



ASSA ABLOY Factory Training Adams Rite | HES | Securitron Course Offerings

The global leader in
door opening solutions

ASSA ABLOY

ASSA ABLOY is proud to offer the following educational courses covering Adams Rite®, HES® and Securitron® product lines. These courses will educate the attendee on various levels of product and technical knowledge, selling techniques, site survey, and system design and product installation.

Basic Low Voltage Electricity for Installers – New and Improved

Course length: 4 hours

Class size limit: 20 students

Credits offered: ALOA #AATP-AA007, ESA #13-3838.4 credits, NJCEU

Attendees: Locksmiths, Installers, Access Control Technicians

Content balance: 40% instructional - 60% hands-on learning

Course Description:

This entry level course is designed to educate the participants in the basic electronic knowledge needed to wire an electronic locking system. The class includes a balance of instructional and hands-on exercises. The following subjects are covered:

- Key figures in electricity
- Voltage, current and resistance
- AC & DC electricity
- Switches and relays
- Normally open – normally closed circuits
- Fail Safe/Fail Secure lock wiring
- Hands-on basic system wiring and operation
- Series versus parallel wiring
- Use of multi-meters – how to test
- Multi-meter circuit
- Testing for volts & amps
- Electronic components

Note: This class requires a classroom style configuration for table-top hands-on work space for all participants. Access to multiple electronic outlets is required. Extension cords to be provided by trainer.

Advanced Electronic System Wiring and Basic Troubleshooting

Course length: 4 hours

Class size limit: 20 students

Credits offered: ALOA #AATP-AA007, ESA #13-3837 NJCEU

Attendees: Locksmiths, Installers, Access Control Technicians

Content balance: 40% instructional - 60% hands-on learning

Prerequisites: Basic Low Voltage Electricity for Installers

Course Description:

This course is designed for participants with previous basic electronic knowledge and use of a multimeter. Covered in this course are advanced access control and system wiring techniques, installation and product troubleshooting. The class includes instructional and hands-on exercises covering the following subjects:

- Fire alarm interface
- Fail safe lock system wiring
- Fail secure lock system wiring
- Basic system trouble shooting - using multi-meter
- Wiring troubleshooting - what you should test
- Basic access control systems troubleshooting

Note: This class requires a classroom style configuration for table-top hands-on work space for all participants. Access to multiple electronic outlets is required. Extension cords to be provided by trainer.



Level 3 - Electronic Circuits, Wiring Diagrams and System Design

Course length: 4 hours

Class size limit: 20 students

Credits offered: To be Submitted – ALOA, ESA, NJCEU

Attendees: Locksmiths, Installers, Access Control Technicians

Content balance: 40% instructional - 60% hands-on learning

Prerequisites Recommended: Basic Low Voltage Electricity, Advanced Wiring and Troubleshooting. Or a minimum of 3 years of low voltage experience in the field.

Course Description:

This course is designed for participants who have previous basic and advanced wiring electronic knowledge and use of a multi-meter. Topics to be covered in this course are: basic understanding of the power supply and setting up the electric circuit using a load calculator, creating an Operations Narrative in conjunction with a wiring diagram, setting up advanced wired systems and product troubleshooting. The class also covers:

- Creating wiring diagram
- Review of voltage, amperage and resistance with a multi-meter
- Series vs. parallel wiring
- DK-26 and AQD6 Power Supply
- Magnetic locks and electric strike setup and wiring
- Team layout and wire an operational man-trap

Note: This class requires a classroom style configuration for table-top hands-on work space for all participants. Access to multiple electronic outlets is required. Extension cords to be provided by trainer.



Site Survey

Course length: 2 hours – time may vary

Class size limit: Unlimited

Credits offered: ALOA #AATP-AA008, NJCEU, ESA #14-3902 .2 credits

Attendees: Locksmiths, Installers, Access Control Technicians, Sales Technicians

Content balance: 100% instructional – Site Survey and Maglocks Accessory Tools Provided

Course Description:

This course covers the proper method of conducting a site survey to determine the best ASSA ABLOY products for the opening while ensuring to meet the customer's needs. Includes power supply, locks, entry device and exit device selection. With instructional and hands-on exercises covering the following subjects:

- Codes & AHJ
- Fire-rated doors
- Purpose of electric locking system
- Walk through techniques
- Types of electric locking systems
- Electronic locking system component selection
- Brackets and accessories
- System layout and hardware schedule forms
- Common errors, tips and techniques

Visit the training page on our company websites to find a list of instructor led classes scheduled in your area:

Adamsrite.com

Hesinnovations.com

Securitron.com

Access Control Hardware Selection

Course length: 2 hours

Class size limit: Unlimited

Credits offered: ESA 12-3433 .2 credits

Attendees: Integrators, Engineers and Architects, Locksmiths, Installers, Access Control Technicians, Counter and Sales Technicians

Content balance: 100% instructional

Course Description:

The world of security and physical security devices are now being required to seamlessly work together more than ever. Are you ready to deliver a total security solution for your customers? Join this training session to learn about the next generation of door hardware solutions from Adams Rite, HES and Securitron. See how their access control hardware products are revolutionizing the industry. Review how to secure all types of openings and provide customers with a total locking solution.

Access control for the Small Business – Wireless Applications

Course length: 2-4 hours

Class size limit: 20 students

Credits offered: Pending

Attendees: Locksmiths, Installers, Access Control Technicians

Content balance: 50% instructional - 50% hands-on learning

Prerequisites: Basic Low Voltage Electricity for Installers

Course Description:

The Securitron DKC is a cost effective standalone access control system for two door applications. The DKC is compatible with Weigand and Aperio® technology. This course will show you how easy it is to add door users

simply by basic information input via the digital keypad or easy to upload programming tool.

- DKC applications
- Setup and programming of DKC systems
- R100-Wireless Reader
- Maglocks, electric strikes and integrated strike wiring
- DK-37 Digital Keypad
- Troubleshooting exercises

Note: This class requires a classroom style configuration for table-top hands-on work space for all participants. Access to multiple electronic outlets is required. Extension cords to be provided by trainer.

Aperio® Product and Applications

Course length: 1-2 hours

Class size limit: 30 students

Credits offered: Pending

Attendees: Locksmiths, Installers, Access Control technicians

Content balance: 100% instructional

Prerequisites: Basic Low Voltage Electricity for Installers

Course Description:

Welcome to the world of Aperio® technology! This course will cover the basics of what Aperio is as a technology. The applications and solutions best suited for Aperio and the ASSA ABLOY products that integrate Aperio technology. Get ready to expand your solutions!

- What is Aperio?
- How Does Aperio Technology work?
- Where can I use Aperio Technology?
- What ASSA ABLOY Products are integrated with Aperio?
- Hands on application with Aperio products

Access Control for the Small Openings - Cabinets & Racks

Course length: 2-4 hours

Class size limit: 20 students

Credits offered: Pending

Attendees: Locksmiths, Installers, Access Control technicians

Content balance: 50% instructional - 50% hands-on learning

Prerequisites: Basic Low Voltage Electricity for Installers

Course Description:

Access control is more than just door openings. Openings such as cabinets, drawers, desks, and lockers have a need to control access to those assets. ASSA ABLOY has addressed those solutions with the KS100 and K100 locks.

- DKC and applications
- Setup of DKC systems
- KS100 Server Cabinet Lock
- K100 Cabinet Lock
- Troubleshooting exercises

Note: This class requires a classroom style configuration for table-top hands-on work space for all participants. Access to multiple electronic outlets is required. Extension cords to be provided by trainer.



Electric Strike Installation

Course length: 3-4 hours

Class size limit: 15 students

Credits offered: ALOA #AATP-AA011, NJCEU, ESA #13-3839.2 credits

Attendees: Locksmiths, Installers, Access Control Technicians

Content balance: 40% instructional - 60% hands-on learning

Course Description:

Students will be shown the easiest techniques for cutting and installing an electric strike into a hollow metal door frame. Cutting tool selection and use of the HES metal template kit is demonstrated. Students will be allowed to individually measure and cut in a strike. With instructional and hands-on exercises covering the following subjects:

- Codes and standards
- Fire-rated verses non-fire rated openings
- Electric strike application and selection
- Frame and door types
- Fail safe to fail secure conversion of HES strikes
- 12 to 24 volt electric strike conversion
- Solenoid testing and troubleshooting
- Installation techniques
- Safety
- Hands on installation of electric strikes

Note: This class requires a work area that is subject to loud noise from the cutting tools, including smoke, burning metal fumes and sparks. Adequate ventilation is necessary and damage to work tables is possible. Work tables provided for training must have squared corners. Access to electronic outlets is required.

HES Electric Strike and Product Applications

Course length: 2 hours

Class size limit: Unlimited

Credits offered: ALOA #AATP-AA010, NJCEU, ESA 14-4022 .2 credits

Attendees: Integrators, Engineers and Architects, Locksmiths, Installers, Access Control Technicians,

Content balance: 100% instructional

Course Description:

This course covers the application of HES electrified locking products. Participants will cover application and features of the entire line of HES electric strikes, including Folger Adam and cabinet locking solutions.

Our trainers are here to support you. Contact our team today to discuss course availability, register for a class or set one up for your team: training.request@assaabloy.com



Adams Rite Storefront Products Mechanical to Electronic Upgrade

Course length: 4 hours

Class size limit: 16 students – 4 students per station

Credits offered: ALOA #AATP-AA005m
NJCEU ESA #14-4024 .2 credits

Attendees: Locksmiths, Installers, Glazers, Access Control Technicians, Sales Technicians

Content balance: 40% instructional - 60% hands-on learning

Course Description:

This course covers the selection and upgrade of Adams Rite mechanical products to the Adams Rite electrified locking products. Participants will cover the variety of locking solutions for aluminum doors, along with hands on conversion of mechanical to electrified locking and exit hardware. With instructional and hands-on exercises covering the following subjects:

- The Adams Rite MS door prep
- What fits into the Adams Rite MS prep
- Cams, deadbolts and deadlatches
- 8000 Series Exit Devices
- Adams Rite electric strikes
- 4300EL Steel Hawk Electrified Deadlatch
- 1850 deadbolt installation
- 4900 Deadlatch & 4591 Paddle installation
- 4300 eLatch & 4591 installation
- Hands-on installation 4300, 3080, 2190, eForce

Note: This class requires a classroom style configuration for table-top hands-on work space for all participants. Access to multiple electronic outlets is required. Extension cords to be provided by trainer.



Adams Rite Storefront Product Applications

Course length: 2 hours

Class size limit: 30 students

Credits offered: ESA #14-3901 NJCEU

Attendees: Integrators, Engineers and Architects, Locksmiths, Installers, Access Control technicians, Counter and Sales Technicians

Content balance: 100% instructional

Course Description:

This course covers the application of Adams Rite mechanical and electrified locking products. Participants will cover the variety of locking solutions for aluminum doors, including mechanical deadbolts, deadlatches and panic exit devices along with electrified hardware products.

Note: This class requires a classroom style configuration for table-top hands-on work space for all participants.

Magnetic Lock System Installation

Course length: 4 hours

Class size limit: 16 students – 4 students per station

Credits offered: ALOA #AATP-AA008
NJCEU ESA #11-3221 .4 credits

Attendees: Locksmiths, Installers, Access Control Technicians, Sales Technicians

Content balance: 40% instructional - 60% hands-on learning

Prerequisites: Basic Low Voltage Electricity for Installers

Course Description:

This course offers a hands-on installation of several of the most common magnetic locking systems, including surface and concealed magnetic locks, touch sense devices, digital keypads, motion sensors and emergency exit buttons. With instructional and hands-on exercises covering the following subjects:

- Purpose of electronic locking system
- Basic code requirements
- Maglock – types and applications
- Walk through techniques – frame identification
- Magnetic locking system component selection
- Brackets and accessories
- System layout and hardware schedule forms
- Common errors, tips and techniques
- Hands-On-Install, programming & testing

Note: This class requires a classroom style configuration for table-top hands-on work space for all participants. Access to multiple electronic outlets is required. Extension cords to be provided by trainer.

Securitron State of the Art Smart Product Applications

Course length: 4 hours

Class size limit: 30 students

Credits offered: ALOA #AATP-AA012, NJCEU, ESA# 14-4023 .4 credits

Attendees: Integrators, Engineers and Architects, Locksmiths, Installers, Access Control Technicians, Counter and Sales Technicians

Content balance: 100% instructional

Course Description:

This course covers the application of Securitron electrified locking products and accessories. Participants will cover application and features of the entire line of Securitron magnetic locks, touch sense devices, digital keypads, power supplies, delayed egress systems and more.

Maglocks: The Good, The Bad and The Ugly

Course Length: 2 hours

Class size limit: Unlimited

Credits offered: ESA 14-4162, NJCEU

Attendees: Locksmith, Integrators, Distributors, AHJ's Personnel

Content Balance: 100% instructional

Course Description:

This course will address some of the folklore, misconceptions and history of Maglocks. It will display some of the reasons why agencies presented concerns about Maglocks and why the reasons are no longer valid if ever were true. Additionally this course will site why there was confusion in codes and compliance as well as how to take action to dispel those myths. The following topics will be covered:

- Who is ASSA ABLOY
- Changes in industry technology
- How did it happen?
- The Ugly
- The Codes and Requirements

- Combating the Ugly
- The Good (Maglocks)
- Magnetic lock terms, application and products
- Releasing the door
- Tools and support
- Summary and questions

It's What's on the Outside that Counts – Solar Applications

Course length: 2 hours

Class Size: Unlimited

Credits Offered: ESA 14-4109, NJCEU

Attendees: Locksmiths, Integrators, Distributors

Content balance: 100% instructional

You already use HES and Securitron products to secure and control interior and perimeter openings, but are you thinking outside the box? Improve security and grow your business with a wide range of outdoor access control solutions. This course will cover a variety of products and applications from gate locks, to solar power, wireless outdoor readers,

strikes, keypads and more. Join us to learn what locking products will withstand the weather, ways to secure a perimeter and how to get power to remote locations.

Course Description:

Create new business with solutions to secure exterior applications: gate locks, wireless outdoor readers, strikes, keypads and more. Learn what products withstand weather and how to power to remote locations. The following subjects are covered:

- Who is ASSA ABLOY?
- Adding access control in outdoor environments presents challenges
- Products to meet your need
- Applications
- Boxed Solar Power Supply
- Solar considerations and applications
- What's in the box?
- Environmental Consideration
- SecuriCare Warranty
- Electric Strikes
- Electromagnetic Locks
- Questions and Answers



ASSA ABLOY

To learn more about the training classes offered,
please contact: training.request@assaabloy.com.

Russ Anderson
[480.721.1683](tel:480.721.1683) (cell)

Rodger Schmidt
[480.815.8242](tel:480.815.8242) (cell)

ADAMS RITE | HES | SECURITRON

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

Copyright © 2016, ASSA ABLOY Inc., an ASSA ABLOY Group company.
All rights reserved. Reproduction in whole or in part without the
express written permission of ASSA ABLOY Inc. is prohibited.

EMS-003-0616