbody>
</table>

**Standards and Compliance**

<table>
<thead>
<tr>
<th>Certification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>D3</td>
<td>(Durability) Australian Lock Standard (AS4145.2:1993)</td>
</tr>
<tr>
<td></td>
<td>Successfully fire rated up to 4hrs on fire door assemblies in accordance with AS1905.1.2005 (Part 1: Fire resistant door sets)</td>
</tr>
<tr>
<td>UL</td>
<td>Approved to UL1034 (highest level)</td>
</tr>
<tr>
<td>CE</td>
<td>CE Approved</td>
</tr>
<tr>
<td>RCM</td>
<td>RCM Certified</td>
</tr>
<tr>
<td>SCEC</td>
<td>SCEC endorsed for secure areas</td>
</tr>
</tbody>
</table>

Electromechanical Door Solutions
1300 LOCK UP (1300 562 587) lockweb.com.au
ES2000 Series Monitored Electric Strike

13mm Rebate Kit

ES2000 Electric Strike

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES2000-1</td>
<td>ES2000 E/Strike 12Vdc Fail Safe Monitored</td>
</tr>
</tbody>
</table>

Note: If 24vdc version is required use ES2100 Electric Strike

Accessories Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>210100-541</td>
<td>13mm Rebate Plate</td>
</tr>
<tr>
<td>220200-519</td>
<td>Mounting Kit</td>
</tr>
</tbody>
</table>

Note: If Extension Lips are required, use ES2100 Electric Strike (Page 13)

Specification Statement

The Strike should be constructed of Stainless Steel, have a minimum holding force of 850kg and have an endurance rating of 1 million cycles. Monitoring must include independent door / latch & solenoid monitoring. The one strike must be changeable from Fail Safe to Fail Secure on site where required. The strike should not consume current greater than 175mA at 12Vdc and have a solenoid rated for continuous use. Certifications must include CE, C-Tick and 4 hr fire rating.
ES2100 Series Monitored Electric Strike

The Lockwood Padde Series ES2100 is the latest product to join the iconic Lockwood range of Electric Strikes. Tested in accordance with Australian Standards this Strike offers superior strength, and is durability tested to 1.5 million operations.

Standard features include variable voltage, patented field selectable Fail Safe/Fail Secure mode change and a unique integrated door position switch.

**Integrated Door Position Switch**

The ES2100 now offers a unique new monitoring feature not available in other Strikes on the market today. The Strike has an integrated reed switch that when combined with a specialised Lockwood Mortice Lock provides door position monitoring. The Strike is supplied with a standard door magnet for use with cylindrical latches. Lockwood Mortice Locks and Faceplate accessories are sold separately.

**Key Features**
- Patented field selectable Fail Safe/Fail Secure
- Multi voltage 10–30Vdc
- Fully monitored:
  - Integrated door position (reed) switch
  - Solenoid/Locked
  - Latch position
- 1000kg holding force
- 4hr fire rating
- Mounting tabs as supplied standard
- 5 Year Tricare Warranty (Padde Series)
- Weather Resistant (IP54)
- Built-in Protection Diode

**Applications**
- High traffic areas
- Fire rated door sets
- Open in/open out doors
- Suitable for use with all access control systems
- Doors requiring additional door position monitoring

**Product Details**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>Variable 10–30Vdc</td>
</tr>
<tr>
<td>Current</td>
<td>200mA @ 12Vdc - 120mA @ 24Vdc</td>
</tr>
<tr>
<td>Solenoids</td>
<td>Rated for continuous use</td>
</tr>
<tr>
<td>Monitoring</td>
<td>Strike locked</td>
</tr>
<tr>
<td></td>
<td>Door position (reed switch)</td>
</tr>
<tr>
<td>Holding Force</td>
<td>1000kg static strength rating</td>
</tr>
<tr>
<td>Endurance</td>
<td>Cycle tested to 1.5 million operations</td>
</tr>
<tr>
<td>Latch</td>
<td>Suitable for 15mm latch bolt with 3mm door gap</td>
</tr>
<tr>
<td>Environment</td>
<td>Operational temperature range -20°C to +60°C</td>
</tr>
<tr>
<td>Body and Keeper</td>
<td>Stainless Steel</td>
</tr>
</tbody>
</table>

**Standards and Compliance**

- **SL8** (Security) Australian Lock Standard (AS4145.2.2008)
- **D8** (Durability) Australian Lock Standard (AS4145.2.2008)
- Successfully fire rated up to 4hrs on fire door assemblies in accordance with AS1905.1.2005
- CE Approved
- RCM Certified
- SCEC Approved for Security Level 3
ES2100 Series Monitored Electric Strike

Integrated magnets align with integrated reed switch.

<table>
<thead>
<tr>
<th>STD Backset</th>
<th>Extended Backset</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimension A</td>
<td>60</td>
</tr>
<tr>
<td>Dimension B</td>
<td>84</td>
</tr>
<tr>
<td></td>
<td>127</td>
</tr>
<tr>
<td></td>
<td>151</td>
</tr>
</tbody>
</table>
ES2100 Series Monitored Electric Strike

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES2100</td>
<td>ES2100 E/Strike 12-30Vdc M/Function Door Monitored</td>
</tr>
<tr>
<td>ES2100-010</td>
<td>ES2100 E/Strike 12-30Vdc M/Function Door Monitored No Lip</td>
</tr>
<tr>
<td>ES2100-020</td>
<td>ES2100 E/Strike 12-30Vdc M/Function Door Monitored 8mm Lip</td>
</tr>
</tbody>
</table>

Ordering Notes:

- Electric Strikes are supplied with door magnet for cylindrical locksets only.
- Lockwood Mortice Locks and Faceplates are sold separately.
- All Strikes are factory set to Fail Safe (PTL) configuration. Configuration to Fail Secure (PTO) is easily set on site.
- All Strikes come pre drilled with Extension Lip holes

Specification Statement

The Strike should be constructed of Stainless Steel, have a minimum holding force of 1000kg and an endurance rating of 1.5 million cycles. Monitoring must include independent latch and solenoid monitoring. The Strike shall have an integrated reed switch for door position monitoring and used in conjunction with Lockwood Faceplate. Certifications must include CE, RCM and 4 hr fire rating.

Accessories Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP3570-2100SSS</td>
<td>Magnet Faceplate – suits Lockwood 3570 Series Mortice Lock</td>
</tr>
<tr>
<td>220200-519</td>
<td>Mounting Kit</td>
</tr>
<tr>
<td>210100-541</td>
<td>13mm Rebate Plate</td>
</tr>
<tr>
<td>220200-505</td>
<td>25mm Extension Lip (40.5mm total)</td>
</tr>
<tr>
<td>220200-506</td>
<td>50mm Extension Lip (65.5mm total)</td>
</tr>
<tr>
<td>220200-507</td>
<td>75mm Extension Lip (90.5mm total)</td>
</tr>
</tbody>
</table>
ES2600 Series Panic Bar Monitored Electric Strike

The Lockwood Padde Series ES2600 Series Surface Mounted Electric Strikes are high security products manufactured from Stainless Steel and designed to be used with existing and new Panic Bars fitted to emergency doors.

When used in conjunction with a standard access control system, these Strikes convert “Exit only” doors with “Pullman type” latches into a full access controlled door, thereby allowing authorised access from the secure side.

The ES2600 series are fully monitored with both solenoid and latch/door monitoring functions and can be changed from Fail Safe to Fail Secure on site.

**Key Features**
- Fail Safe/Fail Secure changeable on site
- High security
- Available in 12 or 24Vdc
- 650kg holding force
- 1 million cycles endurance rating
- Body depth only 27mm
- Cast stainless steel body
- Low current consumption - max 175mA @ 12Vdc
- Continuously rated solenoid
- Installation template
- 5 Year Tricare Warranty (Padde Series)

**Applications**
- For use with Panic Bars
- Surface mount
- Egress doors
- Fire rated door sets
- Open out door sets
- Suitable for use with all access control systems

**Product Details**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Voltage</strong></td>
<td>12 or 24Vdc</td>
</tr>
<tr>
<td><strong>Current</strong></td>
<td>175mA @ 12Vdc - 88mA @ 24Vdc</td>
</tr>
<tr>
<td><strong>Solenoids</strong></td>
<td>Solenoids rated for continuous use</td>
</tr>
<tr>
<td><strong>Monitoring</strong></td>
<td>Solenoid Monitor - 1 amp NO/NC microswitch</td>
</tr>
<tr>
<td></td>
<td>Door / Latch Monitor - 1 amp NO/NC microswitch</td>
</tr>
<tr>
<td><strong>Holding Force</strong></td>
<td>650kg Static Strength Rating</td>
</tr>
<tr>
<td><strong>Endurance</strong></td>
<td>Cycle tested to 1,000,000 operations</td>
</tr>
<tr>
<td><strong>Additional</strong></td>
<td>Anti friction roller (patented)</td>
</tr>
<tr>
<td></td>
<td>Suits panic bars with 15 to 20mm Pullman latch projection</td>
</tr>
<tr>
<td><strong>Environment</strong></td>
<td>Operational temperature range -20°C to +60°C</td>
</tr>
<tr>
<td><strong>Body</strong></td>
<td>Solid Stainless Steel Construction</td>
</tr>
<tr>
<td><strong>Keeper</strong></td>
<td>Stainless Steel</td>
</tr>
<tr>
<td><strong>Latch</strong></td>
<td>Suitable for 15-20mm pullman latch</td>
</tr>
</tbody>
</table>

**Standards and Compliance**

- Approved to UL1034 (highest level)
- CE Approved
- RCM Certified
ES2600 Series Panic Bar Monitored Electric Strike

Specification Statement
The Strike should be constructed of Stainless Steel, have a minimum holding force of 650kg and have an endurance rating of 1 million cycles. Maximum penetration into the door frame should not exceed 12mm. The one strike must be changeable from Fail Safe to Fail Secure onsite where required. The Strike should not consume current greater than 175mA at 12Vdc and have a solenoid rated for continuous use. Certifications must include RCM.

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES2600-1</td>
<td>ES2600 Panic Bar E/Strike 12Vdc Fail Safe Monitored</td>
</tr>
<tr>
<td>ES2600-3</td>
<td>ES2600 Panic Bar E/Strike 24Vdc Fail Safe Monitored</td>
</tr>
</tbody>
</table>
The Lockwood Padde Series ES3200 Series Electric Strikes are designed for high security applications and manufactured from solid Stainless Steel.

These long ANSI Strikes offer a strong dependable and long-lasting Electric Strike solution and are suitable for use with any access control system.

These Strikes are extremely flexible and can be changed from Fail Safe to Fail Secure and mounted on the left or right hand side of the door, thus reducing the amount of variants needed to cover each application.

**Key Features**
- Fail Safe/Fail Secure changeable on site
- Available in 12Vdc
- 850kg holding force
- 1 million cycles endurance rating
- Stainless Steel locking pins
- Continuously rated solenoid
- 5 Year Tricare Warranty (Padde Series)

**Applications**
- Timber or metal doors
- Open in/open out doors
- Suitable for use with all access control systems

**Product Details**

<table>
<thead>
<tr>
<th><strong>Voltage</strong></th>
<th>12Vdc</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current</strong></td>
<td>175mA @ 12Vdc</td>
</tr>
<tr>
<td><strong>Solenoids</strong></td>
<td>Solenoids rated for continuous use</td>
</tr>
<tr>
<td><strong>Monitoring</strong></td>
<td>Solenoid Monitor - 1 amp NO/NC microswitch Door / Latch - 1 amp NO/NC microswitch</td>
</tr>
<tr>
<td><strong>Holding Force</strong></td>
<td>850kg Static Strength Rating</td>
</tr>
<tr>
<td><strong>Endurance</strong></td>
<td>Cycle tested to 1,000,000 operations</td>
</tr>
<tr>
<td><strong>Environment</strong></td>
<td>Operational temperature range -20°C to +60°C</td>
</tr>
<tr>
<td><strong>Body</strong></td>
<td>Solid Stainless Steel Construction</td>
</tr>
<tr>
<td><strong>Keeper</strong></td>
<td>Stainless Steel</td>
</tr>
<tr>
<td><strong>Latch</strong></td>
<td>Suitable for 18mm latchbolt with 3mm door gap</td>
</tr>
</tbody>
</table>

**Standards and Compliance**

- Approved to UL1034 (highest level)
- CE Approved
- RCM Certified
- Anti-Corrosion
**ES3200 Series Monitored Electric Strike**

**Specification Statement**

The Strike should be constructed of Stainless Steel, have a minimum holding force of 850kg and have an endurance rating of 1 million cycles. Monitoring must include independent door / latch & solenoid monitoring. The one strike must be changeable from Fail Safe to Fail Secure onsite where required. The Strike should not consume current greater than 175mA @ 12Vdc and have a solenoid rated for continuous use. Certifications must include RCM.

**Ordering Information**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES3200-1</td>
<td>ES3200 E/Strike 12Vdc Fail Safe Non Monitored</td>
</tr>
</tbody>
</table>
The Lockwood Padde Series ES9000 has been designed to suit the harshest commercial environments, and has the unique feature of the ability to operate with up to 25kg of pre-load pressure on the keeper. Pre-load is a common condition that is caused by pulling on a door before it unlocks, the weight of warped or drooping doors, seals on fire doors or by differential air pressure created when heating and cooling systems are in use.

Standard features include multi voltage 10 - 30Vdc and field changeable settings from Fail Safe to Fail Secure.

Built to last, this is a premium locking solution that has been tested in excess of 2 million cycles and boasts unique features like no other available on the market today.

**Key Features**
- Operates under pre-load up to 25kg
- Easy field selectable fail safe/fail secure
- Multi voltage 10-30Vdc
- 1300kg holding force
- 2.5 million cycles endurance rating
- Latch keeper is significantly quieter in operation
- Weather resistant
- Mounting tabs as standard
- Non handed
- 5 Year Tricare Warranty (Padde Series)
- Weather Resistant (IP54)
- Built in Protection Diode

**Applications**
- High traffic areas
- Doors subjected to side load (pre load)
- Fire rated door sets
- Open in/open out doors
- Suitable for use with all access control systems

**Product Details**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Voltage</strong></td>
<td>10 or 30Vdc</td>
</tr>
<tr>
<td><strong>Current</strong></td>
<td>250mA @ 12Vdc - 130mA @24Vdc</td>
</tr>
<tr>
<td><strong>Solenoids</strong></td>
<td>Solenoids rated for continuous use</td>
</tr>
<tr>
<td><strong>Monitoring</strong></td>
<td>Solenoid Monitor - 1 amp NO/NC microswitch</td>
</tr>
<tr>
<td><strong>Holding Force</strong></td>
<td>1300kg Static Strength Rating</td>
</tr>
<tr>
<td><strong>Endurance</strong></td>
<td>1,200,000 cycles endurance rating @ 25kg pre-load</td>
</tr>
<tr>
<td></td>
<td>2,500,000 cycles general durability without pre-load</td>
</tr>
<tr>
<td><strong>Latching</strong></td>
<td>Suitable for 15mm latch with 3mm door gap</td>
</tr>
<tr>
<td><strong>Environment</strong></td>
<td>Operational temperature range - 20C to +60C</td>
</tr>
<tr>
<td><strong>Body</strong></td>
<td>Solid Stainless Steel Construction</td>
</tr>
<tr>
<td><strong>Keeper</strong></td>
<td>Stainless Steel</td>
</tr>
</tbody>
</table>

**Standards and Compliance**

- S3 (Security) Australian Lock Standard (AS4145.2.1993)
- D3 (Durability) Australian Lock Standard (AS4145.2.1993)
- Successfully fire rated up to 4hrs on fire door assemblies in accordance with AS1905.1.2005 (Part 1: Fire resistant door sets)
- CE Approved
- RCM Certified
- SCEC Approved for Security Level 3
ES9000 Series Pre-Load Strike

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES9000</td>
<td>ES9000 E/Strike 12-30Vdc M/Function Preload Monitored</td>
</tr>
<tr>
<td>ES9000-010</td>
<td>ES9000 E/Strike 12-30Vdc M/Function Preload Monitored No Lip</td>
</tr>
<tr>
<td>ES9000-020</td>
<td>ES9000 E/Strike 12-30Vdc M/Function Preload Monitored 8mm Lip</td>
</tr>
<tr>
<td>ES9000-060</td>
<td>ES9000 E/Strike 12-30Vdc M/Function Preload Monitored Lip Holes</td>
</tr>
</tbody>
</table>

Note: All ES9000 Series Electric Strikes are supplied in Fail Safe configuration.

Specification Statement

The Electric Strike should be fully monitored and have independent door / latch and solenoid monitor switches. Holding force for the Strike should be not less than 1300kg.

Where Power to Lock and Power to Open functions may be required in the same building, a single Electric Strike should be interchangeable from either Fail Safe or Fail Secure from the rear of the Strike.

The Electric Strike should not consume current greater than 250mA @ 12Vdc and have a solenoid rated for continuous use. A fire rating not less than 4 hours is required where applicable. The Strike must be capable of operating with up to 25kg of pre-load pressure applied to the keeper, be tested to 2.5 million operations and carry a minimum warranty of 5 years.

Accessories Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
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<tbody>
<tr>
<td>210100-541</td>
<td>13mm Rebate Plate</td>
</tr>
<tr>
<td>220200-505</td>
<td>25mm Extension Lip (40.5mm total)</td>
</tr>
<tr>
<td>220200-506</td>
<td>50mm Extension Lip (65.5mm total)</td>
</tr>
<tr>
<td>220200-507</td>
<td>75mm Extension Lip (90.5mm total)</td>
</tr>
<tr>
<td>220200-519</td>
<td>Mounting Kit</td>
</tr>
</tbody>
</table>
Tested to 3 million cycles... and counting

The ES9000 is approved by the Security Construction and Equipment Committee (SCEC) for Access Control in Secure Areas (Security Level 3).

- Operates under Pre-load up to 25 kg
- Easy field selectable Fail Safe / Fail Secure
- Multi voltage 10-30 Vdc
- Designed and manufactured in Australia
Electromagnetic Locking
Electromagnetic Locking Contents

Z4 and Z8 Single Series
Non Monitored
Electromagnetic Lock
page 29

Z4 and Z8 Single Series
Monitored
Electromagnetic Lock
page 31

Z4 and Z8 Double Series
Non Monitored
Electromagnetic Lock
page 33

Z4 and Z8 Double Series
Monitored
Electromagnetic Lock
page 35

Z4 Recessed
Electromagnetic Lock
page 37

Weather Resistant
Electromagnetic Lock
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Electromagnetic Lock
Accessories
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Wall and Floor Mounted
Hold-Open Magnet
page 42
The Lockwood Padde Series Single Series Electromagnetic Locks operate with holding forces from 250kg up to 580kg. Covering a range of applications the Z4 and Z8 Electromagnets are ideal for applications from cupboard doors through to high use commercial swing doors.

With fixing options including wood, aluminium and steel constructions as well as glass door applications, the range caters to most electromagnetic needs.

**Key Features**
- Fail-Safe: unlocks when power is removed
- Easy installation: suitable for both new and retrofit usage
- High holding force: refer to the technical data overleaf
- Self-alignment: armature plate pivots to accommodate door drop
- Silent operation: no humming or buzzing
- Dual voltage: site selectable 12 or 24 Vdc
- Instantaneous release: smart electronics on the Z Series Electromagnets eliminate residual magnetism
- 5 Year Tricare Warranty (Padde Series)

**Applications**
- Aluminium doors
- Glass doors
- IT storage rooms
- Access control
- Surface mount for inward and outward swinging doors

### Product Details

<table>
<thead>
<tr>
<th></th>
<th>Z4 Magnet</th>
<th>Z8 Magnet</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Holding Force</strong></td>
<td>250kg-280kg</td>
<td>550kg-580kg</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>(L)238 x (H)48 x (D) 27 mm</td>
<td>(L)266 x (H)72 x (D) 40 mm</td>
</tr>
<tr>
<td><strong>Voltage</strong></td>
<td>12Vdc/ 24Vdc ±10%</td>
<td>12Vdc/ 24Vdc ±10%</td>
</tr>
<tr>
<td><strong>Current</strong></td>
<td>280mA @ (12Vdc) 140mA @ (24Vdc)</td>
<td>280mA @ (12Vdc) 140mA @ (24Vdc)</td>
</tr>
<tr>
<td><strong>Monitoring</strong></td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>-25 to 55 Degrees</td>
<td>-25 to 55 Degrees</td>
</tr>
<tr>
<td><strong>Operating Humidity</strong></td>
<td>0-95%</td>
<td>0-95%</td>
</tr>
</tbody>
</table>

### Standards and Compliance
- Successfully fire rated up to 4 hours on fire door assemblies in accordance with AS1905.1:2005 (Part 1: Fire Resistant Doorsets)
- CE Approved
- RCM Certified
Z4 and Z8 Single Series Non Monitored

**Specification Statement**

The Single Series Electromagnetic Lock should be constructed in an aluminium case with heavy duty electromagnet. The range only operates in Fail Safe mode and relies on a secondary lock or battery backup system. In some cases the Magnet Armature Plate pivots to accommodate door drop. The lock needs to be equipped with "smart electronics" that have zero residual magnetism (instantaneous release). This is crucial for correct operation.

**Ordering Information**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMZ4-SN</td>
<td>EMZ4 E/Magnet 12/24Vdc Single Non Monitored</td>
</tr>
<tr>
<td>EMZ8-SN</td>
<td>EMZ8 E/Magnet 12/24Vdc Single Non Monitored</td>
</tr>
<tr>
<td>Accessory</td>
<td></td>
</tr>
<tr>
<td>EMZ4B-SLZ</td>
<td>EMZ4 Bracket Single L &amp; Z</td>
</tr>
<tr>
<td>EMZ4B-GU</td>
<td>EMZ4 Bracket Glass U 12Mm Glass</td>
</tr>
<tr>
<td>EMZ4B-GA</td>
<td>EMZ4 Bracket Glass Armature</td>
</tr>
<tr>
<td>EMZ4B-AN</td>
<td>EMZ4 Bracket Armature Non Monitored</td>
</tr>
<tr>
<td>EMZ4B-SMP</td>
<td>EMZ4 Bracket Single Mounting Plate</td>
</tr>
<tr>
<td>EMZ4SP-SC</td>
<td>EMZ4 Spare Part Screw Kit</td>
</tr>
<tr>
<td>EMZ8B-SLZ</td>
<td>EMZ8 Bracket Single L &amp; Z</td>
</tr>
<tr>
<td>EMZ8B-GU</td>
<td>EMZ8 Bracket Glass U 12Mm Glass</td>
</tr>
<tr>
<td>EMZ8B-GA</td>
<td>EMZ8 Bracket Glass Armature</td>
</tr>
<tr>
<td>EMZ8B-AN</td>
<td>EMZ8 Bracket Armature Non Monitored</td>
</tr>
<tr>
<td>EMZ8B-SMP</td>
<td>EMZ8 Bracket Single Mounting Plate</td>
</tr>
<tr>
<td>EMZ8SP-SC</td>
<td>EMZ8 Spare Part Screw Kit</td>
</tr>
</tbody>
</table>
Z4 and Z8 Single Series Monitored

The Lockwood Padde Series Single Series Monitored Electromagnetic Locks, operate with holding forces from 250kg up to 580kg. These can also be used for doors that need to be monitored in terms of door position and if the door is locked.

Covering a range of applications the Z4 and Z8 Electromagnets are ideal for applications from cupboard doors through to high use commercial swing doors.

With fixing options including wood, aluminium and steel constructions, as well as glass door applications, the range caters to most electromagnetic needs.

Key Features
- Fail-Safe: unlocks when power is removed
- Easy installation: suitable for both new and retrofit usage
- High holding force: refer to the technical data overleaf
- Self-alignment: armature plate pivots to accommodate door drop
- Silent operation: no humming or buzzing
- Dual voltage: site selectable 12 or 24 Vdc
- Monitoring: reed switch monitoring on all models, hall-effect monitoring on Z4 and Z8 models
- Instantaneous release: smart electronics on the Z Series Electromagnets eliminate residual magnetism
- 5 Year Tricare Warranty (Padde Series)

Monitoring
Hall / Bond Monitoring
This indicates that the lock is powered and that the armature plate is in position and magnetically bonded (it monitors if the magnet is locked)

Reed Switch Monitoring
An integrated reed switch monitors the door position separately (it monitors the position of the door)

Applications
- Aluminium doors
- Glass doors
- IT storage rooms
- Access control
- Surface mount for inswing and outswing doors

Product Details

<table>
<thead>
<tr>
<th></th>
<th>Z4 Magnet</th>
<th>Z8 Magnet</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Holding Force</strong></td>
<td>250kg-280kg</td>
<td>550kg-580kg</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>(L)238 x (H)48 x (D) 27 mm</td>
<td>(L)266 x (H)72 x (D) 40 mm</td>
</tr>
<tr>
<td><strong>Voltage</strong></td>
<td>12Vdc, 24Vdc ±10%</td>
<td>12Vdc, 24Vdc ±10%</td>
</tr>
<tr>
<td><strong>Current</strong></td>
<td>450mA (12Vdc), 225mA (24Vdc)</td>
<td>512mA (12Vdc), 256mA (24Vdc)</td>
</tr>
<tr>
<td><strong>Monitoring</strong></td>
<td>Hall-Effect and Reed Switch</td>
<td>Hall-Effect and Reed Switch</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>-25 to 55 Degrees</td>
<td>-25 to 55 Degrees</td>
</tr>
<tr>
<td><strong>Operating Humidity</strong></td>
<td>0-95%</td>
<td>0-95%</td>
</tr>
</tbody>
</table>

Standards and Compliance

- Successfully fire rated up to 4 hours on fire door assemblies in accordance with AS1905.1:2005 (Part 1: Fire Resistant Doorsets)
- CE Approved
- RCM Certified
Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMZ4-SM</td>
<td>EMZ4 E/Magnet 12/24Vdc Single Monitored</td>
</tr>
<tr>
<td>EMZ8-SM</td>
<td>EMZ8 E/Magnet 12/24Vdc Single Monitored</td>
</tr>
<tr>
<td>Accessories</td>
<td></td>
</tr>
<tr>
<td>EMZ4B-SLZ</td>
<td>EMZ4 Bracket Single L &amp; Z</td>
</tr>
<tr>
<td>EMZ4B-GU</td>
<td>EMZ4 Bracket Glass U 12mm</td>
</tr>
<tr>
<td>EMZ4B-GA</td>
<td>EMZ4 Bracket Glass Armature</td>
</tr>
<tr>
<td>EMZ4B-AM</td>
<td>EMZ4 Bracket Armature Monitored W/Magnet</td>
</tr>
<tr>
<td>EMZ4SP-SC</td>
<td>EMZ4 Spare Part Screw Kit</td>
</tr>
<tr>
<td>EMZ4SP-PCBM</td>
<td>EMZ4 Spare Part Pcb Monitored</td>
</tr>
<tr>
<td>EMZ8B-SLZ</td>
<td>EMZ8 Bracket Single L &amp; Z</td>
</tr>
<tr>
<td>EMZ8B-GU</td>
<td>EMZ8 Bracket Glass U 12Mm</td>
</tr>
<tr>
<td>EMZ8B-GA</td>
<td>EMZ8 Bracket Glass Armature</td>
</tr>
<tr>
<td>EMZ8B-AM</td>
<td>EMZ8 Bracket Armature Monitored W/Magnet</td>
</tr>
<tr>
<td>EMZ8SP-SC</td>
<td>EMZ8 Spare Part Screw Kit</td>
</tr>
<tr>
<td>EMZ8SP-PCBM</td>
<td>EMZ8 Spare Pcb Monitored</td>
</tr>
</tbody>
</table>

**Specification Statement**

The Single Series Electromagnetic Lock should be constructed in an aluminium case with heavy duty electromagnet. The range only operates in Fail Safe mode and relies on a secondary lock or battery backup system. In some cases, the magnet armature plate pivots to accommodate door drop. The lock needs to be equipped with “smart electronics” that have zero residual magnetism (instantaneous release). This is crucial for correct operation.
The Lockwood Padde Series Double Series Electromagnetic Locks operate with holding forces from 500kg up to 1160kg. Covering a range of applications these magnets are ideal for applications from access ways through to high use commercial swing doors. With fixing options including wood, aluminium and steel constructions as well as glass door applications, the range caters to most electromagnetic needs.

Key Features
- Fail-Safe: unlocks when power is removed
- Easy installation: suitable for both new and retrofit usage
- High holding force: refer to the technical data overleaf
- Self-alignment: armature plate pivots to accommodate door drop
- Silent operation: no humming or buzzing
- Dual voltage: site selectable 12 or 24 Vdc
- Instantaneous release: smart electronics on the electromagnets eliminate residual magnetism
- 5 Year Tricare Warranty (Padde Series)

Applications
- Aluminium doors
- Double swing doors
- Access control
- Surface mount for inswing and outswing doors

## Product Details

<table>
<thead>
<tr>
<th></th>
<th>Z4 Magnet</th>
<th>Z8 Magnet</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Holding Force</strong></td>
<td>500kg-560kg</td>
<td>1100kg-1160kg</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>(L)476 x (H)48 x (D) 27 mm</td>
<td>(L)532 x (H)72 x (D) 40 mm</td>
</tr>
<tr>
<td><strong>Voltage</strong></td>
<td>12Vdc/ 24Vdc ±10%</td>
<td>12Vdc/ 24Vdc ±10%</td>
</tr>
<tr>
<td><strong>Current</strong></td>
<td>900mA @ (12Vdc)</td>
<td>1024mA @ (12Vdc)</td>
</tr>
<tr>
<td></td>
<td>450mA @ (24Vdc)</td>
<td>512mA @ (24Vdc)</td>
</tr>
<tr>
<td><strong>Monitoring</strong></td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td><strong>Operating</strong></td>
<td>-25 to 55 Degrees</td>
<td>-25 to 55 Degrees</td>
</tr>
<tr>
<td><strong>Temperature</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Humidity</strong></td>
<td>0-95%</td>
<td>0-95%</td>
</tr>
</tbody>
</table>

## Standards and Compliance

- Successfully fire rated up to 4 hours on fire door assemblies in accordance with AS1905.1:2005 (Part 1: Fire Resistant Doorsets)
- CE Approved
- RCM Certified
## Specification Statement

The Double Series Electromagnetic Lock should be constructed in an aluminium case with heavy duty electromagnet. The range only operates in Fail Safe mode and relies on a secondary lock or battery backup system. The lock needs to be equipped with “smart electronics” that have zero residual magnetism (instantaneous release). This is crucial for correct operation.

### Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMZ4-DN</td>
<td>EMZ4 Electromagnetic Lock 12/24Vdc Double Non Monitored</td>
</tr>
<tr>
<td>EMZ8-DN</td>
<td>EMZ8 Electromagnetic Lock 12/24Vdc Double Non Monitored</td>
</tr>
<tr>
<td>EMZ4B-DLZ</td>
<td>EMZ4 Bracket Double L &amp; Z</td>
</tr>
<tr>
<td>EMZ4B-AN</td>
<td>EMZ4 Bracket Armature Non Monitored</td>
</tr>
<tr>
<td>EMZ4B-DMP</td>
<td>EMZ4 Bracket Double Mounting Plate</td>
</tr>
<tr>
<td>EMZ4SP-SC</td>
<td>EMZ4 Spare Part Screw Kit</td>
</tr>
<tr>
<td>EMZ8B-DLZ</td>
<td>EMZ8 Bracket Double L &amp; Z</td>
</tr>
<tr>
<td>EMZ8B-AN</td>
<td>EMZ8 Bracket Armature Non Monitored</td>
</tr>
<tr>
<td>EMZ8B-DMP</td>
<td>EMZ8 Bracket Double Mounting Plate</td>
</tr>
<tr>
<td>EMZ8SP-SC</td>
<td>EMZ8 Spare Part Screw Kit</td>
</tr>
</tbody>
</table>
Lockwood Padde Series Double Series Monitored Electromagnetic Locks, operate with holding forces from 500kg up to 1160kg.

These can also be used for doors that need to be monitored in terms of door position and if the door is locked.

Covering a range of applications the Z4 and Z8 Electromagnets are ideal for applications from cupboard doors through to high use commercial swing doors.

With fixing options including wood, aluminium and steel constructions, as well as glass door applications, the range caters to most electromagnetic needs.

Key Features
- Fail-Safe: unlocks when power is removed
- Easy installation: suitable for both new and retrofit usage
- High holding force: refer to the technical data overleaf
- Self-alignment: armature plate pivots to accommodate door drop

- Silent operation: no humming or buzzing
- Dual voltage: site selectable 12 or 24 Vdc
- Monitoring: hall-effect and reed switch monitoring on all models
- Instantaneous release: smart electronics on the Z Series Electromagnets eliminate residual magnetism
- 5 Year Tricare Warranty (Padde Series)

Applications
- Aluminium doors
- Double swing doors
- Access control
- Surface mount for inswing and outswing doors

Monitoring
Hall / Bond Monitoring
This indicates that the lock is powered and that the Armature Plate is in position and magnetically bonded (it monitors if the magnet is locked)

Reed Switch Monitoring
An integrated reed switch monitors the door position separately (it monitors the position of the door)

Product Details

<table>
<thead>
<tr>
<th></th>
<th>Z4 Magnet</th>
<th>Z8 Magnet</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Holding Force</strong></td>
<td>500kg-560kg</td>
<td>1100kg-1160kg</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>(L)476 x (H)48 x (D) 27 mm</td>
<td>(L)532 x (H)72 x (D) 40 mm</td>
</tr>
<tr>
<td><strong>Voltage</strong></td>
<td>12Vdc/ 24Vdc ±10%</td>
<td>12Vdc/ 24Vdc ±10%</td>
</tr>
<tr>
<td><strong>Current</strong></td>
<td>900mA @ (12Vdc) 450mA @ (24Vdc)</td>
<td>1024mA @ (12Vdc) 512mA @ (24Vdc)</td>
</tr>
<tr>
<td><strong>Monitoring</strong></td>
<td>Hall-Effect and Reed Switch</td>
<td>Hall-Effect and Reed Switch</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>-25 to 55 Degrees</td>
<td>-25 to 55 Degrees</td>
</tr>
<tr>
<td><strong>Operating Humidity</strong></td>
<td>0-95%</td>
<td>0-95%</td>
</tr>
</tbody>
</table>

Standards and Compliance
- Successfully fire rated up to 4 hours on fire door assemblies in accordance with AS1905.1:2005 (Part 1: Fire Resistant Doorsets)
- CE Approved
- RCM Certified
Z4 and Z8 Double Series Monitored

specification statement
The Double Series Electromagnetic Lock should be constructed in an aluminium base with heavy duty electromagnet. The range only operates in Fail Safe mode and relies on a secondary lock or battery backup system. The lock needs to be equipped with "smart electronics" that have zero residual magnetism (instantaneous release). This is crucial for correct operation.

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMZ4-DM</td>
<td>EMZ4 E/Magnet 12/24Vdc Double Monitored</td>
</tr>
<tr>
<td>EMZ8-DM</td>
<td>EMZ8 E/Mag 12/24Vdc Double Monitored</td>
</tr>
<tr>
<td>Accessaries</td>
<td></td>
</tr>
<tr>
<td>EMZ4B-DLZ</td>
<td>EMZ4 Bracket Double L &amp; Z</td>
</tr>
<tr>
<td>EMZ4B-AM</td>
<td>EMZ4 Bracket Armature Monitored W/Magnet</td>
</tr>
<tr>
<td>EMZ4B-DMP</td>
<td>EMZ4 Bracket Double Mounting Plate</td>
</tr>
<tr>
<td>EMZ4SP-SC</td>
<td>EMZ4 Spare Part Screw Kit</td>
</tr>
<tr>
<td>EMZ4SP-PCBM</td>
<td>EMZ4 Spare Part Pcb Monitored</td>
</tr>
<tr>
<td>EMZ8B-DLZ</td>
<td>EMZ8 Bracket Double L &amp; Z</td>
</tr>
<tr>
<td>EMZ8B-AM</td>
<td>EMZ8 Bracket Armature Monitored W/Magnet</td>
</tr>
<tr>
<td>EMZ8B-DMP</td>
<td>EMZ8 Bracket Double Mounting Plate</td>
</tr>
<tr>
<td>EMZ8SP-SC</td>
<td>EMZ8 Spare Part Screw Kit</td>
</tr>
<tr>
<td>EMZ8SP-PCBM</td>
<td>EMZ8 Spare Pcb Monitored</td>
</tr>
</tbody>
</table>
The Lockwood Padde Series Z4 Recessed Electromagnetic Locks operate with holding forces up to 280kg. Covering a range of applications these magnets are ideal for situations where the magnet needs to be recessed such as swing and sliding doors. With fixing options including wood, aluminium and steel constructions, the range caters to most needs. The electromagnets are available in both monitored and non-monitored models, using hall-effect monitoring on some. These Electromagnetic Locks are CSIRO approved for use on fire doors and are characterised by their high quality and proven reliability in both fire and security applications.

**Key Features**
- Fail-Safe: unlocks when power is removed
- Easy installation: suitable for both new and retrofit usage
- High holding force: refer to the technical data overleaf
- Self-alignment: armature plate pivots to accommodate door drop
- Silent operation: no humming or buzzing
- Dual voltage: site selectable 12 or 24 Vdc
- Monitored versions: hall-effect status monitoring available on some models
- Instantaneous release: smart electronics on the Z4 Recessed Electromagnetic Lock eliminate residual magnetism
- 5 Year Tricare Warranty (Padde Series)

**Applications**
- Various sliding door applications

### Product Details

<table>
<thead>
<tr>
<th></th>
<th>Z4 Magnet Non Monitored</th>
<th>Z4 Magnet Monitored</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Holding Force</strong></td>
<td>250kg-280kg</td>
<td>250kg-280kg</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>(L)182 x (H)42 x (D)23 mm</td>
<td>(L)182 x (H)42 x (D)23 mm</td>
</tr>
<tr>
<td><strong>Voltage</strong></td>
<td>12Vdc/ 24Vdc ±10%</td>
<td>12Vdc/ 24Vdc ±10%</td>
</tr>
<tr>
<td><strong>Current</strong></td>
<td>450mA @ (12Vdc)</td>
<td>450mA @ (12Vdc)</td>
</tr>
<tr>
<td></td>
<td>225mA @ (24Vdc)</td>
<td>225mA @ (24Vdc)</td>
</tr>
<tr>
<td><strong>Monitoring</strong></td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>-25 to 55 Degrees</td>
<td>-25 to 55 Degrees</td>
</tr>
<tr>
<td><strong>Operating Humidity</strong></td>
<td>0-95%</td>
<td>0-95%</td>
</tr>
</tbody>
</table>

### Standards and Compliance

- CE Approved
- RCM Certified
Z4 Recessed Electromagnetic Lock

Specification Statement
The Z4 Recessed Electromagnetic Lock should be constructed in an aluminium case with heavy duty electromagnet. The range only operates in Fail Safe mode and relies on a secondary lock or battery backup system. The lock needs to be equipped with “smart electronics” that have zero residual magnetism (instantaneous release). This is crucial for correct operation.

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMZ4-RSN</td>
<td>EMZ4 E/Magnet Recessed 12/24Vdc Single Non Monitored</td>
</tr>
<tr>
<td>EMZ4-RSM</td>
<td>EMZ4 E/Magnet Recessed 12/24Vdc Single Monitored</td>
</tr>
</tbody>
</table>
Weather Resistant Electromagnetic Lock

The Lockwood Padde Series Weather Resistant Electromagnetic Lock operates with holding forces from 250kg up to 580kg. Covering a range of applications these are ideal where magnets are exposed to the weather. With fixing options including wood, aluminium and steel constructions as well as glass door applications, the range caters to most external needs. The electromagnets are available in monitored models using hall-effect monitoring. These Electromagnetic Locks are CSIRO approved for use on fire doors and are characterised by their high quality and proven reliability in both fire and security applications. The “smart electronics” have zero residual magnetism meaning instantaneous release when required. An additional advantage is the ability to select either 12V or 24V DC application on site.

**Key Features**
- Fail-Safe: unlocks when power is removed
- Easy installation: suitable for both new and retrofit usage
- Self-alignment: armature plate pivots to accommodate door drop
- Silent operation: no humming or buzzing
- Dual voltage: site selectable 12 or 24 Vdc
- Monitored versions: hall-effect status monitoring available
- 5 Year Tricare Warranty (Padde Series)

**Monitoring**

**Hall / Bond Monitoring**
Hall-effect position sensors are non-contact devices that convert energy from a magnetic field into an electrical signal. This indicates that the lock is powered and that the Armature Plate is in position and magnetically bonded (it monitors if the magnet is locked).

**Applications**
- Outdoor / exposed doors
- Doors located in coastal areas

### Product Details

<table>
<thead>
<tr>
<th>Z8 Weather Resistant Electromagnet</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Holding Force</strong></td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
</tr>
<tr>
<td><strong>Voltage</strong></td>
</tr>
<tr>
<td><strong>Current</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Monitoring</strong></td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
</tr>
<tr>
<td><strong>Operating Humidity</strong></td>
</tr>
</tbody>
</table>

### Standards and Compliance

- CE Approved
- RCM Certified
Weather Resistant Electromagnetic Lock

Z8 Weather Resistant Electromagnetic Lock - Monitored

**Specification Statement**

The Weather Resistant Electromagnetic Lock should be constructed in an aluminium case with heavy duty electromagnet. The range only operates in Fail Safe mode and relies on a secondary lock or battery backup system. In some cases the Magnet Armature Plate pivots to accommodate door drop.

---

**Ordering Information**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMZ8-WSM</td>
<td>EMZ8 E/Magnet Weather Res 12/24Vdc Single Monitored</td>
</tr>
</tbody>
</table>
The Lockwood Padde Series Electromagnetic Lock range offers a number of accessory options. These accessories allow the Electromagnetic Locks to be used in a number of different applications and can be adjusted and suited to each situation. This allows the installer to configure the door as required allowing user specific features such as open in/open out selection or glass door applications. Lockwood’s Electromagnetic Lock Accessories meet or exceed local and international standards, providing safe and secure locking.

**Key Features**
- Adjustable fixing positions
- Cast aluminium construction
- Meet and exceed international and local standards

**Applications**
- Open in/open out doors
- Glass door security
- Double doors security
- Sliding door security

---

**Ordering Information**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z4 Brackets</td>
<td></td>
</tr>
<tr>
<td>EMZ4B-SLZ</td>
<td>EMZ4 Bracket Single L &amp; Z</td>
</tr>
<tr>
<td>EMZ4B-DLZ</td>
<td>EMZ4 Bracket Double L &amp; Z</td>
</tr>
<tr>
<td>EMZ4B-GU</td>
<td>EMZ4 Bracket Glass U 12Mm</td>
</tr>
<tr>
<td>EMZ4B-GA</td>
<td>EMZ4 Bracket Glass Armature</td>
</tr>
<tr>
<td>EMZ4B-AN</td>
<td>EMZ4 Bracket Armature Non Monitored</td>
</tr>
<tr>
<td>EMZ4B-AM</td>
<td>EMZ4 Bracket Armature Monitored W/Magnet</td>
</tr>
<tr>
<td>EMZ4B-SMP</td>
<td>EMZ4 Bracket Single Mounting Plate</td>
</tr>
<tr>
<td>EMZ4B-DMP</td>
<td>EMZ4 Bracket Double Mounting Plate</td>
</tr>
<tr>
<td>Z8 Brackets</td>
<td></td>
</tr>
<tr>
<td>EMZ8B-SLZ</td>
<td>EMZ8 Bracket Single L &amp; Z</td>
</tr>
<tr>
<td>EMZ8B-DLZ</td>
<td>EMZ8 Bracket Double L &amp; Z</td>
</tr>
<tr>
<td>EMZ8B-GU</td>
<td>EMZ8 Bracket Glass U 12Mm</td>
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<tr>
<td>EMZ8B-GA</td>
<td>EMZ8 Bracket Glass Armature</td>
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<td>EMZ8B-DMP</td>
<td>EMZ8 Bracket Double Mounting Plate</td>
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<td>EMZ8 Bracket Single Mounting Plate</td>
</tr>
<tr>
<td>EMZ8B-AN</td>
<td>EMZ8 Bracket Armature Non Monitored</td>
</tr>
<tr>
<td>EMZ8B-AM</td>
<td>EMZ8 Bracket Armature Monitored W/Magnet</td>
</tr>
</tbody>
</table>

41 Electromechanical Door Solutions
1300 LOCK UP (1300 562 587) lockweb.com.au
The Lockwood Padde Series EM830 Series of Hold Open Magnets can work as standalone or with an integrated fire system. These Fail-Safe devices will automatically release if connected to a fire detection system.

Some models include integrated “interrupter buttons” giving the ability to open or close the door manually at any time. Other models have an integrated soft close shock absorbers for silent operation i.e. in Hospitals

**Key Features**
- Fail Safe Operation – Unlocks when power is removed
- Shock absorber for soft close (model dependent)
- Integrated Interrupter push-button (model dependent)
- Modern Design
- Silent Operation (no humming)
- Easy Install
- Space bracket for wall mount option standard
- 5 Year Tricare Warranty (Padde Series)

**Applications**
- Fire Doors that need to close upon fire signal
  - Fire Doors
  - Doors that restrict the passage of fire
- Non Fire Doors that need to be held open
  - Cinema Doors
  - Hospital Doors
  - Parameter Doors
  - Other Doors

Hold open devices are primarily used for fire doors, but not only limited to this application. Other known applications are doors that require to be held open for several hours i.e. with Cabin Hooks. For this application the device needs constant power and no “smarts” are required.

**Note:** Ensure you select the model with Integrated Interrupter push-button and also buy 24vdc Power supply

**Product Details**

<table>
<thead>
<tr>
<th>Wall &amp; Floor Mount</th>
<th>EMHO830-1</th>
<th>EMHO830-2</th>
<th>EMHO830-3</th>
<th>EMHO830-4</th>
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<tbody>
<tr>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Integrated Interrupter pushbutton</th>
<th>No</th>
<th>Yes</th>
<th>No</th>
<th>Yes</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Shock Absorber</th>
<th>No</th>
<th>No</th>
<th>Yes</th>
<th>Yes</th>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Holding Force</th>
<th>150 kg</th>
<th>150 kg</th>
<th>150 kg</th>
<th>150 kg</th>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Voltage</th>
<th>24vDC</th>
<th>24vDC</th>
<th>24vDC</th>
<th>24vDC</th>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Operating Temperature</th>
<th>0-50°C</th>
<th>0-50°C</th>
<th>0-50°C</th>
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<table>
<thead>
<tr>
<th>Floor Spacing</th>
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<th>110 mm</th>
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<table>
<thead>
<tr>
<th>Wall Spacing</th>
<th>190 mm</th>
<th>190 mm</th>
<th>215 mm</th>
<th>215 mm</th>
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<table>
<thead>
<tr>
<th>Continuous Duty</th>
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<th>100%ED</th>
<th>100%ED</th>
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</tr>
</thead>
</table>

**Standards and Compliance**

- CE Approved
- RCM Certified
- IP40 Rating
Wall and Floor Mounted Hold-Open Magnets

EMHO830-1
EMHO830-3

EMHO830-2
EMHO830-4

EM 830 Magnet Dimensions

EF800 Hold Bracket
(Ordered Separately)

EF800 Hold Swivel Bracket
(Ordered Separately)
<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMHO830-1</td>
<td>EM830 E/Hold Magnet 24Vdc</td>
</tr>
<tr>
<td>EMHO830-2</td>
<td>EM830 E/Hold Magnet 24Vdc Inter Button</td>
</tr>
<tr>
<td>EMHO830-3</td>
<td>EM830 E/Hold Magnet 24Vdc Shock Abs</td>
</tr>
<tr>
<td>EMHO830-4</td>
<td>EM830 E/Hold Magnet 24Vdc Shock Abs + Inter Button</td>
</tr>
<tr>
<td>EMHOB-1</td>
<td>EM800 Hold Open Bracket</td>
</tr>
<tr>
<td>EMHOB-2</td>
<td>EM800 Hold Open Swivel Bracket</td>
</tr>
</tbody>
</table>
Electromechanical Bolts
Electromechanical Bolts Contents

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>TB25</td>
<td>Drop Bolt</td>
<td>47</td>
</tr>
<tr>
<td>TB25KO</td>
<td>Drop Bolt</td>
<td>49</td>
</tr>
<tr>
<td>ES6000</td>
<td>Hook Lock</td>
<td>51</td>
</tr>
<tr>
<td>ES8000-S</td>
<td>V-Lock</td>
<td>53</td>
</tr>
<tr>
<td>ES8000</td>
<td>Glass Door Bracket</td>
<td>55</td>
</tr>
<tr>
<td>ES8200</td>
<td>Technilock</td>
<td>57</td>
</tr>
</tbody>
</table>
The Lockwood Padde Series TB25 range of Drop Bolts represent true engineering innovation, design excellence and the superior quality customers have come to expect and demand from Lockwood. Designed for use on swing-through, double action doors and ideal for applications where an Electric Strike is impractical.

**Features**
- High Security: bolt is deadlocked in the extended position
- Bolt position monitored
- Door position monitor with integrated magnet in the strike plate (no need to install a separate reed switch)
- Multiple orientation, drop bolts will work horizontally or vertically
- Power to Lock/Power to Open
- Continuously rated solenoid
- Tamper proof: lock cannot be defeated by slipping a metal object between lock and striker plate
- Intelligent electronics: these intelligent bolts will attempt to re-close the bolt 8 times, allowing time for swing through doors to settle in the closed position
- Thermal protection: in the event of solenoid overheat, a thermal fuse will operate eliminating any fire risk
- 5 Year Tricare Warranty (Padde Series)

**Applications**
- Misaligned doors
- Timer doors

**Product Details**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>12 to 24V</td>
</tr>
<tr>
<td>Current (Start)</td>
<td>1100mA @ 12V, 1000mA @ 24V</td>
</tr>
<tr>
<td>Current (Holding)</td>
<td>210mA @ 12V, 90mA @ 24V</td>
</tr>
<tr>
<td>Holding Force</td>
<td>1000kg</td>
</tr>
<tr>
<td>Locking Mode</td>
<td>Fail safe or Fail Secure (non field selectable)</td>
</tr>
<tr>
<td>Dimensions (Mortice)</td>
<td>164 x 22 mm</td>
</tr>
<tr>
<td>Bolt Length</td>
<td>12.7 x 16 mm</td>
</tr>
<tr>
<td>Face Plate Size</td>
<td>10 x 25 mm</td>
</tr>
<tr>
<td>Monitoring Contacts</td>
<td>Bolt and Door</td>
</tr>
</tbody>
</table>

**Standards and Compliance**

- CE Approved
- RCM Certified
**Specification Statement**

The bolt must be able to operate in horizontal and vertical orientations. The position of the bolt must be monitored as well as have an integrated reed switch for door position monitoring. The electronic functions must include: 8 x lock and unlock attempts, 8 second unlock delay, automatic relock after 8 seconds, power reduction circuitry to limit the holding current and a one time thermal fuse cut-out in case of solenoid overheating. The face plate and strike plate must be finished in Stainless Steel.

**Ordering Information**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TB25-1</td>
<td>TB25 D/Bolt 12-24Vdc Fail Safe Monitored</td>
</tr>
<tr>
<td>TB25-2</td>
<td>TB25 D/Bolt 12-24Vdc Fail Secure Monitored</td>
</tr>
<tr>
<td>228250-000</td>
<td>EB25 SS Short Strike Plate RH</td>
</tr>
<tr>
<td>228250-002</td>
<td>EB25 SS Long Strike Plate RH</td>
</tr>
<tr>
<td>228250-003</td>
<td>EB25 SS Housing</td>
</tr>
<tr>
<td>228250-004</td>
<td>EB25 SS Dress Plate</td>
</tr>
<tr>
<td>228250-005</td>
<td>EB25 L Bracket with Magnets</td>
</tr>
<tr>
<td>228250-006</td>
<td>EB25 L Bracket without Magnets</td>
</tr>
</tbody>
</table>
The Lockwood Padde Series TB25KO range of Drop Bolts represent true engineering innovation, design excellence and the superior quality customers have come to expect and demand from Lockwood. Designed for use on swing-through double action doors and are ideal for applications where an Electric Strike is impractical. The TB25KO offer a unique mechanical override with an integrated Euro Profile Cylinder.

**Features**
- High security: bolt is deadlocked in the extended position
- Mechanical key override in the event of power failure (Euro Profile Cylinder)
- Bolt position monitored
- Door position monitor with integrated magnet in the Strike Plate (no need to install a separate reed switch)
- Multiple orientation: drop bolts will work horizontally or vertically
- Power to Lock/Power to Open
- Continuously rated solenoid
- Tamper proof: lock cannot be defeated by slipping a metal object between lock and striker plate
- Thermal protection: in the event of solenoid overheating, a thermal fuse will operate eliminating any fire risk
- 5 Year Tricare Warranty (Padde Series)

**Applications**
- Misaligned doors
- Timer doors

---

**Product Details**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>12 or 24Vdc</td>
</tr>
<tr>
<td>Current (Start)</td>
<td>1100mA @ 12V, 1000mA @ 24V</td>
</tr>
<tr>
<td>Current (Holding)</td>
<td>210mA @ 12V, 90mA @ 24V</td>
</tr>
<tr>
<td>Holding Force</td>
<td>1000kg</td>
</tr>
<tr>
<td>Locking Mode</td>
<td>Fail safe or Fail Secure (non-field selectable)</td>
</tr>
<tr>
<td>Dimensions (Mortice)</td>
<td>228 x 22 mm</td>
</tr>
<tr>
<td>Bolt Length</td>
<td>12.7 x 16 mm</td>
</tr>
<tr>
<td>Face Plate Size</td>
<td>280 x 25 mm</td>
</tr>
<tr>
<td>Monitoring Contacts</td>
<td>Bolt, door and key</td>
</tr>
</tbody>
</table>

---

**Standards and Compliance**

- CE Approved
- RCM Certified
**Specification Statement**

The bolt must be able to operate in horizontal and vertical orientations. The position of the bolt must be monitored as well as have an integrated reed switch for door position monitoring. The electronic functions must include: 8 x lock and unlock attempts, 8 second unlock delay, automatic relock after 8 seconds, power reduction circuitry to limit the holding current and a one time thermal fuse cut-out in case of solenoid overheating. The face plate and strike plate must be finished in Stainless Steel.

**Ordering Information**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TB25KO-1</td>
<td>TB25 K/O D/Bolt 12-24Vdc Fail Safe Monitored</td>
</tr>
<tr>
<td>Accessories</td>
<td></td>
</tr>
<tr>
<td>228250-502</td>
<td>EB25KO SS Housing for Bolt</td>
</tr>
</tbody>
</table>
Lockwood Padde Series ES6000 Hook Lock is suitable for swinging doors, sliding doors and is easily attached to wood or steel door frames. ES6000 is heavy duty designed with its high pre-load (side load) capability of up to 300 kg, high holding force of up to 700 kg and up to 4hr fire rating. Both Power to Open and Power to Lock models are available.

The ES6000 is available in both recess and surface mounted versions.

The ES6000 recess mounted version is completed with an elegant Satin Stainless Steel Faceplate. The surface mounted version is completed with a cast aluminium cover that can be supplied in a variety of colours to match existing door frames.

ES6000 can be mounted vertically and horizontally, with self-latching ability without power for fire applications.

**Features**
- Power to Open or Power to Lock versions available
- Side load (pre-load) capable: operates freely with up to 300 kg of side pressure
- Self latching: will self latch without power for fire applications
- 680 kg holding force
- Robust construction: stainless steel components used
- Low profile: will protrude only 40 mm into door headroom
- Multi voltage: automatic selection 12 to 30Vdc with back EMF protection and reverse polarity protection
- Multi orientation: can be mounted vertically or horizontally
- Low current consumption 12VDC-250mA after 1 sec. (initial current 830mA)
  24VDC-140mA after 1 sec. (initial current 530mA)
- Monitored: locked and unlocked
- 300 kg pre-load capability
- 5 Year Tricare Warranty (Padde Series)

**Applications**
- Heavy duty applications
- Sliding and swing door applications
- High air pressure environments (high pre-load rating)

**Voltage**
- Supply Voltage 12-30Vdc Ground (OV)

**Current**
- 12Vdc: 250 mA after 1 sec. (initial current 830mA)
- 24Vdc: 140 mA after 1 sec. (initial current 530mA)

**Monitoring**
- Door Locked (Solenoid) - Door Closed (Latch)

**Strength**
- 1500 lbs. (680 kg) static strength rating
- 70 foot-lbs. dynamic strength rating

**Endurance**
- 250,000 cycles endurance testing
- Internal testing achieved: 2,000,000 cycles of operation

**Pre-Load**
- 660lbs (300kg) pre-load capability

**Environment**
- Operational temperature range: -20°C to + 60°C

**Lock Body**
- Cast Aluminium Construction

**Lock Bolt**
- Solid Stainless Steel

**Standards and Compliance**
- Successfully fire rated up to 2 hours on fire door assemblies in accordance with AS1905.1. 2005 (Part 1: Fire resistant door sets)
- Approved to UL1034 (highest level)
- RCM Certified
**ES6000 Hook Lock**

**Specification Statement**
This lock must be able to operate with up to 300 kg of preload pressure, with a holding force of 700 kg. The lock must be multi voltage selection 12 - 30 Volts with back EMF protection for reverse polarity. Lock can be mounted both horizontally or vertically. The lock needs to be subjected to vigorous testing and achieve a minimum of 2,000,000 cycles.

**Ordering Information**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES6000M-1</td>
<td>ES6000 Hook Lock Mortice 12/24Vdc Fail Safe Monitored</td>
</tr>
<tr>
<td>ES6000S-1</td>
<td>ES6000 Hook Lock Surface 12/24Vdc Fail Safe Monitored</td>
</tr>
<tr>
<td>ES6000S-2</td>
<td>ES6000 Hook Lock Mortice 12/24Vdc Fail Secure Monitored</td>
</tr>
<tr>
<td>ES6000M-2</td>
<td>ES6000 Hook Lock Surface 12/24Vdc Fail Secure Monitored</td>
</tr>
<tr>
<td>206000-010</td>
<td>Spare Cover for Hook Lock, Silver</td>
</tr>
</tbody>
</table>
The Lockwood Padde Series world famous and original V-Lock has been completely re-engineered to provide superior performance and reliability.

The ES8000-S now incorporates a new motor and 1:19 ratio gearbox providing up to 65% additional preload capability and a higher locking force up to 10Kg.

The electronic circuitry has also been completely upgraded to intelligently detect the locked state with “smart” retry function & uses on average 25% less peak current draw.

Aside from some minor cosmetic changes, the lock body and overall footprint remains unchanged and is a direct retrofit for the original V-Lock.

Features
- Side load - Pre-load Capable Lock will unlock with up to 25kg of side pressure, when wired in 3 wire mode
- Door misalignment of up to 3.5mm +/- (total of 7mm)
- Power to Lock (Fail Safe) / Power to Open (Fail Secure) field configurable
- High Torque Motorised locking and unlocking (3 wire mode)

Applications
- Misaligned doors
- Timber doors
- Glass doors

Functions
The ES8000-S has a high torque motorised bolt that moves from the vertical position to the horizontal state when locked. The bolt moves into the V shaped strike plate & allows for door misalignment of up to 7mm. The high torque motorised bolt can be concealed from view or surface mounted and has the world's first Fail-Safe motor locking mechanism.

Product Details

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>12 to 24Vdc, Voltage Tolerance 12V(+15% - 0%) 24V(+/- 15%)</td>
</tr>
<tr>
<td>Peak Current</td>
<td>1000mA*</td>
</tr>
<tr>
<td>Idle Current</td>
<td>19mA</td>
</tr>
<tr>
<td>Monitoring</td>
<td>COM, NO, NC Voltage free changeover contacts rated at 30 vdc/100mA</td>
</tr>
<tr>
<td>Unlocking Time</td>
<td>1 sec</td>
</tr>
<tr>
<td>Locking Time</td>
<td>3 sec</td>
</tr>
<tr>
<td>Security Passed</td>
<td>S3 (AS4145.2-1993)</td>
</tr>
<tr>
<td>Strength Maximum</td>
<td>1000kg (with supported strike plate and bracket)</td>
</tr>
<tr>
<td>Unlocking Preload</td>
<td>Side Load rated: Motorised Unlocking - 25kg max at bolt</td>
</tr>
<tr>
<td>Locking Force</td>
<td>Fail Safe Unlocking - 10kg max at bolt</td>
</tr>
<tr>
<td>Endurance</td>
<td>300,000 operations</td>
</tr>
<tr>
<td>Environment</td>
<td>Operational temperature range -20°C to +60°C</td>
</tr>
<tr>
<td>Locking Body</td>
<td>Stainless Steel Lock Body and Faceplate</td>
</tr>
<tr>
<td>Bolt</td>
<td>11mm diameter, 20.5mm projection</td>
</tr>
</tbody>
</table>

* Peak current is reduced but a 1000mA power supply is still required for 12v installations.

Standards and Compliance
- Successfully fire rated up to 4 hours on fire door assemblies in accordance with AS1905.1. 2005 (Part 1: Fire Resistant Doorsets).
- RCM Certified
ES8000-S V-Lock

Wiring below shows lock in locked position

### Power To Lock (PTL) Wiring Connections
- **BLACK**: 0 volts d.c.
- **BLUE**: Access Control (PTL)
- **RED**: Positive Continuous Supply
- **PURPLE**: COM
- **WHITE**: NO
- **ORANGE**: NC

#### Bolt Position Monitor

**DC Power**

### Power To Open (PTO) Wiring Connections
- **BLACK**: 0 volts d.c.
- **BLUE**: Access Control (PTO)
- **RED**: Positive Continuous Supply
- **PURPLE**: COM
- **WHITE**: NO
- **ORANGE**: NC

#### Bolt Position Monitor

**DC Power**

### Specification Statement

The lock must be a high torque motorised bolt with pre-load tolerance. The Strike Plate must be shaped in a V format to accommodate for misaligned doors. Lock will unlock with up to 25kg of side pressure and will be powered with 12-24v and draw no more than 1000mA. The lock must be configured for Power to Lock (Fail Safe) or Power to Open (Fail Secure). The lock must be triggered with a magnet positioned in strike plate and be monitored for locked unlocked and door position.

### Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES8000-1</td>
<td>ES8000 D/Bolt 12-24Vdc Fail Safe Monitored</td>
</tr>
<tr>
<td>ES8000-2</td>
<td>ES8000 D/Bolt 12-24Vdc Fail Secure Monitored</td>
</tr>
<tr>
<td>ES8000HS-1</td>
<td>ES8000 D/Bolt High Sec 12-24Vdc Fail Safe Monitored</td>
</tr>
<tr>
<td>ES8000HS-2</td>
<td>ES8000 D/Bolt High Sec 12-24Vdc Fail Secure Monitored</td>
</tr>
</tbody>
</table>

**Accessories**

| 208000-000 | ES8000 V-Lock Glass Door Housing (including dress plate and fixing tape) |
| 208000-003 | ES8000 V-Lock Strike Plate with Magnet (spare part) |
ES8000 Glass Door Bracket

The ES8000 Glass Door Bracket is the ideal solution when it comes to 180° swing through doors or double action glass doors. Until now we had to rely on other products for these applications. This bracket works in conjunction with the ES8000 and is not limited to glass thickness. As we know there are many factors that cause side load/pressure, the ES8000 resolves this problem and still offers a secure and reliable locking solution that is aesthetically appealing for glass doors.

The ES8000 Glass Door Bracket is fixed to the glass by means of 3M self adhesive tape. This type of fixing gives a great aesthetic appearance as well as easy installation.

Note: Two brackets are required if there is a glass header, also it's important to note that the bracket(s) should always be installed at the secure side of the door.

Features
-  Self adhesive holding force 900kg
-  Includes dress plate for opposite side of door
-  5 Year Tricare Warranty (Padde Series)

Applications
-  Frameless glass doors with solid header frame
-  Frameless glass doors with frameless glass header (two brackets required)
-  90° and 180° single and double swing glass doors
-  Other surface applications for timber doors.

Notes on the 3M Self Adhesive Tape
As per the 3M published data and given the surface area of the V-Lock glass door housing (around 20 sq. in.), this equates to around 900kg holding force under laboratory conditions. The actual shatter point of glass varies from door to door depending on the condition of the glass (scratches, chips etc.). But any attempt to leverage a glass door beyond 500kg will more than likely shatter it.
ES8000 Glass Door Bracket

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>208000-000</td>
<td>ES8000 V-Lock Glass Door Housing (incl Dress Plate and 3M fixing tape)</td>
</tr>
</tbody>
</table>
ES8200 Technilock®

Lockwood Padde Series ES8200 Technilock is a high security locking solution with comprehensive resistance against all types of attack and manipulation. Originally designed and developed for custodial purposes, the Technilock is in use today in government institutions, banks, embassies and jewellers.

ES8200 is available in 30mm and 60mm backset, in both Power to Lock or Power to Open configuration. Key override monitoring version is also available.

Features
- Side load (pre-load) capable – bolt will release with up to 70kg of side pressure – ideal for use on doors with seals or doors that are subjected to high wind load or air-conditioning pressures
- Extreme holding force – will withstand more than 2500kgs, the test rig manufactured to test the bolt broke at 2500kg; the bolt will withstand more than this
- Power to Lock and Power to Open (must be specified) versions available on request. The bolt is not interchangeable in the field and configuration must be specified when ordering
- High speed operation – locks in less than 1 second
- Multiple orientations – can be mounted horizontally or vertically
- Comprehensive monitoring – bolt locked, door closed, optional key-override monitoring
- 5 Year Tricare Warranty (Padde Series)

Applications
- High security locking
- Government applications
- Custodial applications
- Banking and security applications

Product Details

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>3 wire control - 24Vdc regulated supply only</td>
</tr>
<tr>
<td>Current</td>
<td>Start current 4.5 Amp (24Vdc) for ½ second Holding current 500mA (24Vdc)</td>
</tr>
<tr>
<td>Monitoring</td>
<td>Bolt position 25mA (30Vdc) NC - Door position 25mA (30Vdc) NC</td>
</tr>
<tr>
<td>Holding Force</td>
<td>In excess of 2500kg holding force</td>
</tr>
<tr>
<td>Pre Load</td>
<td>Will open with 70kg of side pressure (pre-load)</td>
</tr>
<tr>
<td>Bolt Throw</td>
<td>Dead Bolt throw of 20mm</td>
</tr>
<tr>
<td>Door Clearance</td>
<td>Maximum door gap = 5.5mm</td>
</tr>
<tr>
<td>Environment</td>
<td>Operational temperature range: -20°C to +80°C</td>
</tr>
<tr>
<td>Lock Body</td>
<td>Solid Stainless Steel Construction</td>
</tr>
<tr>
<td>Lock Bolt</td>
<td>Solid Stainless Steel</td>
</tr>
</tbody>
</table>

Standards and Compliance

- CE Approved
- SCEC Approved (Secure Area)
- RCM Certified

Successfully fire rated up to 4 hours on fire door assemblies in accordance with AS1905.1.2005 (Part 1: Fire Resistant Doorsets)
The Velocity Series is a stylish range of door furniture suitable for use in residential dwellings. Designed to suit common door preparations in the Australian market, Velocity is ideal for both new and retrofit applications.

Features and Specifications

• All fixings are concealed beneath a removable rose trim providing a crisp and clean presentation desired by the discerning home owner
• Simple twist and tighten fixing method and lever set pre-assembly allows for super easy and super fast installation
• Available in a choice of six lever designs and three finishes
• The rose fits 50mm or 54mm diameter holes making it suitable for retrofit and common door preparations
• Designed in Australia for the specific needs of the Australian market

Product Details

Dimensions
63mm by 12.5mm.

Materials
All Velocity levers and roses are made from solid zinc die-cast.

Latches
Passage sets are available both with and without a 60mm backset tubular latch.
Privacy sets are supplied with a 60mm backset privacy latch which includes an activating pin for the inside of the door and an external emergency release function. The latch is automatically released when the internal handle is operated and is easily adapted for both open in and open out applications.

All latches are supplied with industry standard “D” strikes.

Door Thickness
32mm to 45mm hinged doors

Finishes
Satin Chrome Brushed (SC)
Satin Chrome Pearl (SP)
Chrome Plate (CP)

Standards and Compliance

Fire Rated.
High security for maximum protection (AS4145.2:1993).
High durability for maximum frequency usage.
Anti-Corrosion.

Delayed Egress Devices

5 YEAR TRICARE WARRANTY
PADDE SERIES
Lockwood Padde Series DE6SC Delayed Egress Device

Description
The Lockwood Padde Series DE6SC is designed to alert a user if an unauthorised attempt is made to access a door, particularly when free egress is required. The unit emits an infrared beam down towards a panic bar or lever. A small piece of reflective tape is placed on either of these two devices and when an attempt is made to push the panic bar or lever, the DE6SC will trigger an alarm. After 15 seconds the DE6SC releases the electronic locking mechanism thereby unlocking the door. The alarm continues to sound giving someone the opportunity to investigate the security breach. The unit is reset by disconnecting the power, this can be achieved through a keyswitch or access control panel. The delayed exit operation of the DE6SC will be overridden in the event of a fire alarm or duress. The ability to override the delay is what makes the DE6SC suitable for the locking of fire door or general emergency exits.

Product Details

<table>
<thead>
<tr>
<th>Voltage</th>
<th>12v AC or DC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current</td>
<td>12Vdc - 375mA after 1 second (830mA initial draw)</td>
</tr>
<tr>
<td>Monitoring</td>
<td>Lock and Door Monitoring</td>
</tr>
<tr>
<td>Holding Force</td>
<td>1500lbs 680kg</td>
</tr>
<tr>
<td>Pre-Load</td>
<td>660lbs 300kg</td>
</tr>
<tr>
<td>Environment Operational</td>
<td>Temperature Range -20°C - +60°C</td>
</tr>
</tbody>
</table>

Standards and Compliance

- CE Approved
- RCM Certified
- Successfully fire rated up to 2 hours on fire door assemblies in accordance with AS1905.1.2005 (Part 1: Fire Resistant Doorsets)
- Locking Mechanism (ES6000) conforms with the relevant requirements in accordance to AS4145.2
- Conforms to D2.21 of the BCA (Building Code of Australia)

Key Features
- Slave lock input for double doors
- Fail safe push to exit input
- Alarm output connected directly to siren
- Remote monitor alarm output
- Lock monitoring
- Door monitoring

Applications
- Fire exit doors for retail or commercial environments
DE6SC Delayed Egress Device

Description
The Velocity Series is a stylish range of door furniture suitable for use in residential dwellings. Designed to suit common door preparations in the Australian market, Velocity is ideal for both new and retrofit applications.

Features and Specifications
• All fixings are concealed beneath a removable rose trim providing a crisp and clean presentation desired by the discerning home owner
• Simple twist and tighten fixing method and lever set pre-assembly allows for super easy and super fast installation
• Available in a choice of six lever designs and three finishes
• The rose fits 50mm or 54mm diameter holes making it suitable for retrofit and common door preparations
• Designed in Australia for the specific needs of the Australian market

Dimensions
63mm by 12.5mm.

Materials
All Velocity levers and roses are made from solid zinc die-cast.

Latches
Passage sets are available both with and without a 60mm backset tubular latch. Privacy sets are supplied with a 60mm backset privacy latch which includes an activating pin for the inside of the door and an external emergency release function. The latch is automatically released when the internal handle is operated and easily adapted for both open in and open out applications.

All latches are supplied with industry standard “D” strikes.

Finishes
Satin Chrome Brushed (SC)
Satin Chrome Pearl (SP)
Chrome Plate (CP)

Details
63mm by 12.5mm. All Velocity levers and roses die-cast.

Passage sets are available both with and without a 60mm backset tubular latch. Privacy sets are supplied with a 60mm backset privacy latch which includes an activating pin for the inside of the door and an external emergency release function. The latch is automatically released when the internal handle is operated and easily adapted for both open in and open out applications. All latches are supplied with industry standard “D” strikes.

Door Thickness
32mm to 45mm hinged doors

Compliance
Fire Rated.
High security for maximum protection (AS4145.2:1993).
High durability for maximum frequency usage.
Anti-Corrosion.

Striker

Mounting Plate

Striker

Allow nut to expand wood for tight fit

Infrared Beam

Range 800 - 1600mm
Max range 2000mm (requires 2 pieces of reflective tape)

1mm Door Gap

8mm clearance

View from Top of the Door
ø10.0mm for metal door
ø9.0mm for wood doors

Allow nut to expand wood for tight fit

DE6SC Delayed Egress Device
The Velocity Series is a stylish range of door furniture suitable for use in residential dwellings. Designed to suit common door preparations in the Australian market, Velocity is ideal for both new and retrofit applications.

Features and Specifications
- All fixings are concealed beneath a removable rose trim providing a crisp and clean presentation desired by the discerning home owner
- Simple twist and tighten fixing method and lever set pre-assembly allows for super easy and super fast installation
- Available in a choice of six lever designs and three finishes
- The rose fits 50mm or 54mm diameter holes making it suitable for retrofit and common door preparations
- Designed in Australia for the specific needs of the Australian market

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>100610-050</td>
<td>DE6SC Delayed Egress Hook Lock</td>
</tr>
<tr>
<td>220600-507</td>
<td>DE6SC Reflective Tape</td>
</tr>
</tbody>
</table>

Specification Statement
The delayed egress system must be "deemed to satisfy" the relevant sections of the Building Code of Australia. The system should be capable of integration with the building fire system where activation of the fire system will directly and immediately release the lock. An audible alarm should indicate to a person wishing to exit that a delay before door release is active and a distinctive change of this audible alarm would indicate the door is available for immediate exit. The delaying circuits should also be suitable for instant bypass if an emergency pushbutton is fitted adjacent to the door. Full monitoring of lock status and door position should be available from within the system. Resetting of a released door should be by a local key reset or remotely resettable depending on site requirements.

Product Details
- **Dimensions**: 63mm by 12.5mm.
- **Materials**: All Velocity levers and roses are made from solid zinc die-cast.
- **Passage sets**: are available both with and without a 60mm backset tubular latch.
- **Privacy sets**: are supplied with a 60mm backset privacy latch which includes an activating pin for the inside of the door and an external emergency release function. The latch is automatically released when the internal handle is operated and is easily adapted for both open in and open out applications.
- **Door Thickness**: 32mm to 45mm hinged doors
- **Finishes**: Satin Chrome Brushed (SC), Satin Chrome Pearl (SP), Chrome Plate (CP)

Standards and Compliance
- **Fire Rated**
- **S3** High security for maximum protection (AS4145.2:1993).
- **D3** High durability for maximum frequency usage.
- **Anti-Corrosion**
ES8200 Technilock®

Dimensions - 30mm Backset

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Backset</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>30</td>
</tr>
<tr>
<td>B</td>
<td>47.5</td>
</tr>
<tr>
<td>C</td>
<td>25</td>
</tr>
<tr>
<td>D</td>
<td>101</td>
</tr>
<tr>
<td>H</td>
<td>8</td>
</tr>
</tbody>
</table>

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>118203-000</td>
<td>ES8203 24Vdc Technilock Fail Safe 30mm</td>
</tr>
<tr>
<td>118203-001</td>
<td>ES8203 24Vdc Technilock Fail Safe 60mm</td>
</tr>
<tr>
<td>118204-000</td>
<td>ES8204 24Vdc Technilock Fail Secure 30mm</td>
</tr>
<tr>
<td>118204-001</td>
<td>ES8204 24Vd Technilock Fail Secure 60mm</td>
</tr>
<tr>
<td>Accessories</td>
<td>Optional Security Escutcheon for ES8200 High Security Bolt</td>
</tr>
</tbody>
</table>

Specification Statement

The lock must be capable of side pressure and with an overall holding force not less than 2500kgs. Also with side load pressure under pre-load conditions up to 70kg. The lock could be mounted both horizontally or vertically. It also must be monitored in the following ways; bolt locked, door closed, with an optional key-override.
Electric Mortice Locks
3570 Series
Electric Mortice Lock
page 65

3579 Series
Electric Mortice Lock
page 71

3579HS Series
Electric Mortice Lock
page 73

Hi-O Room Guard
Locking System
page 75

3580 Series
Electric Mortice Lock
page 78

Power Transfer Lead
page 83
Designed and manufactured in Australia, the 3570 Series Electric Mortice Lock is a high performance lock of superior quality. It is constructed from high grade zinc alloy, with a stainless steel latch bolt and faceplate and is suited for all commercial applications.

The lock can be operated by push buttons, intercom systems and key switches; or integrated with electronic access control systems for use with higher security devices such as keypads or card readers.

### Standards and Compliance

- **SL8** (Security) Australian Lock Standard (AS4145.2.2008) (when used with equivalent security level keying system)
- **D8** (Durability) Australian Lock Standard (AS4145.2.2008)
- Successfully fire rated up to 4hrs on fire door assemblies in accordance with AS1905.1. 2005 (Part 1: Fire resistant door sets)
- RCM Certified

### Product Details

- **Voltage**: 12Vdc - 24Vdc Operating Voltage
- **Current**:
  - 500mA (max) 80mA holding @ 12Vdc
  - 275mA (max) 50mA holding @ 24Vdc
- **LED Current**: When LED’s are fitted, add 15mA (max) to total current draw
- **Monitoring**:
  - Dual Key override
  - Deadlatched
  - Locked
  - Door closed
  - Request to exit
  - Microswitches: 500mA (max) @ 30Vdc each circuit.
  - Reedswitch: 100mA (max) @ 30Vdc
- **Environment**:
  - Operational temperature range -20°C to +60°C
- **Case/Cover**: High purity Zinc alloy construction
- **Backset**: 60mm standard, 89 & 127 mm available
- **Latch Bolts**: Reversible with Stainless Steel construction
- **Door Clearance**: 3 - 6.5 mm
- **Door Thickness**: Standard applications 32 to 50mm
- **Cylinder**: Standard Lockwood oval shaped cylinders
- **Cabling**: 1.6 metre length of cable with 12 pin socket supplied with each lock. Recommended cable: 18AWG (0.82mm²) cable runs up to 30m
- **Furniture**: Compatible with Lockwood series door furniture
- **Standard Finishes**: Satin Chrome (SC) standard
Key Features
Designed with flexibility in mind, the one lock can cover all functions and is easily configured on site for the required application.

Available in non monitored and monitored versions.

Monitoring Features:
- Dead latched and Locked
- Door position/Reed switch
- Dual key override monitoring
- Request to exit/REX
- LED indication

Field Changeable Settings:
- Fail Safe/Fail Secure configuration.
- Multi-voltage - will work on 12-24 Vdc systems.
- Handing - left hand and right hand doors
- Selection of free lever or locked lever on both sides of the door
- Key override monitoring either side of the door
- Monitoring contacts – normally closed, normally open (for key override and request to exit only)

3570 Series Electric Mortice Lock

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Backset</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>60 89 127</td>
</tr>
<tr>
<td>B</td>
<td>100 129 167</td>
</tr>
</tbody>
</table>

Specification Statement
The lock should be capable of operation on voltages between 12 – 24Vdc and have a current consumption not more than 80mA (holding) @12Vdc and 50mA (holding) @24Vdc. Monitored locks must be capable of monitoring the following functions: Key override, door position / reed switch, selectable hub / Request to exit and locking bar status. All monitoring outputs must have the ability to be wired independently. All settings – including: fail safe / fail secure, handing, hub selection must be field configurable.
**Ordering Procedure**
Sample part number 3572ELAM2RSC is made up of several sections. Choose your product by selecting an option from each section.

**Ordering Notes**
- 3570 primary locks can be set to achieve all lock functions post purchase, and should be the preferred option when ordering.
- Customised locks are available upon request and incur an additional surcharge and 10 day lead time.
- See over page for primary lock part numbers.

**Handing Chart**

**Backset**  
Nominate backset as required, e.g. 60mm  
- 60 mm  
- 89 mm  
- 127 mm  

**Series**  
Synergy Series, e.g. 35  

**Lock Function**  
- Primary Lock  
- Vestibule Lock  
- Combination Lock  

**Electric Lock**  
- Electric Lock  

**Safety Function**  
- Fail Safe (Power to lock)  
- Fail Secure (Power to unlock)  

**Sub Function**  
- Non-monitored Lock (0 Cylinders)  
- Non-monitored Lock (1 Cylinders)  
- Non-monitored Lock (1 Cylinder)  
- Non-monitored Lock (2 Cylinders)  
- Fully monitored Lock including KOM (0 Cylinders)  
- Fully monitored Lock including KOM (1 Cylinder)  
- Fully monitored Lock including KOM (2 Cylinders)  

**Handing**  
- Right Handed  
- Left Handed  

**Finish**  
- Satin Chrome  

**Sample part number 3572ELAM2RSC**  
- Backset: 60 mm  
- Series: Synergy  
- Lock Function: Primary Lock  
- Electrical Variant: Electric Lock  
- Safety Function: Fail Safe  
- Sub Function: Non-monitored Lock (0 Cylinders)  
- Handing: Right Handed  
- Finish: Satin Chrome
### Ordering Notes

- Primary locks can be set post purchase to achieve all desired lock settings e.g. Fail Safe or Fail Secure, left hand or right hand, combination lock (locked both sides) or vestibule lock (locked outside and free lever inside)
- All locks are multi-voltage 12-24Vdc
- 3570 primary locks (std 60mm backset) with no cylinder are stocked items. All other items are made to order, 10 day lead time.

#### Primary Electric Mortice Lock Ordering Procedure

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Cylinders</th>
<th>Product Description - Non-Monitored</th>
</tr>
</thead>
<tbody>
<tr>
<td>3570ELN0SC</td>
<td>No Cylinder</td>
<td>Electric Mortice Lock 3570 Primary Lock 60mm Backset Non Monitored</td>
</tr>
<tr>
<td>3570ELN1SC</td>
<td>1 Cylinder</td>
<td>Electric Mortice Lock 3570 Primary Lock 60mm Backset Non Monitored</td>
</tr>
<tr>
<td>3570ELN2SC</td>
<td>2 Cylinders</td>
<td>Electric Mortice Lock 3570 Primary Lock 60mm Backset Non Monitored</td>
</tr>
<tr>
<td>4570ELN0SC</td>
<td>No Cylinder</td>
<td>Electric Mortice Lock 4570 Primary Lock 89mm Backset Non Monitored</td>
</tr>
<tr>
<td>4570ELN1SC</td>
<td>1 Cylinder</td>
<td>Electric Mortice Lock 4570 Primary Lock 89mm Backset Non Monitored</td>
</tr>
<tr>
<td>4570ELN2SC</td>
<td>2 Cylinders</td>
<td>Electric Mortice Lock 4570 Primary Lock 89mm Backset Non Monitored</td>
</tr>
<tr>
<td>5570ELN0SC</td>
<td>No Cylinder</td>
<td>Electric Mortice Lock 5570 Primary Lock 127mm Backset Non Monitored</td>
</tr>
<tr>
<td>5570ELN1SC</td>
<td>1 Cylinder</td>
<td>Electric Mortice Lock 5570 Primary Lock 127mm Backset Non Monitored</td>
</tr>
<tr>
<td>5570ELN2SC</td>
<td>2 Cylinders</td>
<td>Electric Mortice Lock 5570 Primary Lock 127mm Backset Non Monitored</td>
</tr>
<tr>
<td>Part Number</td>
<td>Cylinders</td>
<td>Product Description - Monitored (hub, deadlatch, solenoid, door position, key override monitoring all as standard)</td>
</tr>
<tr>
<td>3570ELM0SC</td>
<td>No Cylinder</td>
<td>Electric Mortice Lock 3570 Primary Lock 60mm Backset Monitored</td>
</tr>
<tr>
<td>3570ELM1SC</td>
<td>1 Cylinder</td>
<td>Electric Mortice Lock 3570 Primary Lock 60mm Backset Monitored</td>
</tr>
<tr>
<td>3570ELM2SC</td>
<td>2 Cylinders</td>
<td>Electric Mortice Lock 3570 Primary Lock 60mm Backset Monitored</td>
</tr>
<tr>
<td>4570ELM0SC</td>
<td>No Cylinder</td>
<td>Electric Mortice Lock 4570 Primary Lock 89mm Backset Monitored</td>
</tr>
<tr>
<td>4570ELM1SC</td>
<td>1 Cylinder</td>
<td>Electric Mortice Lock 4570 Primary Lock 89mm Backset Monitored</td>
</tr>
<tr>
<td>4570ELM2SC</td>
<td>2 Cylinders</td>
<td>Electric Mortice Lock 4570 Primary Lock 89mm Backset Monitored</td>
</tr>
<tr>
<td>5570ELM0SC</td>
<td>No Cylinder</td>
<td>Electric Mortice Lock 5570 Primary Lock 127mm Backset Monitored</td>
</tr>
<tr>
<td>5570ELM1SC</td>
<td>1 Cylinder</td>
<td>Electric Mortice Lock 5570 Primary Lock 127mm Backset Monitored</td>
</tr>
<tr>
<td>5570ELM2SC</td>
<td>2 Cylinders</td>
<td>Electric Mortice Lock 5570 Primary Lock 127mm Backset Monitored</td>
</tr>
</tbody>
</table>
Extended Cylinders

Extended cylinders should be considered when door thickness exceeds 50 mm or when the lock is mounted off centre in the door edge. Lockwoods modular cylinder extensions can be used to produce an extended cylinder. Refer to ASSA ABLOY Australia Keying and Restricted Price List for further information.

---

**Accessories - Rebate Kits**

<table>
<thead>
<tr>
<th>Part Numbers</th>
<th>“A”</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>3772-RK32CP</td>
<td>32</td>
<td>Chrome Plate</td>
</tr>
<tr>
<td>3772-RK46CP</td>
<td>46</td>
<td>Chrome Plate</td>
</tr>
<tr>
<td>3772-RK32PB</td>
<td>32</td>
<td>Polished Brass</td>
</tr>
<tr>
<td>3772-RK46PB</td>
<td>46</td>
<td>Polished Brass</td>
</tr>
<tr>
<td>3772-RK32SS</td>
<td>32</td>
<td>Satin Stainless Steel</td>
</tr>
<tr>
<td>3772-RK46SS</td>
<td>46</td>
<td>Satin Stainless Steel</td>
</tr>
</tbody>
</table>

---

**Accessories - Long Lipped Strikes**

<table>
<thead>
<tr>
<th>Part Numbers</th>
<th>“A”</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>3772-STK43CP</td>
<td>43.5</td>
<td>Chrome Plate</td>
</tr>
<tr>
<td>3772-STK47CP</td>
<td>47.5</td>
<td>Chrome Plate</td>
</tr>
<tr>
<td>3772-STK43PB</td>
<td>43.5</td>
<td>Polished Brass</td>
</tr>
<tr>
<td>3772-STK47PB</td>
<td>47.5</td>
<td>Polished Brass</td>
</tr>
<tr>
<td>3772-STK43SS</td>
<td>43.5</td>
<td>Satin Stainless Steel</td>
</tr>
<tr>
<td>3772-STK47SS</td>
<td>47.5</td>
<td>Satin Stainless Steel</td>
</tr>
</tbody>
</table>

---

**Accessories - Cable Accessories**

<table>
<thead>
<tr>
<th>Part Numbers</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP572-3129</td>
<td>LED assembly to suit 3570/3580 (suits furniture for monitored locks)</td>
</tr>
<tr>
<td>SP3570-1055</td>
<td>Extended 7.5M cable (12 wire) to suit 3570 locks</td>
</tr>
<tr>
<td>SP3570-5871</td>
<td>9/12 wire adaptor</td>
</tr>
<tr>
<td>LC8810</td>
<td>323mm Power Transfer Cable</td>
</tr>
<tr>
<td>LC8811</td>
<td>543mm Power Transfer Cable</td>
</tr>
</tbody>
</table>

---

**Accessories - Extended Cylinders**

<table>
<thead>
<tr>
<th>“A” Cylinder Projection</th>
<th>Cylinder Length</th>
<th>Recommended Door Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
<td>37</td>
<td>50 to 60</td>
</tr>
<tr>
<td>52</td>
<td>48</td>
<td>60 to 84</td>
</tr>
<tr>
<td>64</td>
<td>60</td>
<td>84 to 108</td>
</tr>
<tr>
<td>80</td>
<td>76</td>
<td>108 to 132</td>
</tr>
<tr>
<td>88</td>
<td>84</td>
<td>132 to 156</td>
</tr>
</tbody>
</table>
Electrical Specifications

Circuit Diagram

Note: Diagram depicts fail safe RH opened door, with handle and key in rest state.

DIL Switch Settings

<table>
<thead>
<tr>
<th>Switch Number</th>
<th>Lock Side</th>
<th>Normal Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>A</td>
<td>N/C</td>
</tr>
<tr>
<td>2</td>
<td>A</td>
<td>N/O</td>
</tr>
<tr>
<td>3</td>
<td>B</td>
<td>N/C</td>
</tr>
<tr>
<td>4</td>
<td>B</td>
<td>N/O</td>
</tr>
</tbody>
</table>

Key Override Monitor Selection

Set the 2 way switch to desired setting

Key Override Monitor Selection

Solenoid Activation

Operating Voltage:
12 - 24Vdc

Operating Current:
500mA (max) 80mA holding @ 12Vdc
275mA (max) 50mA holding @ 24Vdc

For confirmation of the above mentioned operating current, please see installation manual

LED Current

Where LEDs are fitted, add 20mA (max) to total operating current

Monitoring Circuits

Microswitches: 500mA (max) @ 30Vdc each circuit
Reedswitch: 100mA (max) @ 30Vdc

Colour | Function
--- | ---
Black | Solenoid (0Vdc)
Red | Solenoid Positive (12Vdc - 30Vdc)
Green | LED (12Vdc - 30Vdc)
Yellow | Door Closed Reedswitch (NC)
Pink | Door Closed Reedswitch (Common)
Light Blue | Deadlatched and Locked (NC)
Grey | Deadlatched and Locked (Common)
White | Deadlatched and Locked Centre Tap
Brown | Hub Monitor (NO or NC)
Blue | Hub Monitor (Common)
Orange | Key Override Monitor (NO or NC)
Violet | Key Override Monitor (Common)
Designed and manufactured in Australia, the 3579 Series Electric Mortice is a high performance lock of superior quality. It is constructed from high grade zinc alloy secured between stainless plates making suitable for high security applications.

The 3579 lock can be operated by push buttons, intercom systems and key switches; or integrated with electronic access control systems for use with higher security devices such as keypads or card readers.

### Product Details

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Voltage</strong></td>
<td>12Vdc - 24Vdc Operating Voltage</td>
</tr>
<tr>
<td><strong>Current</strong></td>
<td>500mA (max) 80mA holding @ 12Vdc, 275mA (max) 50mA holding @ 24Vdc</td>
</tr>
<tr>
<td><strong>LED Current</strong></td>
<td>When LED’s are fitted, add 15mA (max) to total current draw</td>
</tr>
<tr>
<td><strong>Monitoring</strong></td>
<td>Dual Key override Deadlatched Locked, Door closed Request to exit</td>
</tr>
<tr>
<td><strong>Environment</strong></td>
<td>Operational temperature range -20c to +60c</td>
</tr>
<tr>
<td><strong>Case/Cover</strong></td>
<td>High purity Zinc alloy construction with Stainless Steel plates</td>
</tr>
<tr>
<td><strong>Backset</strong></td>
<td>60mm standard, 89 &amp; 127mm available</td>
</tr>
<tr>
<td><strong>Latch Bolts</strong></td>
<td>Reversible with Stainless Steel construction</td>
</tr>
<tr>
<td><strong>Door Clearance</strong></td>
<td>3 - 6.5mm</td>
</tr>
<tr>
<td><strong>Door Thickness</strong></td>
<td>Standard applications 32 to 50mm</td>
</tr>
<tr>
<td><strong>Cylinder</strong></td>
<td>Standard Lockwood oval shaped cylinders</td>
</tr>
<tr>
<td><strong>Cabling</strong></td>
<td>1.6 metre length of cable with 12 pin socket supplied with each lock. Recommended cable: 18AWG (0.82mm²) cable runs up to 30m</td>
</tr>
<tr>
<td><strong>Furniture</strong></td>
<td>Compatible with Lockwood series door furniture</td>
</tr>
<tr>
<td><strong>Standard Finishes</strong></td>
<td>Satin Chrome (SC) standard</td>
</tr>
</tbody>
</table>

### Standards and Compliance

<table>
<thead>
<tr>
<th>Standard</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SL8</strong></td>
<td>Australian Lock Standard (AS4145.2.2008) (when used with equivalent security level keying system)</td>
</tr>
<tr>
<td><strong>D8</strong></td>
<td>(Durability) Australian Lock Standard (AS4145.2.2008)</td>
</tr>
</tbody>
</table>

Successfully fire rated up to 4hrs on fire door assemblies in accordance with AS1905.1. 2005 (Part 1: Fire resistant door sets)

**RCM Certified**
Key Features
Designed with flexibility in mind, the one lock can cover all functions and is easily configured on site for the required application.
- Stainless Steel Latch and Faceplate
- Stainless Steel Plates that encapsulate the body against attempted vandalism
- Available in Monitored versions only

Monitoring Features
- Dead latched and Locked
- Door position/Reed switch
- Dual key override monitoring
- Request to exit/REX
- LED indication

Field Changeable Settings
- Fail safe/fail secure configuration.
- Multi-voltage - will work on 12-24 Vdc systems.
- Handing - left hand and right hand doors
- Selection of free lever or locked lever on both sides of the door
- Key override monitoring either side of the door
- Monitoring contacts – normally closed, normally open (for key override and request to exit only)

Specification Statement
The lock body should be encapsulated with Stainless Steel. The lock should be capable of operation on voltages between 12 – 24 Vdc and have a current consumption not more than 80mA (holding) @12Vdc and 50mA (holding) @24Vdc. Monitored locks must be capable of monitoring the following functions: Key override, door position / reed switch, selectable hub / Request to exit and locking bar status. All monitoring outputs must have the ability to be wired independently. All settings – including: fail safe / fail secure, handing, hub selection must be field configurable.
Designed and manufactured in Australia, the 3579HS Series Electric Mortice is designed for unique applications where Fail Secure functionality is required externally with Fail Safe functionality on the inside. To achieve this function the lock must be used in conjunction with an electric strike.

The 3579HS is constructed from the same material as the 3579 counterpart.

### Product Details

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Voltage</strong></td>
<td>12Vdc - 24Vdc Operating Voltage</td>
</tr>
<tr>
<td><strong>Current</strong></td>
<td>500mA (max) 80mA holding @ 12Vdc 275mA (max) 50mA holding @ 24Vdc</td>
</tr>
<tr>
<td><strong>LED Current</strong></td>
<td>When LED’s are fitted, add 15mA (max) to total current draw</td>
</tr>
<tr>
<td><strong>Monitoring</strong></td>
<td>Dual Key override Deadlatched Locked Door closed Request to exit</td>
</tr>
<tr>
<td><strong>Microswitches</strong></td>
<td>Reedswitch: 500mA (max) @ 30Vdc each circuit.</td>
</tr>
<tr>
<td><strong>Environment</strong></td>
<td>Operational temperature range -20c to +60c</td>
</tr>
<tr>
<td><strong>Case/Cover</strong></td>
<td>High purity Zinc alloy construction with Stainless Steel plates</td>
</tr>
<tr>
<td><strong>Backset</strong></td>
<td>60mm standard, 89 &amp; 127mm available</td>
</tr>
<tr>
<td><strong>Latch Bolts</strong></td>
<td>Reversible with Stainless Steel construction</td>
</tr>
<tr>
<td><strong>Door Clearance</strong></td>
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<td><strong>Door Thickness</strong></td>
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</tr>
<tr>
<td><strong>Cylinder</strong></td>
<td>Standard Lockwood oval shaped cylinders</td>
</tr>
<tr>
<td><strong>Cabling</strong></td>
<td>1.6 metre length of cable with 12 pin socket supplied with each lock. Recommended cable: 18AWG (0.82mm²) cable runs up to 30m</td>
</tr>
<tr>
<td><strong>Furniture</strong></td>
<td>Compatible with Lockwood series door furniture</td>
</tr>
<tr>
<td><strong>Standard Finishes</strong></td>
<td>Satin Chrome (SC)</td>
</tr>
</tbody>
</table>

### Standards and Compliance

<table>
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<th>Standard</th>
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<tbody>
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</tr>
<tr>
<td>D8</td>
<td>(Durability) Australian Lock Standard (AS4145.2.2008)</td>
</tr>
<tr>
<td><strong>Fire</strong></td>
<td>Successfully fire rated up to 4hrs on fire door assemblies in accordance with AS1905.1.2005 (Part 1: Fire resistant door sets)</td>
</tr>
<tr>
<td><strong>RCM</strong></td>
<td>Certified</td>
</tr>
</tbody>
</table>
Key Features
Designed with flexibility in mind, the one lock can cover all functions and is easily configured on site for the required application.
- Stainless Steel Latch and Faceplate
- Stainless Steel Plates that encapsulate the body against attempted vandalism
- Available in Monitored versions only

Monitoring Features
- Dead latched and Locked
- Door position/Reed switch
- Dual key override monitoring
- Request to exit/REX
- LED indication

Field Changeable Settings
- Fail safe/fail secure configuration.
- Multi-voltage - will work on 12-24 Vdc systems.
- Handing - left hand and right hand doors
- Selection of free lever or locked lever on both sides of the door
- Key override monitoring either side of the door
- Monitoring contacts – normally closed, normally closed

Note: This lock is designed to operate in conjunction with an electric strike. The lock will never unlock electrically from the external side.

Lock Functions
The 3579HS Series Lock is designed to provide internal emergency egress on doors whereby the door remains secure on the outside in the event of a fire alarm or break glass event.

A typical door setup would include the following hardware:
- Proximity readers on both sides of the door to gain access either way
- 3579HS Electric Mortice Lock set to Fail Safe inside. Note the lock remains in the locked state (externally) 100% of the time if power is applied or not.
- Electric strike set to fail secure
- Break glass or Fire Panel connected to the mortice lock only

To enter or exit the door the user would swipe a proximity card to the reader. Upon authorisation from the EAC panel the electric strike would unlock, allowing the user to open the door. The electric mortice lock does not change state.

In the event of an emergency (fire alarm or break glass activation), power is cut to the electric mortice lock & places it in a fail safe mode on the internal side only. The mortice lock remains in a Fail Secure state on the external side.

Note: The 3579HS Series Lock can never be electrically unlocked from the outside. A secondary locking device (electric strike) must be used in conjunction with this lock.

Specification Statement
The lock body should be encapsulated with Stainless Steel. The lock should be capable of operation on voltages between 12 – 24Vdc and have a current consumption not more than 80mA (holding) @12Vdc and 50mA (holding) @24Vdc. Monitored locks must be capable of monitoring the following functions: Key override, door position / reed switch, selectable hub / Request to exit and locking bar status. All monitoring outputs must have the ability to be wired independently. All settings – including: fail safe / fail secure, handing, hub selection must be field configurable. The lock must be capable of operating in fail safe mode internally and fail secure mode externally when used in conjunction with an electric strike.
The Room Guard Locking System is based on state-of-the-art Hi-O technology platform developed by ASSA ABLOY.

Bringing a new dimension to electronic locking systems as we know them today, the Hi-O platform has enabled this unique product offering that is designed for ease of use and simplified installation.

The system provides electronic lock control of multiple doors for any room requiring privacy by the occupants. The most common applications are shared bathrooms in hospitals and conference rooms with dual entries. The intelligence is embedded in the locking devices themselves, resulting in a plug and play system without the need for a door controller to lock and unlock the door; therefore extremely easy to install and cost-effective.

**Key Features**
- One touch privacy
- All components supplied in one neat kit
- Plug and Play connectivity
- No requirement for external door controller or EAC system
- Fast, accurate and cost-effective installation

**Applications**
- Shared bathrooms
- Conference rooms
- Laboratories

**Function**

**Locking the door**
- Enter either door and close door
- Activate internal turn knob
- Both doors automatically lock - outside
- External handles indicate red (locked)

**To unlock/exit**
- Activate internal lever on either door
- Both doors automatically unlock
- External handles indicate green (unlocked)

**Note:** In the event of an emergency, the doors may be unlocked externally via emergency override switches if fitted.

**Standards and Compliance**

- Successfully fire rated up to 4 hours on fire door assemblies in accordance with AS1905.1.2005
- RCM Certified
**Hi-O Room Guard Locking System**

**Two Door Installation Layout**

![Diagram of Two Door Installation Layout](image)

**Installation Overview**

The Room Guard Locking System does not require an external door controller to lock or unlock the door. The Electric Mortice Locks are simply plugged together, connected to the emergency override switches and then plugged into the power supply.

**Note:** The use of emergency override switches may not be required. In that case, the power supply is connected directly to mortice locks.
## Hi-O Room Guard Locking System

### Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3570ELHRGOSC</td>
<td>Hi-O Room Guard Mortice Lock</td>
</tr>
<tr>
<td>EA280</td>
<td>Power Transfer</td>
</tr>
<tr>
<td>RG2SC</td>
<td>Room Guard Turn Knob Assembly</td>
</tr>
<tr>
<td>HPS-24VDC</td>
<td>24Vdc Power supply unit</td>
</tr>
<tr>
<td>HLM-004</td>
<td>4 Way Adaptor</td>
</tr>
<tr>
<td>HLM-018</td>
<td>Override Switch Wire – 15M</td>
</tr>
<tr>
<td>HLM-008</td>
<td>8M Extension Cable</td>
</tr>
<tr>
<td>HLM-011</td>
<td>Terminal Strip Adaptor (PAIR)</td>
</tr>
<tr>
<td>HLM-012</td>
<td>Hi-O Termination Socket</td>
</tr>
<tr>
<td>HPM-SW1</td>
<td>Emergency Switch</td>
</tr>
<tr>
<td>HPM-FP1</td>
<td>Faceplate for Emergency Switch</td>
</tr>
</tbody>
</table>

### Room Guard Kit - Contents

<table>
<thead>
<tr>
<th>Contents</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hi-O Room Guard Mortice Lock</td>
<td>2</td>
</tr>
<tr>
<td>Power Transfer</td>
<td>2</td>
</tr>
<tr>
<td>Room Guard Turn Knob Assembly</td>
<td>2</td>
</tr>
<tr>
<td>24Vdc Power supply unit</td>
<td>1</td>
</tr>
<tr>
<td>4 Way Adaptor</td>
<td>1</td>
</tr>
<tr>
<td>Override Switch Wire – 15M</td>
<td>2</td>
</tr>
<tr>
<td>8M Extension Cable</td>
<td>2</td>
</tr>
<tr>
<td>Terminal Strip Adaptor (PAIR)</td>
<td>1</td>
</tr>
<tr>
<td>Hi-O Termination Socket</td>
<td>1</td>
</tr>
<tr>
<td>Emergency Switch</td>
<td>2</td>
</tr>
<tr>
<td>Faceplate for Emergency Switch</td>
<td>2</td>
</tr>
</tbody>
</table>

### Accessories Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3570HRGKIT</td>
<td>Room Guard Kit – 2 doors</td>
</tr>
<tr>
<td>1822/70SC</td>
<td>Exterior door furniture with LED</td>
</tr>
<tr>
<td>1920/70SC</td>
<td>Interior door furniture</td>
</tr>
</tbody>
</table>

### Ordering Information

The Room Guard Kit contains all necessary components and power supply to install a two door system. The door furniture must be ordered separately.

1. Order Room Guard two door kit
2. Order door furniture for two doors

### Additional Information

- For alternative door furniture options and finishes, refer to Lockwood Product Catalogue Section 3.70 – Plate Door Furniture
- Locks are designed to work in fail safe mode
- Locks are non handed and can be configured on site
Designed and manufactured in Australia, the 3580 Series Electric Mortice Lock is a high performance lock of superior quality. It is constructed from high grade zinc alloy, with a stainless steel latch bolt and face plate and is suited for all commercial applications.

The lock can be operated by push buttons, intercom systems and key switches or integrated with electronic access control systems for use with higher security devices such as keypads or card readers.

The 3580 Series is available in a wide variety of configurations to suit varying requirements and is especially suited to narrow style or short backset applications.

**Key Features**
Available in non monitored and monitored versions.

**Monitoring features:**
- Dead latched
- Door position/reed switch
- Key override
- Request to exit/REX

**Available configurations:**
- Fail Safe or Fail Secure
- 12Vdc or 24Vdc
- Field changeable monitoring contacts – normally closed, normally open
- Field changeable handing – left hand and right hand doors
- Selection of free lever or locked lever on both sides of the door
- Key override monitoring
- LED indication

**Standards and Compliance**
- S2 (Security) Australian Lock Standard (AS4145.2.1993)
- D3 (Durability) Australian Lock Standard (AS4145.2.1993)
- RCM Certified

**Product Details**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>Available in 12Vdc - 24Vdc</td>
</tr>
<tr>
<td>Current</td>
<td>12Vdc ± 5% 250mA (max)</td>
</tr>
<tr>
<td></td>
<td>24Vdc ± 5% 125mA (max)</td>
</tr>
<tr>
<td>LED Current</td>
<td>When LEDs are fitted, add 15mA (max) to total current draw</td>
</tr>
<tr>
<td>Monitoring</td>
<td>Key override</td>
</tr>
<tr>
<td></td>
<td>Deadlatched and door closed</td>
</tr>
<tr>
<td></td>
<td>Request to exit</td>
</tr>
<tr>
<td>Hub/deadlatch/key override monitor: max ratings</td>
<td>500mA @ 30Vdc</td>
</tr>
<tr>
<td>Door status monitor: max ratings</td>
<td>3W, 250mA (max)</td>
</tr>
<tr>
<td>Environment</td>
<td>Operational temperature range -20°C to +60°C</td>
</tr>
<tr>
<td>Case/Cover</td>
<td>High purity zinc alloy construction</td>
</tr>
<tr>
<td>Backset</td>
<td>23mm standard, 25.4, 30 and 38 mm extended available</td>
</tr>
<tr>
<td>Latch bolts</td>
<td>15mm stainless steel construction</td>
</tr>
<tr>
<td>Door Clearance</td>
<td>3 - 6.5 mm</td>
</tr>
<tr>
<td>Door thickness</td>
<td>Standard applications 32 to 50mm</td>
</tr>
<tr>
<td></td>
<td>Extension kits available</td>
</tr>
<tr>
<td>Cylinder</td>
<td>Standard Lockwood oval shaped cylinders</td>
</tr>
<tr>
<td>Cabling</td>
<td>3.6 metre length of cable with 9 pin socket supplied with each lock</td>
</tr>
<tr>
<td></td>
<td>Recommended cabling: 18AWG (0.82mm2) cable runs up to 30m</td>
</tr>
<tr>
<td>Furniture</td>
<td>Compatible with Lockwood 4800 and 5800 Series Brass door furniture</td>
</tr>
<tr>
<td>Finishes</td>
<td>Satin Chrome (SC) standard</td>
</tr>
</tbody>
</table>
3580 Series Electric Mortice Lock

Limiting Dimensions

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Backset</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>23</td>
</tr>
<tr>
<td>Y</td>
<td>36.4</td>
</tr>
</tbody>
</table>

Specification Statement

The lock should be capable of operation on voltages of 12 or 24Vdc and have a current consumption not more than 250mA (max) @12Vdc and 125mA (max) @24Vdc. Monitored locks must be capable of monitoring the following functions: key override, door position/reed switch and independent hub/ request to exit. All monitoring outputs must have the ability to be wired independently. The lock must be capable of operating Fail Safe or Fail Secure, left or right hand and have field configured hub selection.
## Ordering Procedure

Sample part number 3582ELAM2RSC62 is made up of several sections. Choose your product by selecting an option from each section.

<table>
<thead>
<tr>
<th>Backset</th>
<th>Door Material</th>
<th>Lock Function</th>
<th>Electric Lock</th>
<th>Safety Function</th>
<th>Sub Function</th>
<th>Handing</th>
<th>Finish</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>23 mm</td>
<td>Metal</td>
<td>Vestibule Lock</td>
<td>EL</td>
<td>Fail Safe</td>
<td>A</td>
<td>R</td>
<td>SC</td>
<td>62</td>
</tr>
<tr>
<td>25.4 mm</td>
<td></td>
<td>Combination Lock</td>
<td></td>
<td>Fail Secure</td>
<td>E</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30 mm</td>
<td></td>
<td>Electric Lock</td>
<td>EL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>38 mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Accessories Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP572-3129</td>
<td>LED Assembly to suit 3570/3580</td>
</tr>
<tr>
<td>SP3580-1052</td>
<td>7.5m extended 9 wire cable</td>
</tr>
</tbody>
</table>
Accessories - Rebate Kits

<table>
<thead>
<tr>
<th>Finish</th>
<th>Anti-clockwise</th>
<th>Clockwise</th>
</tr>
</thead>
<tbody>
<tr>
<td>Satin Stainless Steel</td>
<td>5782-RKACWSS</td>
<td>5782-RKCWSS</td>
</tr>
<tr>
<td>Chrome Plate</td>
<td>5782-RKACWCP</td>
<td>5782-RKCWCP</td>
</tr>
<tr>
<td>Polished Brass</td>
<td>5782-RKACWPB</td>
<td>5782-RKCWPB</td>
</tr>
</tbody>
</table>

Rebate kits to suit 13 mm rebated timber doors with a minimum backset of 30 mm include an adaptor to mount the lock and a special strike plate. Handing of the rebate kits is determined by the opening movement of the door on which the lock is fitted.

Accessories - Extended Cylinders

<table>
<thead>
<tr>
<th>“A” Cylinder Projection</th>
<th>Cylinder Length</th>
<th>Recommended Door Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
<td>37</td>
<td>50 to 60</td>
</tr>
<tr>
<td>52</td>
<td>48</td>
<td>60 to 48</td>
</tr>
<tr>
<td>64</td>
<td>60</td>
<td>84 to 108</td>
</tr>
<tr>
<td>80</td>
<td>76</td>
<td>108 to 132</td>
</tr>
<tr>
<td>88</td>
<td>84</td>
<td>132 to 156</td>
</tr>
</tbody>
</table>

Extended cylinders should be considered when door thickness exceeds 50 mm or when the lock is mounted off centre in the door edge. A range of cylinders is available to suit various door thicknesses. Refer to ASSA ABLOY Australia Keying and Restricted Price List for further information.
Electrical Specifications

Circuit Diagram

Note: Diagram depicts fail safe 12V RH opened door, with handle and key in rest state.

### Electrical Specifications

**Pin** | **Colour** | **Function**
---|---|---
1 | Black | Common (0Vdc)
2 | Red | Solenoid (12Vdc or 24Vdc)
3 | Grey | Deadlatch and Door Closed Status (common)
4 | Yellow | Deadlatch and Door Closed Status
5 | Green | LED
6 | Brown | Hub Monitor (common)
7 | Blue | Hub Monitor (RH/LH, NO/NC)
8 | Orange | Key Override Monitor (NO/NC)
9 | Violet | Key Override Monitor (common)
The LC8810 and LC8811 Power Transfer Lead Covers are designed to ensure unbroken transfer of wires between door and frame in electric locking situations.

**Features**
- Provides unbroken connection from controller to lock, for cable up to 8 mm diameter
- Vandal-resistant chrome plated flexible steel
- Completely concealed when the door is closed

**Applications**

**LC8810**
The LC8810 is a shorter unit suitable for hinged doors which open to 90° (maximum of 120°).

**LC8811**
The LC8811 is designed for use on doors which open more than 120°, or have a gap from pin hinge to door frame of more than 20 mm.

**Note:** Not suitable for centrally pivoted doors.

---

**Standards and Compliance**

Successfully fire rated up to 4 hours on fire door assemblies in accordance with AS1905.1.2005 (Part 1: Fire Resistant Doorsets)
Power Transfer Lead Covers

The LC8810 is a shorter unit suitable for hinged doors which open to 90° (maximum of 120°).

The LC8811 is designed for use on doors which open more than 120°, or have a gap from pin hinge to door frame of more than 20 mm.

Note: Not suitable for centrally pivoted doors.

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC8810</td>
<td>323mm Power Transfer Cable</td>
</tr>
<tr>
<td>LC8811</td>
<td>543mm Power Transfer Cable</td>
</tr>
</tbody>
</table>
We take the worry out of protecting what’s valuable to you. Lockwood: no worries®
Lockwood is the leading brand in the Australian locking industry. With an established reputation for high quality products, this iconic brand provides a wide range of locking solutions to residential housing, commercial building and industrial application markets. Lockwood is supported by an extensive distribution and after-sales support network. Our customers include retailers, architects, trade and industrial personnel, locksmiths and security dealers.

ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.

ASSA ABLOY is represented in all major regions, in both mature and emerging markets, with leading positions in Australia, Europe and North America.

The 5 Year Tricare Warranty

Our belief that we manufacture the finest premium products available in today’s market place is backed by the 5 Year Tricare Warranty, ensuring that Lockwood continues to keep Australians safe by delivering security and peace of mind.

The Lockwood 25 Year Mechanical Warranty

Our belief that we manufacture the finest premium products available in today’s market place is backed by the Lockwood 25 Year Mechanical Warranty, ensuring that Lockwood continues to keep Australians safe by delivering security and peace of mind.

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