Overview

Schlage’s standalone access control solutions deliver the convenience and efficiency you desire at a fraction of the cost of a networked system. With the Schlage Express™ Offline Access Control Software, system installation, set-up and management are a breeze.

Save even more time and money on installation with AD Series and CO Series electronic locks. Their innovative integrated design combines components typically found around the door, such as the credential reader, request-to-exit switch and door position switch. Therefore there are no wires to run and labor is greatly reduced. An easy-to-use handheld device transfers information from the system to the lock. The handheld device can also be used to retrieve audits from devices.

Need help deciding between the AD Series and CO Series? The AD Series is the ideal solution if you want flexibility. The modular design of the AD Series allows you to upgrade from standalone to networked if your needs change in the future. The AD Series also allows you to upgrade credential readers. The CO Series is preferable if you do not expect your needs to change. CO Series options are factory orderable rather than upgradable like the AD Series.

For applications that require an around-the-door solution, the CT5000 offline single opening controller is available. It is an ideal solution for narrow stile applications because it can support up to two separate Wiegand readers as well as interface with peripheral devices such as automatic operators, electric strikes, and electromagnetic locks. If networked functionality is required in the future, the CT5000 can be upgraded to a WRI400.

System Capabilities

- Schlage Express™
  - Supports up to 2000 users/audits with 50 locks or 1000 users/audits with 100 locks
  - Supports up to 8 time zones and up to 16 holidays
  - Set up to 16 auto unlock schedules per system (up to 8 per lock)

- AD-200
  - Upgradable credential and communication modules
  - Additional details on readers supported and chassis types available on page 3 and 4
  - Classroom/Storeroom, Office, Apartment and Privacy functions
  - UL 294 listed, ANSI/BHMA A156.25 and ANSI/BHMA Grade 1 certified

- CO-200
  - Additional details on readers supported and chassis types available on page 3 and 4
  - Classroom/Storeroom, Office and Privacy functions
  - UL 294 listed, ANSI/BHMA A156.25 and ANSI/BHMA Grade 1 certified

- CT5000
  - Supports up to two Wiegand reader inputs
  - Has three form C relay outputs for strike, auxiliary and alarm
  - Can be upgraded to WRI400 if networked capability is required in the future
  - UL 294 listed
Schlage Express™

Software running on computer

Version 4.0 or higher

System diagram

Handheld Programming Device
Used to configure locks and transfer audits from locks to the software.

Schlage Express™ Software running on computer

Interior facility doors
AD-200, CO-200: Integrated offline locks store time zones access rights and audits.

Handheld Programming Device

Used to configure locks and transfer audits from locks to the software.

CT5000 Offline controller

PS902 Power supply

Automatic operator

Handheld Programming Device

Used to configure locks and transfer audits from locks to the software.

CT5000 Offline controller

PS902 Power supply

Automatic operator

Example shown is a typical standalone access control opening with an automatic operator.

Credentials

VT5000

Off-line controller

Interior facility doors
AD-200, CO-200: Integrated offline locks store time zones access rights and audits.

Handheld Programming Device

Used to configure locks and transfer audits from locks to the software.

CT5000 Offline controller

PS902 Power supply

Automatic operator

Handheld Programming Device

Used to configure locks and transfer audits from locks to the software.

CT5000 Offline controller

PS902 Power supply

Automatic operator

Example shown is a typical standalone access control opening with an automatic operator.

Benefits

- Cost-effective, simple means of controlling access within your facility.
- New users or access points can be entered into the system in seconds.
- Comprehensive reporting on audit trails retrieved, access attempts, etc.

Complete Your System

- The Schlage Utility Software (SUS) on the Handheld Programming Device (HHD) provides an easy way to retrieve audits and transfer information between your access control software and electronic locks.
- The combo proximity keyfobs with iButton® option is available which allows you to manage proximity and iButton® technologies in the same facility.
- Schlage offers many contactless, keypad and magnetic stripe readers that are compatible with the CT5000.
- We offer a complete portfolio of credentials including smart, proximity and magnetic stripe. Multi-technology credentials are also available.

Note:
Complete specifications are detailed on individual data sheets which can be found on www.schlage.com/support.
### System capabilities:

#### System capacity

<table>
<thead>
<tr>
<th></th>
<th>Offline controller</th>
<th>Integrated standalone electronic locks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CT5000</td>
<td>CO-200</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AD-200</td>
</tr>
<tr>
<td><strong>Number of doors</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CT5000</td>
<td>50</td>
<td>100</td>
</tr>
<tr>
<td><strong>Number of users/audits</strong></td>
<td>2000</td>
<td>1000</td>
</tr>
<tr>
<td></td>
<td>50</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>50</td>
<td>100</td>
</tr>
<tr>
<td><strong>Holidays</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td><strong>1st person in</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Time zones</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>8</td>
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</tr>
</tbody>
</table>

#### Readers - see supported card formats below

<table>
<thead>
<tr>
<th></th>
<th>CT5000</th>
<th>CO-200</th>
<th>AD-200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keypad only</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Magnetic stripe card</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>125 kHz prox card</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>13.56 MHz smart card</td>
<td>Yes¹</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Multi-technology - 125 kHz proximity and 13.56 MHz smart card</td>
<td>Yes¹</td>
<td>No</td>
<td>Yes³</td>
</tr>
<tr>
<td>PIV &amp; PIV-I card compatible</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Card + PIN</td>
<td>Yes (3-6 digit PIN)</td>
<td>Yes (3-6 digit PIN)</td>
<td>Yes (3-6 digit PIN)</td>
</tr>
</tbody>
</table>

#### Status monitors

<table>
<thead>
<tr>
<th></th>
<th>CT5000</th>
<th>CO-200</th>
<th>AD-200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Request to exit</td>
<td>Yes - Locally</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Door position</td>
<td>Yes - Locally</td>
<td>Yes</td>
<td>Yes⁴</td>
</tr>
<tr>
<td>Mechanical key override (ATK)</td>
<td>No</td>
<td>Yes - software</td>
<td>Yes - software</td>
</tr>
<tr>
<td>Battery status (normal, low, critical)</td>
<td>N/A</td>
<td>Yes - SUS</td>
<td>Yes - SUS</td>
</tr>
<tr>
<td>Battery voltage level</td>
<td>N/A</td>
<td>Yes - SUS</td>
<td>Yes - SUS</td>
</tr>
<tr>
<td>Remote release</td>
<td>Yes - Locally</td>
<td>No</td>
<td>No</td>
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</table>

#### Lock functions

<table>
<thead>
<tr>
<th></th>
<th>CT5000</th>
<th>CO-200</th>
<th>AD-200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classroom/storeroom</td>
<td>N/A</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Office/toggle</td>
<td>N/A</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Privacy</td>
<td>N/A</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Apartment</td>
<td>N/A</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

#### Credential attributes

<table>
<thead>
<tr>
<th></th>
<th>CT5000</th>
<th>CO-200</th>
<th>AD-200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal credential</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Toggle credential</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Pass through credential</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Visitor/one time use credential</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Freeze credential</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Legend

- **Yes-Locally**: This capability is available locally at the controller
- **Yes-Software**: This capability is monitored and reported in the Schlage Express software audit
- **Yes-SUS**: This capability is monitored by the SUS

### Supported credential formats

**Proximity card (125 kHz):**
- AWID®
- GE/CASI®
- HID®
- Schlage®
- XceedID®

**Smart card (13.56 MHz):**
- Schlage® MIFARE Classic®
- Schlage MIFARE Plus®
- Schlage MIFARE® DESFire® EV1
- aptiQ™ MIFARE Classic
- aptiQ MIFARE DESFire® EV1
- PIV and PIV-I compatible 1

**Smart card (13.56 MHz) - reads card serial number only:**
- HID iCLASS®
- DESFire®
- MIFARE®
- MIFARE DESFire® EV1

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1. Features such as the expanded number of users and audits are only available in the updated Schlage Express™ v4.0. Previous versions did not include AD Series and CO Series lock type labels.
2. CT5000 is an offline single opening controller that can support up to two separate Wiegand reader inputs; grid references system capacity of access control software—this may be limited by choice of reader.
3. Additional card formats may be supported. Verify compatibility by using the CRP-2 enrollment reader or by calling technical support for verification
4. Yes for AD-200 and CO-200 in 40 Privacy or 60 Apartment function.

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For additional information contact Allegion: 877.671.7011 or www.allegion.com/us
About Allegion

Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a $2 billion company, with products sold in almost 130 countries. For more, visit www.allegion.com.

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Available
AD-200
readers

Multi-technology
• Proximity
• Smart card
• KEYPAD

Multi-technology
• Proximity
• Smart card
• KEYPAD

Magnetic stripe
(insertion)
• KEYPAD

Magnetic stripe
(insertion)
• KEYPAD

Magnetic stripe
(swipe)
• KEYPAD

Magnetic stripe
(swipe)
• KEYPAD

Keypad

Available
CO-200
readers

Keypad

Proximity

Proximity

Magnetic stripe
(swipe)

Magnetic stripe
(swipe)

Magnetic stripe
(swipe)

Magnetic stripe
(swipe)

Finishes

Warm tone finishes

Cool tone finishes

Sparta

Rhodes

605 Bright brass

606 Satin brass

612 Satin bronze

643e Aged bronze

619 Satin nickel

625 Bright chrome

626 Satin chrome

626AM Satin chrome with antimicrobial

For additional information contact Allegion: 877.671.7011 or www.allegion.com/us

Compatibility

See lever and cylinder compatibility data sheet (010432).

Lever styles

Standard cylinders shown, SPIC and FSIC also available.

Sparta

Rhodes

Athens

Tubular

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