Harmony Series

Integrated Wiegand Solutions
Access Control Products

Available through Authorized Channel Partners only. Contact your local ASSA ABLOY Door Security Solutions sales consultant for details.
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H1-82274 x LNMV Mortise Lock with the MV Studio Collection lever

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Harmony Series

Typical Application

Wiegand Access Control System
(By Others)

On the Cover

MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer MicroShield®, a silver-based antimicrobial coating designed to inhibit the growth of bacteria. MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

MicroShield® Coating

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield® lasts for the life of the hardware
- MicroShield® coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

Agion has achieved:

Cradle to Cradle Certified™

Agion’s silver antimicrobial has been certified for its material content, recyclability, and manufacturing characteristics. Cradle To Cradle Certified™ products meet established standards for human health, environmental health and recyclability.

Cradle To Cradle Certified™ is a certification mark of MBDC.
Overview

The patented Harmony Series combines a card reader, Door Position Switch (DPS), and Request-to-Exit (REX) signaling in a sleek, pleasing design backed by SARGENT Grade 1 hardware. Harmony is available with 8200 and R8200 Mortise Lock, 10 Line Cylindrical Lock and a variety of 80 Series Exit Devices (Rim, Mortise and Vertical Rod). The Harmony exit devices are available UL Listed for use on fire-rated doors. The Harmony Series offers levers with similar designs and finishes for the three types of locks to create a continuity of design.

The Harmony Products are easily integrated into a Wiegand-compatible access control system. The Harmony Series H1 uses 125 kHz HID® proximity reader technology. The Harmony Series H2 uses 13.56 MHz HID iCLASS® reader technology. All Harmony products offer solenoid (Fail Safe or Fail Secure) operation.

About ASSA ABLOY’s Authorized Channel Partner and Certified Integrator Programs

The SARGENT Harmony Series is part of a stream of new ASSA ABLOY products moving from traditional mechanical locks to being extensions of access control systems in facilities. These exciting new technology-rich products require an increase in knowledge to ensure the correct selection and implementation in various environments.

To aid our customers in this area, ASSA ABLOY has created two programs that provide the necessary training to sell, order, install and service our technology products, including Aperio, Integrated Wiegand, IP-enabled and self-configurable intelligent components:

- The Authorized Channel Partner (ACP) program is open to resellers, who sell ASSA ABLOY’s technology products to certified integrators, and help with product selection based on the application.
- The Certified Integrator (CI) program provides hands-on training for security systems integrators and network administrators. Not only does this training familiarize certified integrator candidates with product features and applications, it also gives them valuable experience installing, commissioning, and troubleshooting the products in a real-world environment. This category extends to End Users that install and manage their own systems as well as third party lock installers.

For more information on the qualifications for becoming an ACP or CI, contact your local ASSA ABLOY Door Security Solutions sales consultant for details.

Sophisticated Access Control Solution

- Consolidates all components into the lock
  - Incorporates card reader, Door Position Switch (DPS) and Request to Exit (REX) signaling
  - Eliminates reader interface modules
- Significantly faster installation time, lower installed cost and reduced disruption
  - Requires only one cable run from the lock to the access control panel
  - Maintains architectural integrity around the door
- Open architecture platform is compatible with all standard access control systems
- Supports HID 125 kHz proximity credentials (H1), including Corporate 1000, to match your card format or HID 13.56 MHz iCLASS credentials (H2)
- Aesthetically complemented by ASSA ABLOY Studio Collection and Coastal Series levers - elegant design with ANSI Grade 1 hardware offering a complete hardware package, including mortise locks, cylindrical locks and rim, surface and concealed vertical rod exit trim

Common Features of Harmony Series Products

- A hard-wired platform for use with existing Wiegand compatible access control systems
- Centralized control of all locks using customer’s existing access control system
- For use on exterior doors with appropriate weather seal gasket
- A multi-colored LED indicates card read activity and can be manually controlled by access control panel
- Audible beep sounds with card read
- UL Listed for fire doors available (12-for exit devices)**
- UL Listed for Fire Doors Certified for Canada**
- Solenoid Controlled with the option of Fail Safe or Fail Secure
- ElectroLynx® connector system
- Monitoring is based on lock type selected

Electrical Specifications

Supplied power must be filtered and regulated

H1 Systems

- Reader draw = 150 mA
- 12VDC solenoid draw = 500 mA
- 24VDC solenoid draw = 250 mA
- 24VDC exit device (with electric latch retraction) = 600 mA during retraction, 250 mA maintained

Note: H1 reader always requires 12VDC

H2 Systems

- Reader draw = 125 mA
- 12VDC solenoid draw = 500 mA
- 24VDC solenoid draw = 250 mA
- 24VDC exit device (with electric latch retraction) = 600 mA during retraction, 250 mA maintained

Note: H2 reader uses 12 or 24VDC

* U.S. Patent D601,001S; D601,002S; D601,003S; D602,762S
* *Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

** Note: HID and iCLASS are registered trademarks of HID Global Corporation.

SARGENT ASSA ABLOY
8200 Series Mortise Locks
Harmony Series

The Harmony Series Mortise Lock product integrates SARGENT’s 8200 and R8200 Series Grade 1 mortise lock into an existing Wiegand compatible access control system. The Harmony Series Mortise lock monitors the deadlatch as well as the latchbolt, producing SARGENT’s “Latched and Secure” monitoring. This technology incorporates the deadlatch and latchbolt position in series, ensuring that the door is closed and the latchbolt is extended.

The Harmony Series mortise product has a clean, crisp design and is available with standard levers, Coastal Series levers and Studio Collection levers with roses or Simpli™ roseless trim in 13 hardware finishes. The use of similar lever designs across product lines provides uniformity within a facility. The mortise lock strength is unsurpassed and is enhanced by the deadbolt functions which meet Detention Impact Level One for additional security.

### Mechanical Features
- Certified ANSI/BHMA Grade 1
- 3/4" stainless steel, anti-friction reversible latch
- 1” hardened stainless steel deadbolt
- Stainless steel non-handed deadlocking latch
- Available with Studio Collection, Coastal Series, and standard lever designs. Simpli™ roseless trim also available when used with an R8200 lockbody.
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Key override requires a #43 cylinder standard
- Handed lockbody, easily field reversible without opening lockbody
- Trim is through-bolted for increased security and durability
- Harmony 8200 Mortise Lock Windstorm Information
- UL Listed per ANSI/SBO-BHMA A250.13
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL6728-R1
- Listed on Florida Building Code Website: FL4351-R1
  (see Page 18 for additional information)
- Listed to UL 294 (Access Control System Units); Directory ALYBP10423
- UL 294 is a U.S. system level certification. For information regarding access control system compliance, please call 800-810-WIRE

### H1 Series Electrical Features
- Supports 125 kHz HID Proximity credentials
- H1: Lock Solenoid 12VDC or 24VDC
- H1: Reader always 12VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

### H2 Series Electrical Features
- Supports 13.56 MHz HID iCLASS credentials
- H2: Lock Solenoid 12VDC or 24VDC
- H2: Reader 12VDC or 24VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

### Harmony Mortise Lock Functions

#### If the lock needs to have:

<table>
<thead>
<tr>
<th>Series</th>
<th>Type*</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>H1 or H2</td>
<td>82</td>
<td>274</td>
</tr>
<tr>
<td>H1 or H2</td>
<td>82</td>
<td>275</td>
</tr>
<tr>
<td>H1 or H2</td>
<td>82</td>
<td>284</td>
</tr>
<tr>
<td>H1 or H2</td>
<td>82</td>
<td>285</td>
</tr>
<tr>
<td>H1 or H2</td>
<td>82</td>
<td>270</td>
</tr>
<tr>
<td>H1 or H2</td>
<td>82</td>
<td>271</td>
</tr>
<tr>
<td>H1 or H2</td>
<td>82</td>
<td>280</td>
</tr>
<tr>
<td>H1 or H2</td>
<td>82</td>
<td>281</td>
</tr>
</tbody>
</table>

*Specify R82 for the R8200 lockbody with Simpli™ roseless trim.

### Harmony Series Mortise Lock Functions

- Trim outside rigid unless unlocked electronically
- Trim inside always retracts latch and/or deadbolt
- Guardbolt deadlocks latch
- Request-to-Exit monitoring
- Door Position monitoring

### Description of Functions:

- Fail Safe: Power off, unlocks outside trim
- Fail Secure: Power off, locks outside trim
- Key Override: Key outside retracts latch and/or deadbolt when trim is unlocked electronically
- Deadbolt projected and retracted by thumbturn or key

### Escutcheons

- Solid cast escutcheon
- Operating temperature -40°F (-40°C) to 135°F (57°C)
- Multi-colored LED indicates valid/invalid entries
- Proximity Reader projection is approximately 3/4" (9.5mm)

### Options

<table>
<thead>
<tr>
<th>Options</th>
<th>Series</th>
<th>Type</th>
<th>Function</th>
<th>Reader/Solenoid**</th>
<th>Roses</th>
<th>Levers</th>
<th>Finish</th>
<th>Hand</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from pages 19-21</td>
<td>Select H1 for 125 kHz prox</td>
<td>Select from Harmony Mortise Lock Function chart above</td>
<td>12V or 24V</td>
<td>Select rose, lever and finish from pages 1-14</td>
<td>R</td>
<td>MX</td>
<td>03</td>
<td>RH</td>
</tr>
</tbody>
</table>

**Specify R82 for the R8200 lockbody with Simpli™ roseless trim.

---

**With H1, the reader is always 12VDC. Please select either 12VDC or 24VDC for the solenoid. For H2, reader and solenoid can be either 12VDC or 24VDC.

---

**To order Harmony locks compatible with the Casi S502 format, please contact Lelen.
10 Line Cylindrical Locks

Harmony Series

The Harmony Series 10 Line Cylindrical Lock offers the ability to seamlessly integrate Grade 1 security into an existing Wiegand compatible access control system. Door monitoring capabilities include a Request-to-Exit sensor which monitors movement of the inside lever and external Door Position Switch (3287).

The Harmony Series 10 Line Cylindrical Lock has a clean, crisp design and is available with many lever styles and eleven hardware finishes. The ability to use similar lever designs across the three product offerings provides uniformity when used throughout a facility.

Mechanical Features
- Certified and exceeds ANSI/BHMA A156.2 Series 4000 - Grade 1
- “Request-to-Exit (REX)” signaling standard
- Solid cast escutcheons
- Operating temperature -40°F (-40°C) to 135°F (57°C)
- A multi-colored LED indicates valid/invalid entries
- Proximity Reader
- Projection is approximately 3/4”

Ordering Harmony Cylindrical Locks****

<table>
<thead>
<tr>
<th>Options</th>
<th>Select from page 19-21</th>
<th>Select H1 for 125 kHz prox</th>
<th>Select from Harmony Cylindrical Lock Function chart above</th>
<th>Reader/Solenoid **</th>
<th>Select rose, lever and finish from pages 11 &amp; 14</th>
</tr>
</thead>
<tbody>
<tr>
<td>Series</td>
<td>28,***</td>
<td>H1</td>
<td>10G270</td>
<td>12V or 24V</td>
<td>RHR, LHR, RH or LH</td>
</tr>
</tbody>
</table>

*H1 and H2 cannot be combined on the same opening

**With H1, the reader is always 12VDC. Please select either 12VDC or 24VDC for the solenoid. For H2, reader and solenoid can be either 12VDC or 24VDC.

***28- Option supplies a 4-7/8” Strike, opposite to the 2-3/4” T strike supplied standard (see page 17 for details)

****To order Harmony locks compatible with the Casi 5502 Format, please contact Lenel.

3287 Door Position Switch (DPS)

- SPDT concealed switch (2 wire)
- Contacts rated .50 Amp @ 12VDC
- Contacts rated .25 Amp @ 24VDC
- Requires 1” diameter hole

Harmony Cylindrical Lock Functions

If the lock needs to have: | Then select:
--- | --- | ---
Key override | Fail Safe | H1 or H2 10G 270
Fail Safe | H1 or H2 10G 271

Harmony Series 10 Line Cylindrical Lock Functions

270 Fail Safe - Power off locks outside trim
271 Fail Secure - Power off locks outside trim

- Key outside always retracts latch
- Lever out side out except when trim is unlocked electronically
- Lever inside always retracts latch
- Guard bolts deadlocks latch
- Request-to-Exit signaling standard
- Door Position Switch (DPS, part #3287) supplied to allow for full monitoring (see DPS features, this page)
- 10 Line Levers and roses are shown on page 8 and 10

Escutcheons
- Solid cast escutcheons
- Operating temperature: -40°F (-40°C) to 135°F (57°C)
- A multi-colored LED indicates valid/invalid entries
- Proximity Reader
- Projection is approximately 3/4”

H1 Series Electrical Features
- Supports 125 kHz HID Proximity credentials
- H1: Lock Solenoid 12VDC or 24VDC
- H1: Reader always 12VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

H2 Series Electrical Features
- Supports 13.56 MHz HID iCLASS credentials
- H2: Lock Solenoid 12VDC or 24VDC
- H2: Reader 12VDC or 24VDC
- Voltage must be specified
- Fail Safe or Fail Secure option
**80 Series Exit Devices**

**Harmony Series**

The Harmony Series Exit Device product selection is SARGENT’s most extensive exit device access control offering including 8800 Rim Exit Devices, 8900 Mortise Exit Devices, 8700 Surface Vertical Rod (SVR) Exit Devices and 8600 Concealed Vertical Rod (CVR) Exit Devices.

**Mechanical Features:**
- Certified ANSI/BHMA A156.3 Grade 1
- Listed to UL 294 (Standard of Safety for Access Control System Units); Directory ALY.BPT0423
- For 1-3/4" (44mm) door standard. Consult factory for other thicknesses
- Always allows free egress
- Trim outside rigid at all times unless unlocked electronically
- Request-to-Exit (REX) Signal Switch activated by pushing rail
- Door Position Switch (DPS, part #3287) supplied to allow for full monitoring (see DPS features, page 3)
- 80 Series Levers are shown on page 10-12
- Listed to UL 294 (Access Control System Units); Directory ALY.BPT0423
- UL 294 is a U.S. system level certification. For information regarding access control system compliance, please call 800-810-WIRE
- Key

**Description of Functions:** (see chart below)
- Fail Safe: Power off, unlocks outside trim / Fail Secure: Power off, locks outside trim
- Key Override Key outside retracts latch when trim is locked electronically

**Concealed Vertical Rod/Surface Vertical Rod Models Features:**
- Key override is available for MD/WD/AD8600 CVR Devices (including NB-106 Series Auxiliary Control
- Key override is available for 8700 SVR Devices with a 306 Series Auxiliary Control
- Key override is NOT available for NB-H1/H2-8700 devices
- The AFF is 41" for Standard Applications; when a 100 or 300 Series Auxiliary Control is used, 38” AFF is recommended to meet local accessibility standards

**H1 Series* Electrical Features**
- Supports 125 kHz HID Proximity credentials
- H1: Lock Solenoid 12VDC or 24VDC
- H1: Reader always 12VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

**H2 Series* Electrical Features**
- Supports 13.56 MHz iCLASS credentials
- H2: Lock Solenoid 12VDC or 24VDC
- H2: Reader 12VDC or 24VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

### Harmony Exit Device Functions

<table>
<thead>
<tr>
<th>Mortise Exit Devices</th>
<th>Rim Exit Devices</th>
<th>SVR Exit Devices</th>
<th>CVR Exit Devices</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Series</strong></td>
<td><strong>Type</strong></td>
<td><strong>Function</strong></td>
<td><strong>Series</strong></td>
</tr>
<tr>
<td>No key override</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fail Safe</td>
<td>H1 or H2</td>
<td>89</td>
<td>73</td>
</tr>
<tr>
<td>Fail Secure</td>
<td>H1 or H2</td>
<td>88</td>
<td>74</td>
</tr>
<tr>
<td>Key override</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fail Safe</td>
<td>H1 or H2</td>
<td>88</td>
<td>75</td>
</tr>
<tr>
<td>Fail Secure</td>
<td>H1 or H2</td>
<td>89</td>
<td>76</td>
</tr>
</tbody>
</table>

**8600 CVR Exit Devices must be ordered as WD for wood doors, AD for aluminum doors, or MD for metal doors.**

**Escutcheons**
- Solid cast escutcheons
- Operating temperature -40°F (-40°C) to 150°F (65°C)
- A multi-colored LED indicates validly made entries
- Proximity Reader Projection is approximately 3/4”

**Outside ET Lever Control**
- Brass escutcheons
- Projection 13/16” (21mm)

**Key Override for H1/H2-8600 & H1/H2-8700**

The 106 Series Auxiliary Control offers key override for MD/WD/AD8600 and NB-MD/WD/AD8600 Series Device. Order example:

H1-MD8674F x 12VDC x ET x 106 x RHR x 32D x 36” x 96”

The 306 Series Auxiliary Control offers key override for 8700 Series Device (not available for NB-87000).

Order example:

H2-8773F x 12VDC x ET x 306 x RHR x 32D x 36” x 84”

**Ordering Harmony Exit Devices***

<table>
<thead>
<tr>
<th>Options</th>
<th>Series</th>
<th>Type</th>
<th>Function</th>
<th>Rail Size</th>
<th>Reader/ Solenoid**</th>
<th>Trim/Lever</th>
<th>Hand</th>
<th>Finish</th>
<th>Door Width</th>
<th>Opening Height</th>
<th>AFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from page 19-21</td>
<td>H1 or H2</td>
<td>Select from Exit Device Function chart above</td>
<td>E: 24-32&quot;; F: 33-36&quot;; G: 37-42&quot;; H: 43-48&quot;</td>
<td>12V or 24V</td>
<td>ET followed by lever designation from pages 11-13</td>
<td>RHR, LHR</td>
<td>Select from page 11</td>
<td>If supplied, rails will be cut to size</td>
<td>Required for Vertical Rod Exit Devices</td>
<td>Center Line of Rail above Finished Floor (41&quot; std)</td>
<td></td>
</tr>
</tbody>
</table>

*H1 and H2 cannot be combined on the same opening.

** The Harmony H1 reader is always 12VDC. Please select either 12VDC or 24VDC for the solenoid. For H2, reader and solenoid can be either 12VDC or 24VDC.

***To order Harmony locks compatible with the Casi 5502 Format, please contact Lenel.
How to specify and order ET Trim without an Exit Device:

Specify either H1 or H2 in the order string
- For 8900 Mortise Exit Devices: H1/H2-773 ET* & H1/H2-774 ET*  
  H1/H2-775 ET* & H1/H2-776 ET*
- For 8800 Rim Exit Devices: H1/H2-773-8 ET* & H1/H2-774-8 ET*  
  H1/H2-775-8 ET* & H1/H2-776-8 ET*
- For 8700 SVR Exit Devices: H1/H2-773 ET* & H1/H2-774 ET*  
  H1/H2-775 ET* & H1/H2-776 ET*  
  For All 8600 CVR Exit Devices: H1/H2-773-4 ET* & H1/H2-774-4 ET*

Specify lever design, finish and voltage

Note: Cylinder Keyed Differently supplied unless otherwise specified

Exit Windstorm Information:
- Harmony 8900 is UL Certification Directory ZHLL.R21744 Windstorm-Rated Assemblies
- Harmony WS8900 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21744 Latching Hardware and listed on Florida Building Code Website: FL4351-R1 (See Page 18 for details)
- Harmony WS8800 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21744 Latching Hardware and listed on Florida Building Code Website: FL4351-R1 (See Page 18 for details)
- Harmony HC8800 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21744 Latching Hardware, UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies and listed on Florida Building Code Website: FL12712.2 (See page 18 for details)
- Harmony HC4-8700 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21744 Latching Hardware, UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies and listed on Florida Building Code Website: FL2998-R2 (See Page 18 for details)

Cylinder Sizes & Types for Harmony Series

Note: All mortise cylinders require a SARGENT standard offset cam (13-0064)

<table>
<thead>
<tr>
<th>H1/H2 Products</th>
<th>1-3/4&quot; Door Thickness</th>
<th>1-3/4&quot; Door Thickness with Weather Shield</th>
</tr>
</thead>
<tbody>
<tr>
<td>H1/H2-8900 Mortise Exit</td>
<td># 46 Mortise (1-3/4&quot;)</td>
<td># 46 Mortise (1-3/4&quot;)</td>
</tr>
<tr>
<td>H1/H2-8800 Rim Exit</td>
<td># 34 Rim</td>
<td># 34 Rim</td>
</tr>
<tr>
<td>H1/H2-8700 w/306 Control SVR Exit</td>
<td># 41 Mortise (1-1/8&quot;)</td>
<td># 41 Mortise (1-1/8&quot;)</td>
</tr>
<tr>
<td>H1/H2-8600 w/106 Control CVR Exit</td>
<td># 41 Mortise (1-1/8&quot;)</td>
<td># 41 Mortise (1-1/8&quot;)</td>
</tr>
</tbody>
</table>
Electric Latch Retraction Option (56-)
Harmony Series Exit Devices

SARGENT's Electric Latch Retraction exit device is the perfect choice for high traffic egress doors that require access control. This non-handed exit device rail is durable and easy to install. It utilizes a latch retraction motor rather than a solenoid, ensuring quiet operation ideal for locations such as conference rooms, theaters and libraries. Once retracted, the door functions in a push/pull manner.

The 56- exit device can be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator. The device can be dogged continuously on fire-rated devices that are tied into the building's fire detection system.

56- Electric Latch Retraction Features

- 5 year warranty
- U.S. Patent No. 7,484,777; Additional patent(s) pending
- Motor driven latch retraction for smooth, precise operation
- Amount of rail retraction is automatically controlled by the 56- circuitry;
  System actively monitors its position and adjusts itself
- UL Listed for Class II Circuitry
- Power Requirements (supplied power must be filtered and regulated):
  H1 Systems:
  Reader: 12VDC (150 mA)
  Exit Device: 24VDC (600 mA during retraction, 250 mA maintained)
  H2 Systems:
  Reader: 12VDC (150 mA) or 24VDC (150 mA)
  Exit Device: 24VDC (600 mA during retraction, 250 mA maintained)

- Minimum Door Widths:
  - Wide Stile Door 28"
  - Narrow Stile Door 28"
- See McKinney's Transfer Device Solutions Catalog for QC Hinge and
cable requirements
- Order as a 56- option
  (e.g., 56-H1-3941 x ETMF x 32D x 36")

Note: HK- and 16- are not available for Fire Rated Doors
Note: The 56- option is not supplied with Manual Dogging
  (Hex Key or Cylinder Dogging) unless specified

Accessories

Required:
- 3520 24VDC 1 AMP Power Supply
- 3521 12VDC 1 AMP Power Supply
- Electric transfer device also required
Optional:
- 881 Monitor Strike
# Electric Latch Retraction Option (56-)

## Harmony Series Exit Devices

### Harmony 56- Exit Device Functions

<table>
<thead>
<tr>
<th>If the trim needs to be:</th>
<th>8900 Mortise Exit Devices</th>
<th>8800 Rim Exit Devices</th>
<th>8700 Surface Vertical Rod Exit Devices</th>
<th>8600 Concealed Vertical Rod Exit Devices</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Function 2</td>
<td>Rail Size</td>
<td>Type</td>
<td>Function 2</td>
</tr>
<tr>
<td>ET Control</td>
<td></td>
<td></td>
<td>Night Latch (Key retracts latch)</td>
<td>89 04</td>
</tr>
<tr>
<td>Night Latch (Key/lever retracts latch)</td>
<td>89 06</td>
<td>See chart below</td>
<td>ET x Lever</td>
<td>88 06</td>
</tr>
<tr>
<td>Dummy ET Trim</td>
<td>(No cylinder override)</td>
<td>89 10</td>
<td>See chart below</td>
<td>ET x Lever</td>
</tr>
<tr>
<td>Entrance</td>
<td>(Key locks/unlocks lever)</td>
<td>89 13</td>
<td>See chart below</td>
<td>ET x Lever</td>
</tr>
<tr>
<td>Auxiliary Control for Cylinder Override with Dummy ET Trim</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

| With:                    |                           |                      | Night Latch (Key retracts latch) | 89 04 | See chart below | FLL, FLW, MAL, PTB, STS | 88 04 | See chart below | TXL, LSW, MSL, PSL, STS, 862, 863 | – | – | – | – | – |
| Dummy Pull               | (No cylinder Override)    | 89 10                | See chart below | FLL, FLW, MAL, PTB, STS | 88 10 | See chart below | TXL, LSW, MSL, PSL, STS, 862, 863 | 87 10 | See chart below | FLL, FLW, MAL, PTB, STS, 862, 863, AD86/ MD86/ WD86 | 10 | See chart below | 862, 863, 864 |
| Auxiliary Control for Cylinder Override with 862 Pull Trim | – | – | – | – | – | – | – | – | 87 10 | See chart below | 306 x Pull (862, 863, 864) | AD86/ MD86/ WD86 | 10 | See chart below | 106 x Pull (862, 863, 864) |

1. 8600 CVR Exit Devices must be ordered as AD for aluminum doors, MD for metal doors, and WD for wood doors.
2. For freewheeling trim, specify 44 in place of 04 function, 46 in place of 06 function, 40 in place of 10 function, and 43 in place of 13 function.

### Ordering Harmony Exit Devices with Electric Latch Retraction

**Options**

<table>
<thead>
<tr>
<th>Series</th>
<th>Type</th>
<th>Functions</th>
<th>Size/Tall</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example</td>
<td>S6-H1</td>
<td>F</td>
<td>FLL, LHR</td>
</tr>
</tbody>
</table>

### Pull Trim Options

**Function Description and Cylinder Information**

<table>
<thead>
<tr>
<th>Sargent Function #</th>
<th>ANSI Function #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Night latch, key retracts latch #4 cylinder for 8900</td>
<td>04/44</td>
</tr>
<tr>
<td>#46 mortise cylinder for 8900 with ET #41 cylinder for 8900 with FLL, FLW, PTB, MAL, STS</td>
<td>04/44</td>
</tr>
<tr>
<td>Key unlocks trim, trim retracts latch/trim relocks when key is removed, #41 cylinder supplied</td>
<td>06/46</td>
</tr>
<tr>
<td>No outside operation (no cylinder), ET Control is used as pull only</td>
<td>10/40</td>
</tr>
<tr>
<td>Key unlocks/locks trim, #41 cylinder supplied</td>
<td>13/43</td>
</tr>
</tbody>
</table>

**Sargent Function Number**

<table>
<thead>
<tr>
<th>S628 x Pull (862, 863, 864)</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
</tr>
<tr>
<td>Night Latch (key retracts latch)</td>
</tr>
<tr>
<td>FLL/FSL, FLW/FSW, MAL/MSL, PTB/PSB, STS</td>
</tr>
</tbody>
</table>

**Pull Only (no O/S operation)**

<table>
<thead>
<tr>
<th>S628 x Pull (862, 863, 864)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
</tr>
<tr>
<td>FLL, FLW, MAL, PTB, STS</td>
</tr>
</tbody>
</table>

1. Available with the following mechanical options: 12, 16, HK, 19, 43, 76, 85, 87, CPC, SG. See page 19 for detailed descriptions. See pages 20 and 21 for cylinder options.

2. To order Harmony locks compatible with the Casi 5502 Format, please contact Lenel.

ASSA ABLOY, the global leader in door opening solutions

1-800-727-5477 • www.sargentlock.com
The 7000 Series multi-point vertical rod provides flexibility, simplicity, strength, and durability by eliminating the need for automatic flushbolts and coordinators while maintaining the aesthetic appeal of Harmony Series Integrated Wiegand locks. It is ideal for a wide variety of applications where exit devices are not required, including conference rooms, commercial office buildings, convention centers, upscale condominiums and residential applications, medical and educational institutions.

7000 Series Vertical Rod locks are available for aluminum, wood and metal doors. Single point top latching can also be specified, eliminating the bottom strike and the additional installation work required with a bottom bolt. The single point device is specified with the NB- option. Rods are retracted by dual mounted controls with a variety of functions available on the outside trim.

### Features
- Designed for aluminum, metal, and wood door applications with 2-1/4" backset
- Concealed rods offer additional security
- Less bottom rod option available, specified as NB-WD7000 and 12-NB-WD7000
  (For single door applications, consult factory)
- NB- provides free access for wheel chairs and carts
- Supports single or double door applications
- UL Fire Listed: 12-WD7000 / 12-NB-WD7000 (12-NB- is for double door applications only)

### Specifications

**Doors:**
- Aluminum: 1-3/4" (44mm) door thickness standard, 1-7/8" minimum stile, 7/8" backset standard for double doors, 1-1/8" backset for single doors
- Metal: 1-3/4" (44mm) door thickness standard, 4-1/2" minimum stile, 2-1/4" backset standard
- Wood: 1-3/4" (44mm) door thickness standard, 4-1/2" minimum stile, 2-1/4" backset standard

**Mounting:**
- Fasteners are supplied for appropriate door type (aluminum, metal, wood) with through-bolts for trim

**Hand:**
- Field reversible, specify RH, LHR, RH or LH

**Top and Bottom Bolts:**
- Stainless steel. Top and bottom bolt travels 7/16" (11mm). Projection adjustable up to 1" (25mm)

**Latching:**
- Top and bottom (7000, 12-7000) or Top only (NB-7000, 12-NB-7000)

**Strikes:**
- 650 Top Strike, 606 Bottom Strike, standard

**Cylinder:**
- #41 Mortise Cylinder

### Trim Options
ER and ES controls are ET controls with back plates.
- Back plates:
  - Mounted between the trim and the door
  - Required for wood doors (WD-)
  - Optional for metal doors
  - May be used to cover existing door preps

### How to specify and order ET Trim without a vertical rod:
Specify either H1 or H2 in the order string
  *Specify lever design, finish and voltage

**Note:** Cylinder Keyed Different is supplied unless otherwise specified

### Key Override/Auxiliary Control
100 Series Auxiliary Control offers key override for Harmony 7000 Series.
- Available functions are 06 & 13
- Supplied with a SARGENT #41 mortise cylinder
To order, add 106 or 113 to the order string after the hand designation.
# 7000 Series Multi-Point Vertical Rods

## Harmony Series

### 7000 Multi-Point Vertical Rods

<table>
<thead>
<tr>
<th>Function</th>
<th>Series Type</th>
<th>Outside Function</th>
<th>Inside Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fail Safe, Night Latch (Key/lever retracts latch)</td>
<td>H1 or H2</td>
<td>70/AD70/WD70*</td>
<td>73 06</td>
</tr>
<tr>
<td>Fail Safe, Entrance (Key locks/unlocks lever)</td>
<td>H1 or H2</td>
<td>70/AD70/WD70*</td>
<td>73 13</td>
</tr>
<tr>
<td>Fail Safe, Passage Only (No cylinder)</td>
<td>H1 or H2</td>
<td>70/AD70/WD70*</td>
<td>73 15</td>
</tr>
<tr>
<td>Fail Secure, Night Latch (Key/lever retracts latch)</td>
<td>H1 or H2</td>
<td>70/AD70/WD70*</td>
<td>74 06</td>
</tr>
<tr>
<td>Fail Secure, Entrance (Key locks/unlocks lever)</td>
<td>H1 or H2</td>
<td>70/AD70/WD70*</td>
<td>74 13</td>
</tr>
<tr>
<td>Fail Secure, Passage Only (No cylinder)</td>
<td>H1 or H2</td>
<td>70/AD70/WD70*</td>
<td>74 15</td>
</tr>
</tbody>
</table>

1. Specify 70 for metal doors, AD70 for aluminum doors, or WD for wood doors.
2. WD7000 Series is only available with ER and ES trim.

## Ordering Harmony 7000 Series Vertical Rod Locks

### Options

<table>
<thead>
<tr>
<th>Series*</th>
<th>Type</th>
<th>Function</th>
<th>Reader/ Solenoid**</th>
<th>Trim/Lever</th>
<th>Aux Control (optional)</th>
<th>Finish</th>
<th>Opening Height</th>
<th>AFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from pages 19-21</td>
<td>H1 or H2</td>
<td>Select from 7000 Series Function Chart above</td>
<td>12V or 24V</td>
<td>RH, LHR, RHR, LH</td>
<td>106 or 113</td>
<td>Select from page 11</td>
<td>Required for Vertical Rod Exit Devices</td>
<td>Center Line of Lever Above Finished Floor (35-7/8” standard)</td>
</tr>
</tbody>
</table>

Example: H2 70 7306 12V ETL RH 106 26D 84” 35-7/8”

---

**H1 and H2 cannot be combined on the same opening.**

**The Harmony H1 reader is always 12VDC. Please select either 12VDC or 24VDC for the solenoid. H2, reader and solenoid can be either 12VDC or 24VDC.**

***To order Harmony locks compatible with the Casi 5502 format, please contact Lenel.***
**Electric Latch Retraction Option (ELR)**

SARGENT’s Electric Latch Retraction (ELR) is the perfect choice for high traffic doors that require access control. This non-handed module is durable and easy to install. It utilizes a latch retraction motor rather than a solenoid, ensuring quiet operation ideal for locations such as conference rooms, theaters and libraries. Once retracted, the door functions in a push/pull manner.

The ELR can be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator. The device can be dogged continuously on fire-rated devices that are tied into the building’s fire detection system.

**Electric Latch Retraction Features**

- 5 year warranty
- Patent pending
- Field serviceable - modular design
- Motor driven latch retraction for smooth, precise operation
- Amount of latch retraction is automatically controlled by the ELR circuitry; System actively monitors its position and adjusts itself
- Digital retraction timer (0-20 seconds; factory setting is 0)
- Standard electric hinge - no special power transfer required
- Can be used for continuous and intermittent use
- UL Listed for Class II Circuitry

**Current draw:**
- H1 Reader: 12VDC (150 mA)
- H2 Reader: 12VDC (150 mA) or 24VDC (150 mA)
- ELR 7000 Series Vertical Rod Lock: 24VDC (700 mA during retraction, 150 mA maintained)
- 12VDC (350 mA during retraction, 250 mA maintained)
- Power Requirements: 24 or 12VDC regulated/filtered power supply (3500 Series)
- Available for 7000 series only
- See McKinney’s Transfer Device Solutions Catalog for QC Hinge and cable requirements

**Optional Accessories**

- 3500 Series Power Supply
- 4370 Keyswitch
- 4291/4292 Keypad
- 3287 Door Status Switch
- 4341 Push Button Switch (momentary)

**7000 Series Multi-Point Vertical Rods with Electric Latch Retraction (ELR)**

<table>
<thead>
<tr>
<th>Function Descriptions</th>
<th>Outside Functions Available</th>
<th>Inside Functions Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>01 Blank escutcheon plate</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>06 Key unlocks trim; retracts latch; trim relocks when key is removed</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>10 No outside operation (no cylinder); pull only</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>13 Classroom key unlocks/locks trim; #41 cylinder supplied</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>15 Passage only (no cylinder)</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>16 Key unlocks/locks trim</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>40 Freewheeling trim; no outside operation</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>43 Freewheeling trim; key unlocks/locks trim</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>46 Freewheeling trim; key unlocks trim; trim retracts latch; trim relocks when key is removed</td>
<td>•</td>
<td>•</td>
</tr>
</tbody>
</table>

**Ordering Harmony 7000 Series Vertical Rod Locks with Electric Latch Retraction (ELR)**

<table>
<thead>
<tr>
<th>Options</th>
<th>ER</th>
<th>Series Type</th>
<th>Outside Function</th>
<th>Inside Function</th>
<th>Reader**</th>
<th>Trim/Lever</th>
<th>Hand</th>
<th>Finish</th>
<th>Opening Height</th>
<th>AFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from pages 19 - 21</td>
<td>Specify ELR option</td>
<td>H1 or H2</td>
<td>70 (metal doors) AD70 (aluminum doors) WD70 (wood doors)</td>
<td>Select from chart above</td>
<td>Select from chart above</td>
<td>12V or 24V</td>
<td>ER/ES/ET followed by lever designation from pages 11 - 13</td>
<td>RHR, LHR, RH, LH</td>
<td>Select from page 11</td>
<td>Required for Vertical Rod Exit Devices</td>
</tr>
<tr>
<td>Example:</td>
<td>ELR</td>
<td>H2</td>
<td>70</td>
<td>6</td>
<td>43</td>
<td>12V</td>
<td>ETL</td>
<td>RH</td>
<td>26D</td>
<td>84”</td>
</tr>
</tbody>
</table>

*H1 and H2 cannot be combined on the same opening.
**The Harmony H1 reader is always 12VDC. For H2, the reader can be either 12VDC or 24VDC.
***To order Harmony locks compatible with the UTC 5502 Format, please contact UTC Fire & Security.
Roseless Trim, Standard & Coastal Series Levers & Finishes
Harmony Series

Harmony Series products are available with the following lever designs to provide uniformity throughout a facility. Lever projection from door surface varies with lock type. Harmony Mortise locks are specified by rose design followed by the lever designation (e.g., TRMZ). Harmony Exit devices are specified by the ET designation followed by the lever designation (e.g., ETMZ).

Note: Exit devices are not available with roses; exits are only available with ET Trim.

Standard and Coastal Levers

<table>
<thead>
<tr>
<th>Standard Levers</th>
<th>Lever</th>
<th>Design</th>
<th>Handed</th>
<th>Mortise</th>
<th>Cyl.</th>
<th>Exit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
<td></td>
<td>Yes</td>
<td>X</td>
<td>X</td>
<td></td>
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<tr>
<td>B</td>
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<td>X</td>
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<td>W</td>
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</table>

<table>
<thead>
<tr>
<th>Coastal Levers</th>
<th>Lever</th>
<th>Design</th>
<th>Handed</th>
<th>Mortise</th>
<th>Cyl.</th>
<th>Exit</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
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<td></td>
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<td>X</td>
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<tr>
<td>Y</td>
<td></td>
<td></td>
<td>Yes</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

Note: H1/H2-8200 Mortise Locks with Standard Levers are available with LN and O roses only (Not available with CO, CR, TO, TR roses and roseless)

** Except C Lever

Simpli™ Roseless Trim

This elegant trim by SARGENT seamlessly unifies the lever and the door. Compatible with most Studio Collection and Coastal Series decorative lever, Simpli™ creates a flawless aesthetic vision on any door opening.

Simpli™ is offered on the Harmony R8200 Series mortise lock, which was specially designed to accept the roseless trim. In addition to the Harmony R8200 Series, Simpli™ is also available with the RDL Series tubular locks and R8200 Series mortise locks.

- Certified to and exceeds ANSI A156.13, Series 1000, Operational Grade 1 and Security Grade 1
- Harmony R8200 Series with Simpli™ trim is available with most 8200 functions
- Simpli™ roseless trim is available with Coastal Series (except C) and Studio Collection lever (except MC, MK, ML, MN, MP, MT & Gramercy lever)
- Selected levers return within ½” of the door face
- Simpli™ roseless trim is not compatible with the Harmony 8200 lockbody; can only be used with R8200 locks
- All standard cylinder options are available
- For UL 294 requirements, please contact your local ASSA ABLOY Door Security Solutions sales representative or call 800-810-WIRE

Finishes

SARGENT offers many different finishes for Harmony products. Please reference the chart below to determine if your product is available in a particular finish.

<table>
<thead>
<tr>
<th>Finishes</th>
<th>ANSI</th>
<th>Mortise</th>
<th>Cyl.</th>
<th>Exit</th>
<th>Vertical Rod</th>
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</thead>
<tbody>
<tr>
<td>03</td>
<td>603</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>04</td>
<td>604</td>
<td>X</td>
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<tr>
<td>09</td>
<td>611</td>
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<td>10</td>
<td>612</td>
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<tr>
<td>108</td>
<td>613</td>
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<tr>
<td>14‡</td>
<td>618</td>
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<td>X</td>
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<td>619</td>
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<tr>
<td>26‡</td>
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<tr>
<td>26D‡</td>
<td>629</td>
<td>X</td>
<td>X</td>
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<tr>
<td>32∞</td>
<td>630</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

‡ ET Trim will be supplied with the requested finish, the Exit Devices will be supplied in 32 or 32D accordingly.
∞ Only available with exit devices, the external trim will be supplied in 26 or 26D accordingly.
*Available with MicroShield™
Studio Collection Levers are available with roses with the 8200 or roseless with the R8200 Series Mortise Locks. With Exit Device, the Studio Collection is available with the ET trim creating uniformity throughout a facility.

### Aventura Series

<table>
<thead>
<tr>
<th>Lever</th>
</tr>
</thead>
<tbody>
<tr>
<td>MB</td>
</tr>
<tr>
<td>ME</td>
</tr>
<tr>
<td>MF</td>
</tr>
<tr>
<td>NF*</td>
</tr>
<tr>
<td>MG</td>
</tr>
<tr>
<td>MI</td>
</tr>
<tr>
<td>NI*</td>
</tr>
<tr>
<td>MW*</td>
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</table>

### Notting Hill Series

<table>
<thead>
<tr>
<th>Lever</th>
</tr>
</thead>
<tbody>
<tr>
<td>MQ</td>
</tr>
<tr>
<td>MT**</td>
</tr>
<tr>
<td>MM</td>
</tr>
<tr>
<td>MY*</td>
</tr>
</tbody>
</table>

### Rialto Series

<table>
<thead>
<tr>
<th>Lever</th>
</tr>
</thead>
<tbody>
<tr>
<td>MO</td>
</tr>
<tr>
<td>MZ</td>
</tr>
</tbody>
</table>

### Centro Levers

<table>
<thead>
<tr>
<th>Lever</th>
</tr>
</thead>
<tbody>
<tr>
<td>MD</td>
</tr>
<tr>
<td>MJ</td>
</tr>
<tr>
<td>MP**</td>
</tr>
<tr>
<td>ND*</td>
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<tr>
<td>NJ*</td>
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</tbody>
</table>

### Gramercy Levers***

<table>
<thead>
<tr>
<th>Lever</th>
</tr>
</thead>
<tbody>
<tr>
<td>RCM**</td>
</tr>
<tr>
<td>RAL**</td>
</tr>
<tr>
<td>REM**</td>
</tr>
<tr>
<td>RAM**</td>
</tr>
<tr>
<td>RAS**</td>
</tr>
<tr>
<td>RAW**</td>
</tr>
<tr>
<td>RAG**</td>
</tr>
<tr>
<td>RGM**</td>
</tr>
</tbody>
</table>

* Lever returns within 1/2” (13mm) of door face.
** Not available with roseless trim.
*** Gramercy levers are customized. Refer to page 12 for ordering information.

Note: H1/H2-8200 Mortise Locks with Studio and Gramercy Levers are available with LN, CR, TR, O, TO & CO roses.
Ordering Gramercy Series Levers

Harmony Series

Gramercy Series Levers

- REM, RGM
- RCM
- RAG, RAL, RAM, RAS, RAW

Gramercy Finish Codes

<table>
<thead>
<tr>
<th>BHMA Finish</th>
<th>SARGENT Finish</th>
<th>Gramercy Code*</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>630</td>
<td>32D</td>
<td>30</td>
<td>Satin Stainless Steel</td>
</tr>
<tr>
<td>629</td>
<td>32</td>
<td>29</td>
<td>Bright Stainless Steel</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>BH</td>
<td>Birch (wood insert)</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>BK</td>
<td>Black (Santoprene® or leather insert)</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>BN</td>
<td>Brown (leather insert)</td>
</tr>
</tbody>
</table>

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions & Available Finishes

<table>
<thead>
<tr>
<th>Lever Designation</th>
<th>Lever Description</th>
<th>Available Finishes (AS ORDERED)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAG</td>
<td>Grooved Insert</td>
<td>29BK, 29BN or 3030</td>
</tr>
<tr>
<td>RAL</td>
<td>Leather Insert</td>
<td>29BK, 29BN or 30BK, 30BN</td>
</tr>
<tr>
<td>RAM</td>
<td>Metallic Insert</td>
<td>2930** only</td>
</tr>
<tr>
<td>RAS</td>
<td>Santoprene Insert</td>
<td>29BK or 30BK</td>
</tr>
<tr>
<td>RAW</td>
<td>Wood Insert</td>
<td>29BH or 30BH</td>
</tr>
<tr>
<td>RCM</td>
<td>Raised Band</td>
<td>2930, 3030 or 2930**</td>
</tr>
<tr>
<td>REM</td>
<td>Plain</td>
<td>29BK or 3030</td>
</tr>
<tr>
<td>RGM</td>
<td>Two Grooves</td>
<td>2929 or 3030</td>
</tr>
</tbody>
</table>

**Two-tone finish - grip of lever is 32D, balance of lever is 32.

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless BHMA finish 629.

How to Order: SE LP10 8200 Series Mortise Locks with Gramercy Levers; available with LN, CR, TR, O, TO & CO roses (not available with roseless)

<table>
<thead>
<tr>
<th>Options</th>
<th>Function</th>
<th>Reader/ Solenoid</th>
<th>Outside Electrical Trim</th>
<th>Reader Color</th>
<th>Credential Modifier</th>
<th>Rose</th>
<th>Lever</th>
<th>Shank Finish*</th>
<th>Insert Finish</th>
<th>Grip Finish</th>
<th>Hand</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-29</td>
<td>12VDC or 24VDC</td>
<td>Select IPS for standard multiCLASS</td>
<td>Select IPS for FIPS 200 compliant multiCLASS</td>
<td>Default is black, specify G for gray</td>
<td>IPS 12 for standard multiCLASS; IPS 13 for 200 bit output, 14 for 75 bit output</td>
<td>Select from page 13</td>
<td>Leather insert</td>
<td>Polished or satin stainless</td>
<td>Black or brown</td>
<td>Polished or satin stainless</td>
<td>RHR, RH, LHR, or LH</td>
</tr>
</tbody>
</table>

How to Order: SE LP10 80 Series Exit Devices with Gramercy Levers and ET trim

<table>
<thead>
<tr>
<th>Options</th>
<th>Type</th>
<th>Functions</th>
<th>Rail Size</th>
<th>Reader/ Solenoid</th>
<th>Outside Electrical Trim</th>
<th>Reader Color</th>
<th>Credential Modifier</th>
<th>Trim</th>
<th>Lever</th>
<th>Shank Finish*</th>
<th>Insert Finish</th>
<th>Grip Finish</th>
<th>Hand</th>
<th>Inside Finish</th>
<th>Door Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-89</td>
<td>73</td>
<td>F</td>
<td>12VDC</td>
<td>Select IPS for FIPS 200 compliant multiCLASS</td>
<td>Default is black, specify G for gray</td>
<td>IPS 12 for standard multiCLASS; IPS 13 for 200 bit output, 14 for 75 bit output</td>
<td>ET Series</td>
<td>Leather insert</td>
<td>Polished or satin stainless</td>
<td>Select from above</td>
<td>Polished or satin stainless</td>
<td>RHR, RH, LHR, or LH</td>
<td>Select from page 10</td>
<td>32D 36&quot;</td>
<td></td>
</tr>
</tbody>
</table>
# Rose Designs and ET Trims
## Harmony Series

### Roses

<table>
<thead>
<tr>
<th>Roses</th>
<th>Design</th>
<th>Diameter</th>
<th>Mortise</th>
<th>Cylindrical</th>
</tr>
</thead>
<tbody>
<tr>
<td>LN</td>
<td></td>
<td>2&quot;</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>CR</td>
<td></td>
<td>2-3/16&quot;</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>TR</td>
<td></td>
<td>2-3/16&quot;</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>O</td>
<td></td>
<td>2-3/4&quot;</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Roses</th>
<th>Design</th>
<th>Diameter</th>
<th>Mortise</th>
<th>Cylindrical</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO</td>
<td></td>
<td>2-3/4&quot;</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>TO</td>
<td></td>
<td>2-3/4&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>L</td>
<td></td>
<td>2-1/2&quot;</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>G</td>
<td></td>
<td>2-1/2&quot;</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

### ET Lever Controls for Exit Devices

The 700 Series ET and Lever Control is the external trim with all Harmony 80 Series exit devices. ET Escutcheons and levers are plated brass. Stainless steel levers are available.

---

**FOR TRAINING PURPOSES ONLY**
**DATED MATERIAL**

---

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Harmony Series
Access Credentials

Below are 125 kHz proximity credentials offered by SARGENT. Other credentials (125 kHz proximity and 13.56 MHz ICLASS, 26-39 bit formats) can be purchased from HID.

125kHz Proximity Credential Features
- 26 & 33 bit Wiegand format available (consult factory for additional formats)
- HID-based proximity cards, fobs or tags
- Allows integration into existing facilities with HID-based technology
- SARGENT standard credentials are 26 Bit Wiegand format, Site Code and Proximity ID assigned by SARGENT
- Custom credentials available with customer assigned Prox ID#'s

<table>
<thead>
<tr>
<th>Product #</th>
<th>Features</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCH-L70 for SARGENT logo on card</td>
<td>SARGENT HID ProxCard® II&lt;br&gt;Site Code and Proximity ID#'s determined and controlled by SARGENT&lt;br&gt;26 Bit Format, HID Coded Wiegand Output 125kHz&lt;br&gt;Dimensions: 2-1/8&quot; x 3-3/8&quot; (54mm x 85.7mm)&lt;br&gt;Thickness: .070&quot; nom. (1.8mm)&lt;br&gt;Cards ordered individually*** (Min. Order is 25 Cards)</td>
<td><img src="image" alt="SARGENT HID ProxCard® II" /></td>
</tr>
<tr>
<td>PCH-B70 for blank white card</td>
<td>ISOProx® II Card&lt;br&gt;Site Code and Proximity ID#'s determined and controlled by SARGENT&lt;br&gt;26 Bit Format, HID Coded Wiegand Output 125kHz&lt;br&gt;Dimensions: 2-1/8&quot; x 3-3/8&quot; (54mm x 85.7mm)&lt;br&gt;Thickness: .033&quot; nom. (0.84mm)&lt;br&gt;Blank Cards can be printed on by others&lt;br&gt;Cards ordered individually*** (Min. Order is 25 Cards)</td>
<td><img src="image" alt="ISOProx® II Card" /></td>
</tr>
<tr>
<td>PCH-L30 for SARGENT logo on card</td>
<td>DuoProx® II Card&lt;br&gt;Multiple Technology Proximity Cards - DuoProx - dual technology - proximity &amp; magnetic stripe&lt;br&gt;DuoProx cards with unique site codes for higher level of security (SARGENT 1000) are available&lt;br&gt;Cards ordered individually*** (Min. Order is 100 Cards)</td>
<td><img src="image" alt="DuoProx® II Card" /></td>
</tr>
<tr>
<td>PCH-B30 for blank white card</td>
<td>Contact Factory for specifications, options and pricing</td>
<td></td>
</tr>
<tr>
<td>Contact Factory for specifications, options and pricing</td>
<td>MicroProx® Tag Transponders&lt;br&gt;The MicroProx Tag is a coin-sized (disk-shaped) transponder that provides the ability to add HID proximity technology to a device. The MicroProx Tag has an adhesive backing which allows it to be secured to any non-metallic object.</td>
<td></td>
</tr>
<tr>
<td>MPT</td>
<td>- Site Code and Proximity ID#'s determined and controlled by SARGENT&lt;br&gt;- MicroProx Tag ordered individually**&lt;br&gt;Minimum order is 25 MicroProx Tag</td>
<td><img src="image" alt="MicroProx® Tag" /></td>
</tr>
<tr>
<td>MPT-C</td>
<td>- Site Code and Proximity ID#'s requested by customer&lt;br&gt;- MicroProx Tag ordered individually***&lt;br&gt;- MicroProx Tag with custom Site Code, consult factory for minimum quantities</td>
<td></td>
</tr>
<tr>
<td>SARGENT ProxKey® III</td>
<td>PF SARGENT ProxKey III&lt;br&gt;Site Code and Proximity ID#'s determined and controlled by SARGENT&lt;br&gt;26 Bit Format, HID Coded Wiegand Output 125kHz&lt;br&gt;1.555&quot; x 1.25&quot; x 0.235&quot; inches max (3.95 cm x 3.18 cm x 0.60 cm)&lt;br&gt;Key ring sold separately (part no. 57-0001-02)&lt;br&gt;SARGENT ProxKey III ordered individually*** (Minimum order is 25 ProxKey III)</td>
<td><img src="image" alt="SARGENT ProxKey® III" /></td>
</tr>
<tr>
<td>PF-C</td>
<td>PF-C Custom ProxKey III&lt;br&gt;Site Code - requested by customer&lt;br&gt;Proximity ID#'s requested by customer&lt;br&gt;26 Bit Format, HID Coded Wiegand Output 125kHz&lt;br&gt;1.555&quot; x 1.25&quot; x 0.235&quot; inches max (3.95 cm x 3.18 cm x 0.60 cm)&lt;br&gt;Key ring sold separately (part no. 57-0001-02)&lt;br&gt;PF-C Custom ProxKey III ordered individually*** (Minimum order is 100 Custom ProxKey III)</td>
<td><img src="image" alt="PF-C Custom ProxKey® III" /></td>
</tr>
</tbody>
</table>
125 kHz Proximity Readers
Harmony Series

SARGENT is proud to offer this line of HID proximity readers for your use with 125 kHz prox-enabled systems. For security managers, dealers, integrators and OEMs, HID proximity cards and readers are recognized as the industry standard for physical access control. Featuring 125 kHz RFID technology, HID prox products are robust, affordable, and seamlessly integrate with all popular access control systems.

<table>
<thead>
<tr>
<th>Product #</th>
<th>Features</th>
<th>Image</th>
</tr>
</thead>
</table>
| 4302      | - 125 kHz mullion-mount prox reader  
- Measures 6” high, 1.7” wide and 1” deep  
- Mounts in junction box (included); 5-16VDC power supply required  
- Available with either pigtail or terminal strip (terminal strip only for Hazardous Location version)  
- Available with Wiegand or Clock-and-Data interface  
- Potted reader suitable for indoor or outdoor use  
- Hazardous Location version is UL 1604, Class I & II, Div. 2 and Class III listed  
- HID Product: MiniProx 5365 | ![Image 4302](image1.png) |
| 4303      | - 125 kHz Low Profile Prox Reader  
- Measures 4.7” long, 3” wide and 0.68” deep  
- Mounts in standard single gang electrical box; 5-16VDC power supply required  
- The size of most standard U.S. switch plates  
- Available with Wiegand or Clock-and-Data interface  
- Potted reader suitable for indoor or outdoor use  
- 18” (45 cm) wire pigtail standard; consult factory for 9’ (2.7 m) pigtail available by special order  
- HID Product: ThinLine 5395 | ![Image 4303](image2.png) |
| 4304      | - 125 kHz New Generation Prox Reader  
- Measures 5” long, 5” wide and 1” deep  
- Mounts in standard single gang electrical box  
- 5-16VDC power supply required  
- Ideal for medium-range applications  
- Available with Wiegand or Clock-and-Data interface  
- Optional glass mount kit available for mounting the reader behind glass  
- Potted reader suitable for indoor or outdoor use  
- Available in black, white, gray or beige  
- 18” (45 cm) wire pigtail standard; consult factory for 9’ (2.7 m) pigtail available by special order  
- HID Product: ProxPro 5345 | ![Image 4304](image3.png) |
| 4305      | - 125 kHz Keypad Prox Reader (keypad configured for 8-bit data bursts)  
- Measures 5” x 5” and 1” deep  
- Mounts in standard single gang electrical box, field adjustable for mounting directly to metal  
- 10VDC 5-16VDC power supply required  
- Ideal for medium-range applications  
- Available with Wiegand, Serial (RS-232/RS-422) or Clock-and-Data interface  
- Sealed for indoor or outdoor use  
- Optional glass mount kit available for mounting the reader behind glass  
- Keypad data and card data can be sent on the same cable, or on a separate cable using 2 of 7 or 3 of 4 matrix  
- HID Product: ProxPro 5355 with keypad | ![Image 4305](image4.png) |
| 4306      | - 125 kHz Long Range Prox Reader  
(up to 24” prox range depending on prox credential used)  
- Measures 11.8” long, 11.8” wide and 1” deep  
- Mounts on non-metallic surfaces; 12 or 24VDC power supply required  
- Long read range distance (up to 8’ with ProxPass)  
- Autotune allows read range to be maintained within 4’ of metal  
- Wiegand, Clock-and-Data, RS-232, RS-422, and RS-485 output modes are configurable  
- Power requirements: 12 or 24 VDC (configurable)  
- Current requirements: 200mA avg / 700 mA peak at 12VDC; 260mA avg / 1.2A peak at 24VDC  
- Dimensions: 12.0” x 12.0” x 1.0” (30.5 x 30.5 x 2.54 cm)  
- HID Product: MaxiProx 5375 | ![Image 4306](image5.png) |
125 kHz & 13.56 MHz iCLASS
Proximity Readers, Gaskets &
Wiegand Test Unit

Harmony Series

Wiegand Proximity Readers

<table>
<thead>
<tr>
<th>Product #</th>
<th>Features</th>
<th>Image</th>
</tr>
</thead>
</table>
| 4307      | 125 kHz Prox Reader  
Measures just 3.135" long, 1.72" wide and 0.66" deep  
Small sized, low cost reader features a beeper and multi-colored LED which can be host and/or locally controlled  
Potted reader suitable for indoor or outdoor use  
18" (45 cm) wire pigtail standard; consult factory for 9' (2.7 m) pigtail available by special order  
HID Product: ProxPoint Plus 6005 | ![Image](image1.png) |
| 4320      | Glass-mount kit for use with 4304 and 4305  
For applications where reader will mount behind glass  
HID Product: 5455AGM00 | ![Image](image2.png) |

How to order: Specify SARGENT Product #: e.g., 4302

Ordering iCLASS® 13.56 MHz Smart Card Readers

<table>
<thead>
<tr>
<th>Catalog No</th>
<th>Description</th>
<th>HID Equivalent</th>
</tr>
</thead>
</table>
| 6100       | Mullion-mount Smart Card Reader – Measures 4" long, 1.9" wide and 90° deep  
Mounts in single gang electrical box; 12VDC power supply required | HID6100 |
| 6120       | Wall-mount Smart Card Reader – Measures 4.8" long, 3.8" wide and 1.0" deep  
Mounts in single gang electrical box; 12VDC power supply required | HID6120 |
| 6130       | Wall-mount with Keypad Smart Card Reader – Measures 4.8" long, 3.3" wide and 1.1" deep  
Mounts in single gang electrical box; 12VDC power supply required | HID6130 |
| 6150       | Wall-mount Smart Card Reader – Long Range – Measures 12" long, 12" wide and 1.25" deep  
Mounts in single gang electrical box; 12VDC power supply required | HID6150 |

Weather Seal Gasketing

- Provides a seal between outside escutcheon and the door and inside escutcheon and the door
- Weather seal gaskets are included for outdoor use (non-fire rated exterior door applications only)

Wiegand Test Unit (WT1)

Developed for SARGENT Harmony Series and Profile Series v.N1 locks, the ASSA ABLOY Wiegand Test Unit verifies your Harmony installation in the field. The test unit checks for proper wiring, card reader data integrity, lock functionality including lock/unlock, door position status, and request-to-exit, or REX, status. In addition, this tool provides product demonstration abilities to highlight the product’s features and capabilities.

Features:
- 12 or 24VDC solenoid lock voltage adjustable
- Operates in Fail Safe or Fail Secure
- “Learn” mode allows testing of specific cards without programming at the panel level
- Card reader data integrity is validated at test unit
- Works with Harmony H1 and H2 Series
Power Supplies and 10 Line Strike Option

Harmony Series

Requirements for Electrical and Data Transfer

To answer the demand for “smart” electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With ElectroLynx, doorway components come pre-wired for easy hookup to the power source. Key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx:
- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect Harmony Series hardware to the electronic access control system, the following items are required:
- Harmony mortise or cylindrical lock, or exit device
- ASSA ABLOY Door Group pre-wired door, or ElectroLynx retrofit cable (order from McKINNEY)
- Electronic transfer hinge or pivot, or electrical power transfer with standard hinge from McKINNEY or SECUROTION
- ElectroLynx cable from the hinge to above the ceiling (order from McKINNEY)

Information regarding cable selection, hinge requirements and order strings can be found in the McKINNEY Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

12VDC & 24VDC Power Supplies:

- UL Class 2 Listed
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED.
- In the event of a DC short, the problem is confined to the zone of difficulty
- Fire alarm interface standard

<table>
<thead>
<tr>
<th>SARGENT MODEL No.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>3521</td>
<td>12V - 1 AMP POWER SUPPLY</td>
</tr>
<tr>
<td>3541</td>
<td>12V - 3 AMP POWER SUPPLY</td>
</tr>
<tr>
<td>3551</td>
<td>12V - 4.5 AMP POWER SUPPLY</td>
</tr>
<tr>
<td>3571</td>
<td>12V - 6 AMP POWER SUPPLY</td>
</tr>
<tr>
<td>737</td>
<td>12V - 5 AMP HOUR BACKUP BATTERY</td>
</tr>
</tbody>
</table>

Information regarding cable selection, hinge requirements and order strings can be found in the McKINNEY Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

SARGENT MODEL No. | DESCRIPTION               |
-------------------|---------------------------|
3520              | 24V - 1 AMP POWER SUPPLY  |
3540              | 24V - 2 AMP POWER SUPPLY  |
3550              | 24V - 4 AMP POWER SUPPLY  |
3570              | 24V - 6 AMP POWER SUPPLY  |
738               | 24V - 5 AMP HOUR BACKUP BATTERY |

H1/H2-10 Line Strikes:

3-3/4” Curved Lip Strike – Standard

4-7/8" Curved Lip Strike: To order specify 28- prefix

FOR TRAINING PURPOSES ONLY
DATED MATERIAL

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## Mechanical Options

**Harmony Series**

To order options listed below, list the alpha or numerical code before the product model number.

### Mechanical Options:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-</td>
<td>Add Strength: Stainless steel hubs for institutional specifications (For 8200 mortise locks only, not available with R8200)</td>
</tr>
<tr>
<td>12-</td>
<td>Fire Rated: UL Fire Label Exit hardware (exit devices only, not available with 16- &amp; HK-)</td>
</tr>
<tr>
<td>14-</td>
<td>Brass Bottom Bolt: Sliding brass bolt bottom case (non-fire rated 8700 devices only)</td>
</tr>
<tr>
<td>16-</td>
<td>Cylinder Dogging: Cylinder lock down (non-fire rated exit devices only)</td>
</tr>
<tr>
<td>17-</td>
<td>LD- Less hex key dogging (non-fire rated exit devices only)</td>
</tr>
<tr>
<td>IDP</td>
<td>Integrated Door Position Switch: Integrated door position switch (8200 mortise locks only) PATENT PENDING</td>
</tr>
<tr>
<td>19-</td>
<td>Less Touch Pad: Pushbar without Lexan touchpad (exit devices only)</td>
</tr>
<tr>
<td>23-</td>
<td>10 Line Backsets: 3-3/4&quot; Backset x 2-1/4&quot; x 1-1/8&quot; front for (10 Line only)</td>
</tr>
<tr>
<td>25-</td>
<td>5&quot; Backset x 2-1/4&quot; x 1-1/8&quot; front for (10 Line only)</td>
</tr>
<tr>
<td>23-</td>
<td>Strike Options: 4-7/8&quot; (124mm) ANSI flat lip strike (for 8900 mortise lock exit device &amp; mortise locks only)</td>
</tr>
<tr>
<td>28-</td>
<td>4-7/8&quot; Strike #808. Lip length 1-1/4&quot; (10 Line only)</td>
</tr>
<tr>
<td>36-</td>
<td>Security Fasteners: 6 Lobe head security screws (Torx® type) (Not available with R8200 mortise locks)</td>
</tr>
<tr>
<td>37-</td>
<td>Spanner head screws (Not available with Studio levers)</td>
</tr>
<tr>
<td>39-</td>
<td>3/4&quot; Latch Throw: 3/4&quot; (19mm) throw latch x 2-3/4&quot; (70mm) backset (10 Line only)</td>
</tr>
<tr>
<td>41-</td>
<td>Flush End Cap: 3/4&quot; flush end cap</td>
</tr>
<tr>
<td>56-</td>
<td>Electric Latch Retraction: Electric Latch Retraction (exit devices only)</td>
</tr>
<tr>
<td>75-</td>
<td>Tactile Warning Options: Tactile Warning - Milled Inside Lever (Not available with exit devices, Studio &amp; Coastal levers and the A lever)</td>
</tr>
<tr>
<td>76-</td>
<td>Tactile Warning - Milled Outside Lever (Not available with Studio &amp; Coastal levers and the A lever)</td>
</tr>
<tr>
<td>77-</td>
<td>Tactile Warning - Milled Inside &amp; Outside Lever (Not available with exit devices, Studio &amp; Coastal levers and the A lever)</td>
</tr>
<tr>
<td>85-</td>
<td>Tactile Warning - Abrasive Coating on Inside Lever (or push rail for exits) (Not available with Studio &amp; Coastal levers)</td>
</tr>
<tr>
<td>86-</td>
<td>Tactile Warning - Abrasive Coating on Outside Lever (Not available with Studio &amp; Coastal levers)</td>
</tr>
<tr>
<td>87-</td>
<td>Tactile Warning - Abrasive Coating on Outside Lever &amp; Inside Lever (or push rail for exits) (Not available with Studio &amp; Coastal Levers)</td>
</tr>
<tr>
<td>CPC-</td>
<td>Finish Protection: Clear Powder Coat (Available for 26, 26D, 32 &amp; 32D finishes)</td>
</tr>
<tr>
<td>SG-</td>
<td>MicroShield antimicrobial clear powder coat (available for 15, 26D, and 32D finishes)</td>
</tr>
<tr>
<td>NB-</td>
<td>Top Rod Only: Less bottom rod &amp; bolt (for MD/WD/AD8600 CVR devices, 8700 SVR devices, and 7000 Series multi-point vertical rod locks only)</td>
</tr>
<tr>
<td>TL-</td>
<td>SARGuide Through-Bolts: SARGuide™ PL – Photoluminescent coated push rail – (Touchpad eliminated) (Not available 75-, 77 &amp; TL-)</td>
</tr>
<tr>
<td>HC-</td>
<td>Windstorm Options: Hurricane Code (rim and surface vertical rod exit devices only, see page 21 for details)</td>
</tr>
<tr>
<td>HC4-</td>
<td>Hurricane Code up to 150 psf (8700 surface vertical rod exit devices only, see page 21 for details)</td>
</tr>
<tr>
<td>WS-</td>
<td>Windstorm Rated (rim &amp; mortise lock exit devices only, see page 21 for details)</td>
</tr>
</tbody>
</table>

### Handing

**Note:** More Cylinder Options on the following page.

- **LH** - Left Hand Door
- **RH** - Right Hand Door
- **LHR** - Left Hand Reverse Door
- **RHR** - Right Hand Reverse Door

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**FOR TRAINING PURPOSES ONLY**

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**DATED MATERIAL**
# Cylinder Options

Harmony Series

To order options listed below, list the alpha or numerical code before the product model number

## Cylinder Options:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DG1</td>
<td>SARGENT Degree Key System Level 1</td>
</tr>
<tr>
<td>DG1-21</td>
<td>Degree Level 1 Construction Master Keying</td>
</tr>
<tr>
<td>DG1-60</td>
<td>Degree Level 1 Removable Disposable Construction Core (not available with cylindrical locks)</td>
</tr>
<tr>
<td>DG1-63</td>
<td>Degree Level 1 Removable Core (not available with cylindrical locks)</td>
</tr>
<tr>
<td>DG1-64</td>
<td>Degree Level 1 Removable Construction Keyed LFIC (not available with cylindrical locks)</td>
</tr>
<tr>
<td>DG1-65</td>
<td>Degree Level 1 Unassembled/Uncombined Core</td>
</tr>
<tr>
<td>DG1-78</td>
<td>Degree Level 1 Exposed Plug (not available with cylindrical locks or exit devices)</td>
</tr>
<tr>
<td>DG2</td>
<td>SARGENT Degree Key System Level 2</td>
</tr>
<tr>
<td>DG2-21</td>
<td>Degree Level 2 Construction Master Keying</td>
</tr>
<tr>
<td>DG2-60</td>
<td>Degree Level 2 Removable Disposable Construction Core (not available with cylindrical locks)</td>
</tr>
<tr>
<td>DG2-63</td>
<td>Degree Level 2 Removable Core (not available with cylindrical locks)</td>
</tr>
<tr>
<td>DG2-64</td>
<td>Degree Level 2 Removable Construction Keyed LFIC (not available with cylindrical locks)</td>
</tr>
<tr>
<td>DG2-65</td>
<td>Degree Level 2 Unassembled/Uncombined Core</td>
</tr>
<tr>
<td>DG2-78</td>
<td>Degree Level 2 Exposed Plug (not available with cylindrical locks or exit devices)</td>
</tr>
<tr>
<td>DG3</td>
<td>SARGENT Degree Key System Level 3</td>
</tr>
<tr>
<td>DG3-21</td>
<td>Degree Level 3 Construction Master Keying</td>
</tr>
<tr>
<td>DG3-60</td>
<td>Degree Level 3 Removable Disposable Construction Core (not available with cylindrical locks)</td>
</tr>
<tr>
<td>DG3-63</td>
<td>Degree Level 3 Removable Core (not available with cylindrical locks)</td>
</tr>
<tr>
<td>DG3-64</td>
<td>Degree Level 3 Removable Construction Keyed LFIC (not available with cylindrical locks)</td>
</tr>
<tr>
<td>DG3-78</td>
<td>Degree Level 3 Exposed Plug (not available with cylindrical locks or exit devices)</td>
</tr>
</tbody>
</table>

## Signature Key System

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>SARGENT Signature Key System (Not available with other Key Systems)</td>
</tr>
<tr>
<td>10-21</td>
<td>SARGENT Signature Construction Key System (Lost Ball)</td>
</tr>
<tr>
<td>10UL</td>
<td>SARGENT Signature UL437 Key System (Not Available with other Key Systems)</td>
</tr>
</tbody>
</table>

## Signature Large Format Interchangeable Core

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-63</td>
<td>SARGENT Signature Large Format Interchangeable Core (Removable Core) Cylinder</td>
</tr>
</tbody>
</table>

## XC- Key System

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>XC Key System (Not available with 10-, 10UL-, 22-)</td>
</tr>
<tr>
<td>11-21</td>
<td>XC- Construction Key System (Lost Ball)</td>
</tr>
</tbody>
</table>

## XC- Large Format Interchangeable Core

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-60</td>
<td>Hardware to accept XC- Permanent LFIC (Removable Core), Disposable Plastic Core- provided</td>
</tr>
<tr>
<td>11-63</td>
<td>Hardware provided with XC- LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)</td>
</tr>
<tr>
<td>11-64</td>
<td>Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered separately)</td>
</tr>
</tbody>
</table>

## XC- Interchangeable Cores

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-70-7P</td>
<td>Hardware to accept XC- SFIC (7-Pin) XC- Permanent Cores, Plastic Disposable Core Provided (10 Line J lever not available)</td>
</tr>
<tr>
<td>11-72-7P</td>
<td>Hardware to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent Core ordered separately (10 Line J lever not available)</td>
</tr>
<tr>
<td>11-73-7P</td>
<td>Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)</td>
</tr>
<tr>
<td>11-65-73-7P</td>
<td>Hardware provided to accept XC- Uncombined 7-Pin SFIC (Permanent) Core (10 Line J lever not available)</td>
</tr>
</tbody>
</table>
To order options listed below, list the alpha or numerical code before the product model number.

Cylinder Options:

<table>
<thead>
<tr>
<th>Construction Key Systems</th>
<th>SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special Cams</td>
<td>Special Cams for mortise cylinders</td>
</tr>
<tr>
<td>Old Style Removable Core</td>
<td>Removable Core Cylinder (Old Style) provided (Existing Systems Only)</td>
</tr>
<tr>
<td>Large Format Interchangeable Core</td>
<td>Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable Plastic Core provided (Permanent Cores ordered separately)</td>
</tr>
<tr>
<td>Interchangeable Cores</td>
<td>Hardware supplied with 6 pin SFIC (includes masterkeying, grand masterkeying) (10 Line J lever not available)</td>
</tr>
<tr>
<td>Keso &amp; Keso F1</td>
<td>Hardware provided with Keyed construction core to accept LFIC (Removable Core) Permanent Core (ordered separately)</td>
</tr>
<tr>
<td>Bump Resistant</td>
<td>Bump Resistant Cylinder (Available with Conventional &amp; Conventional XC Cylinders Only)</td>
</tr>
<tr>
<td>Less Cylinder</td>
<td>Hardware supplied less cylinder</td>
</tr>
<tr>
<td>Accept Schlage Cylinders</td>
<td>Lever to accept Schlage Cylinder-Cylinder is not provided (10 Line only)</td>
</tr>
<tr>
<td>Schlage Keyways</td>
<td>Schlage C keyway cylinder, 0 bitted (Not available with 8900 Series Exit devices)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hardware</th>
<th>Shipping Weight</th>
<th>Pc. Count/Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>H1-/H2-82270/271 with lever</td>
<td>11.2 lbs (5.1 kg)</td>
<td>1/carton</td>
</tr>
<tr>
<td>H1-/H2-82270/271 with lever</td>
<td>10.7 lbs (4.9 kg)</td>
<td>1/carton</td>
</tr>
<tr>
<td>H1-/H2-82270/271 with lever</td>
<td>10.1 lbs (4.6 kg)</td>
<td>1/carton</td>
</tr>
<tr>
<td>H1-/H2-82270/271 with lever</td>
<td>23.0 lbs (10.4 kg)</td>
<td>1/carton</td>
</tr>
<tr>
<td>H1-/H2-82270/271 with lever</td>
<td>21.0 lbs (9.5 kg)</td>
<td>1/carton</td>
</tr>
<tr>
<td>H1-/H2-82270/271 with lever</td>
<td>28.0 lbs (12.7 kg)</td>
<td>1/carton</td>
</tr>
<tr>
<td>H1-/H2-82270/271 with lever</td>
<td>27.0 lbs (12.2 kg)</td>
<td>1/carton</td>
</tr>
</tbody>
</table>
Harmony Series

Windstorm Certifications: UL Listed & Florida Building Codes

Sargent Manufacturing offers a wide variety of products that meet building codes requiring hurricane, windstorm and FEMA certifications. SARGENT products are tested to meet the requirements of the most severe building codes as specified by the Florida Building Code, Miami Dade Code Requirements and in the International Building Code. Listed below are certifications and the standards met by these products.

Harmony 10 Line cylindrical locks are UL Certified and Listed on the Florida Building Code Website as stated:
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- ASTM E1996-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*

Harmony 8200/R8200 Series mortise locks are UL Certified and Listed on the Florida Building Code Website as stated:
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- ASTM E1996-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*

Harmony HC8800 rim exit devices are UL Certified and Listed on the Florida Building Code Website as stated:
- Harmony HC8800 for single and double door applications; 8-0 max opening
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- Testing Application Standard (TAS) 201-1994*

Harmony HC4-8700 surface vertical rod exit devices are UL Certified and Listed on the Florida Building Code Website as stated:
- Harmony HC4-8700 for single and double door applications; up to 150 psf; 8-0" max opening
- UL Listed per ANSI/SDI-BHMA A250.13
- ASTM E330-02
- ASTM E1886-02
- ASTM E1996-02
- Testing Application Standard (TAS) 201-1994*

Harmony WS8300 rim exit devices are UL Certified and Listed on the Florida Building Code Website as stated:
- Harmony WS8300 for Single Hollow Metal 1-1/4" Thick Doors applications; 30" x 70" Max. Door with 6" Min Stile
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- ASTM E1996-2002
- Testing Application Standard (TAS) 201-1994*

Harmony WS8300 mortise lock exit devices are UL Certified and Listed on the Florida Building Code Website as stated:
- Harmony WS8300 available for Single Hollow Metals Doors applications for 1-3/4" Thick door, 30" x 70" Max. Door with 6" Min Stile
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- ASTM E1996-2002
- Testing Application Standard (TAS) 201-1994*

* published in the “Florida Building Code”
* published in the “Florida Building Code”
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Harmony WS8800 rim exit devices are UL Certified and Listed on the Florida Building Code Website as stated:
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- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- ASTM E1996-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL6728-R1
- Listed on Florida Building Code Website: FL4351-R1

Harmony HC4-8700 surface vertical rod exit devices are UL Certified and Listed on the Florida Building Code Website as stated:
- Harmony HC4-8700 for single and double door applications; up to 150 psf; 8-0" max opening
- UL Listed per ANSI/SDI-BHMA A250.13
- ASTM E330-02
- ASTM E1886-02
- ASTM E1996-02
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL12712.2

Harmony HC4-8700 surface vertical rod exit devices are UL Certified and Listed on the Florida Building Code Website as stated:
- Harmony HC4-8700 for single and double door applications; up to 150 psf; 8-0" max opening
- UL Listed per ANSI/SDI-BHMA A250.13
- ASTM E330-02
- ASTM E1886-02
- ASTM E1996-02
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL4351-R1
Architectural Specifications
Harmony Series

Harmony Series 10 Line Series Cylindrical Locks

Integrated Wiegand Access Control Cylindrical Locks
1. Open architecture access control cylindrical locks shall be Harmony 10-Line Series as manufactured by SARGENT Manufacturing Company of New Haven, CT.
2. Provide access control cylindrical lock series, type and functions where specified in hardware groups, with provisions below:
   a. Cylinders: Refer to 2.04 KEYING, keying requirements.
   b. Backsets: 2-3/4”, 3-3/4” and 5”.
   c. Strikes: Provide wrought boxes and strikes with proper lip length to protect trim but not to project more than 1/8” beyond trim, frame or inactive leaf. Where required, provide open back strike and protected to allow practical and secure operation.
3. Access control (H1) products shall be hardwired 12VDC (standard) with the option of 24VDC solenoid locks. (H1 Reader is 12VDC only).
4. Access control (H2) products shall be hardwired 12VDC or 24VDC for both Reader and Solenoid.
5. Locks shall have capability to interface directly with an open architecture, Wiegand platform access control system to facilitate centralized control.
6. Locking and unlocking of the lever handle by solenoid operation contained completely within the body of the cylindrical lock. Provide levers to match mechanical lock lever design.
7. Locks shall have a multi-color LED to indicate card reader activity.
8. Installation requires only one cable run from the lock to the access control panel without requirements for additional proprietary lock panel interface boards or modules.
9. Provide HID 125 kHz proximity reader for (H1) access control products.
10. Provide HID 13.56 MHz iCLASS reader for (H2) access control products.
11. Monitoring capabilities include Request-to-Exit switch which monitors movement of the inside lever and external Door Position Switch.
12. Harmony Series products to include Electrolyte® type connectors with balance of electrical connections, wiring and cabling by others.
13. Access control system platform, including software, by others.

Harmony Series 8200/R8200 Series Mortise Locks

Integrated Wiegand Access Control Mortise Locks
1. Open architecture access control mortise locks shall be Harmony 8200/R8200 Series as manufactured by SARGENT Manufacturing Company of New Haven, CT.
2. Provide access control mortise lock series, type and functions where specified in hardware groups, with provisions below:
   a. Cylinders: Refer to 2.04 KEYING, keying requirements.
   b. Backsets: 2-3/4”.
   c. Strikes: Provide wrought boxes and strikes with proper lip length to protect trim but not to project more than 1/8” beyond trim, frame or inactive leaf. Where required, provide open back strike and protected to allow practical and secure operation.
3. Access control (H1) products shall be hardwired 12VDC (standard) with the option of 24VDC solenoid locks. (H1 Reader is 12VDC only).
4. Access control (H2) products shall be hardwired 12VDC or 24VDC for both Reader and Solenoid.
5. Locks shall have capability to interface directly with an open architecture, Wiegand platform access control system to facilitate centralized control.
6. Locking and unlocking of the lever handle by solenoid operation contained completely within the body of the mortise lock. Provide levers to match mechanical lock lever design.
7. Installation requires only one cable run from the lock to the access control panel without requirements for additional proprietary lock panel interface boards or modules.
8. Locks shall have a multi-color LED to indicate card reader activity.
9. Provide HID 125 kHz proximity reader for (H1) access control products.
10. Provide HID 13.56 MHz iCLASS reader for (H2) access control products.
11. Monitoring capabilities include Latchbolt, Request-to-Exit and Door Position Sensors all within the mortise lockbody.
12. Harmony Series products to include Electrolyte® type connectors with balance of electrical connections, wiring and cabling by others.
13. Access control system platform, including software, by others.

Harmony Series 80 Series Exit Devices

Integrated Wiegand Access Control Exit Devices
1. Open architecture access control exit devices shall be Harmony 80 Series as manufactured by SARGENT Manufacturing Company of New Haven, CT.
2. Provide access control exit device series, type, and functions where specified in hardware groups.
3. All exit devices shall be UL listed for panic hardware and exit devices for labeled doors shall be UL listed as “Fire Exit Hardware”.
4. Access control (H1) products shall be hardwired 12VDC (standard) with the option of 24VDC solenoid Trim. (H1 Reader is 12VDC only).
5. Access control (H2) products shall be hardwired 12VDC or 24VDC for both Reader and Solenoid.
6. Access control exit devices with electric latch retraction (H1-56, H2-56) installed on wood fire doors require (2) power transfer devices from door to frame.
7. Access control exit devices with electric latch retraction shall be hardwired 12VDC for the reader and 24VDC for the exit device (H1-56 devices); or either 12VDC or 24VDC for the reader and 24VDC for the exit device (H2-56 products).
8. Exit devices shall interface directly with an open architecture Wiegand compatible access control system to facilitate centralized control.
9. Installation requires only one cable run from the lock to the access control panel without requirements for additional proprietary lock panel interface boards or modules.
10. Locking and unlocking of the lever handle by solenoid operation contained completely within the body of the outside trim. Provide levers to match mechanical lock lever design.
11. Provide exit devices with integrated latchbolt monitoring, and push rail status for Request-to-Exit (REX) signaling.
12. Locks shall have a multi-color LED to indicate card reader activity.
13. Provide HID 125 kHz proximity reader for (H1) access control products.
14. Provide HID 13.56 MHz iCLASS reader for (H2) access control products.
15. Provide cylinder- dogging feature for nonrated exit devices.
16. Provide keyed removable mullions, as specified in the Hardware groups.
17. Provide exit devices as Less Bottom Rod (NB) where noted in the hardware groups.
18. Provide clear powder coating on exit devices used in full exterior applications, highly corrosive areas, and where noted in the hardware groups.
19. Provide cylinders for exit devices with cylinder override trim and cylinder dogging features.
   a. Cylinders: Refer to 2.04 KEYING, keying requirements.
20. Harmony Series exit device products to include wiring harnesses with balance of electrical connection and wires by others.
21. Access control system platform, including software, by others.
Harmony Series Multi-Point Vertical Rod Locks

Integrated Wiegand Access Control Vertical Rod Locks

1. Open architecture access control multi-point vertical rod locks shall be Harmony 7000 Series as manufactured by SARGENT Manufacturing Company of New Haven, CT.

2. Provide access control multi-point vertical rod lock types and functions as specified in hardware groups.

3. Multi-point vertical rod locks shall be certified to meet or exceed the requirements of ANSI/BHMA A156.3 Grade 1.

4. Multi-point vertical rod locks for fire labeled doors shall be UL listed.

5. Rods shall be retracted in one operation by dual mounted lever controls with a complete range of functions, including electro-mechanical, on the secure side of the door.

6. Access control (H1) products shall be hardwired 12VDC (standard) with the option of 24VDC solenoid trim. (H1 reader is 12VDC only).

7. Access control (H2) products shall be hardwired 12VDC or 24VDC for both reader and solenoid.

8. Multi-point vertical rod locks shall interface directly with an open architecture Wiegand compatible access control system to facilitate centralized control.

9. Locking and unlocking of the lever handle to be by solenoid operation contained completely within the body of the outside trim. Provide levers to match mechanical lock lever design.

10. Provide locks with integrated latchbolt monitoring and inside lever monitoring for request-to-exit (REX) signaling.

11. Locks shall have a multi-color LED to indicate card reader activity.

12. Provide HID 125 kHz proximity reader for (H1) access control products.

13. Provide HID 13.56 MHz iCLASS reader for (H2) access control products.

14. The multi-point vertical rod locks shall also be available as a single latching device with top latching only, eliminating the bottom strike.

15. Harmony Series multi-point vertical rod locks to include Electrolynx® connectors with balance of electrical connections, wiring and cabling by others.

16. Access control system platform, including software, is by others.

17. There are no approved substitutes.