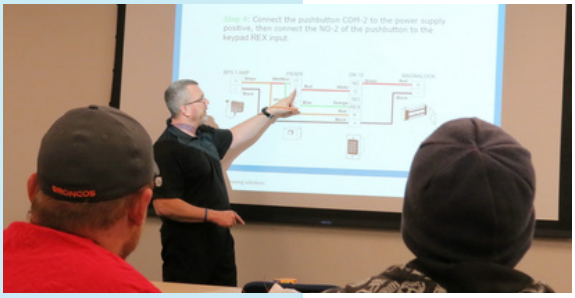
ASSA ABLOY
Opening Solutions

Experience a safer
and more open world

TRAINING
Course Catalog

Adams Rite · ALARM CONTROLS · h.e.s. · LifeSafety Power® · SECURITRON



Learning your way

Our brands - HES, Securitron, Adams Rite, Alarm Controls, and LifeSafety Power - provide a number of training opportunities on a variety of physical access control and door hardware topics.

Our expert training team offers a variety of both instructor-led and online courses that cover the most important topics for all industry professionals – including installers, locksmiths, system integrators, facility & maintenance professionals, and distributors – with curated content for all experience levels.

Our training team will help you expand your knowledge of various door hardware applications and the total door opening solution to enable a higher level of technical expertise and skill on your projects.

Training that works for you

ASSA ABLOY offers a wide range of courses delivered several different ways. Choose the option that works best for your schedule and your learning style:

- Instructor-led training (ILT)
- Virtual instructor-led training (VILT)
- eLearning courses
- On-demand (recorded webinars)

CONTINUING EDUCATION UNITS (CEUs)

In addition to the ASSA ABLOY Credit Hours issued for completed instructor-led training and online training courses, ASSA ABLOY has also partnered with the following industry associations to provide Continuing Education Units (CEUs) required for state licensing and other purposes.

AIA

As a service to its members and to enhance its Continuing Education Program (CEP), AIA offers Continuing Education Points (CEPs) to students taking instructor-led training and online training (OLT) provided by ASSA ABLOY.

ALOA

Students completing ASSA ABLOY training modules can apply those training hours toward ALOA AUE credits used to maintain certification credentials.

DHI

Students completing ASSA ABLOY training modules can apply those training hours to satisfy DHI's Continuing Education Point (CEP) requirements.

GET STARTED

Contact the training team or your local rep to learn more about upcoming classes in your area. Courses are available at no charge and are open to everyone. Start your learning journey with us today!

"Our expertly delivered training courses prioritize the learner every step of the way: from personalized, role-specific content to hands-on practice designed to 'meet you where you are,' we want to make sure attendees walk away from our training sessions with real-world knowledge and skills that can be used on the job immediately.

When I say that we put the 'fun' in fundamentals, I mean it!"

Katie Corbin, M.S.Ed.
Learning Design Manager
ASSA ABLOY Electromechanical Solutions Group

INSTRUCTOR-LED TRAINING (ILT)

Our expert training team offers half-day (4 hour) classes around the US on a wide variety of topics surrounding door hardware, codes, and hands-on installation. For more information and the latest upcoming live sessions, contact your local sales representative.

Codes and Common Sense of Fire Rated Assembles

This course provides an overview of the National Fire Protection Association's 'NFPA 80 Standard for Fire Doors and Other Opening Protectives' with topics ranging from fire rated assembly applications to understanding door hardware components. Instructor-facilitated discussions focus on historical examples and case studies as well as common fire door inspection violations. Learners also explore the 13 inspection items being checked by qualified inspectors for a fire-rated assembly.

By completing this course, attendees should be able to:

- Locate the 'NFPA 80 Standard for Fire Doors and Other Opening Protectives' online.
- Recognize locations where we commonly find fire rated assemblies.
- Name the key components of a fire rated assembly.
- Discuss the fire rated assembly inspection process and common violations.
- Identify the 13 steps to conducting an inspection of a fire rated assembly to determine health of the assembly.

Electric Strike Applications & Installation

In this course, begin with an overview of site surveying to determine what you need to consider – including codes, fire rating, frame and door type/materials, and fail safe/fail secure operation - and ultimately selecting the best electric strike for the application. The remainder of the class is focused on installation, with instructor demonstrations and hands-on practice of installation techniques and safety practices.

By completing this course, attendees should be able to:

- Recognize the key factors when selecting a strike for an application, including aluminum storefront and all glass considerations.
- Assess how to match a door lockset to an electric strike.
- Summarize building codes as they apply to electric strikes.
- Install an electric strike into a hollow metal door frame.

IBC Electronic Locking Hardware Codes

This course serves as an introduction to the International Building Codes (IBC) Electronic Locking Hardware Codes, including standards and amendments adopted by local jurisdictions, as applicable. Instructor-facilitated discussions focus on delayed egress, codes for maglock installations, and less common installations, such as controlled egress, stairwells, and elevator lobbies. Key chapters, sections, and appendices of the code books are provided for future lookup and reference, as well as links to the online code books.

By completing this course, attendees should be able to:

- Identify which code series are adopted by local jurisdictions.
- Provide a basic overview of delayed egress codes versus controlled egress codes.
- Recall the two code standards when installing a maglock on a door to control access.
- Explain the basics of access control door setup up for stairwells and elevator lobbies.
- Identify the 13 steps to conducting an inspection of a fire-rated assembly to determine health of the assembly.

Level 1 - Basic Low Voltage Electricity for Installers

This entry level course is designed to introduce students to the basics of direct current (DC) electricity for low voltage locksmiths and those contractors working on electronic locking and access control systems. Featuring a balance of presentation and hands-on exercises, students begin with the basics of AC and DC electricity, electrical concepts like voltage, amperage, ohms, and continuity, and how to use a multimeter. Guided, hands-on practice with basic circuits and the development of circuits, identifying normally open (NO) and normally closed (NC) circuits, and common electronic door hardware round out this fundamental class.

By completing this course, attendees should be able to:

- Identify the differences between AC and DC electricity.
- Describe basic electrical concepts – such as voltage, amperage, and resistance - and their relationships to one another.
- Identify normally open (NO) and normally closed (NC) circuits and hardware commonly used with each of those circuits (i.e. fail safe and fail secure).
- Demonstrate the proper use of basic hand tools and safety measures.
- Show proper wire preparation and wire gauge selection.
- Establish a process for circuit development.
- Build simple circuits using basic electronic components.
- Use a multimeter to measure voltage, current, resistance, and continuity at various points across a circuit.

Level 2 - Advanced Electronic System Wiring and Basic Troubleshooting

Designed for learners already familiar with basic wiring and circuit development, refine electronic system knowledge and skills and discover practical troubleshooting techniques in this hands-on course. Actively participate in creating fail safe and fail secure wired systems, request to exit (REX) devices, relay logic, connecting simple electronic door hardware systems using electric strikes, maglocks, keypads, buttons/switches, and power supplies, and troubleshooting those components using a multimeter.

By completing this course, attendees should be able to:

- Identify fail safe and fail secure operation and hardware commonly used with each of those systems.
- Build simple operational electronic circuits (NO and NC) using common electronic hardware components.
- Isolate and troubleshoot electronic circuit components using a multimeter.

Level 3 - Electronic Circuits, Wiring Diagrams and System Design

Designed for learners already experienced with wiring and circuit development, this challenging hands-on course takes electronic concepts and door hardware to the next level. Actively participate in creating wiring diagrams, setting up advanced wired systems in series and parallel, and connecting entire electronic door hardware systems using electric strikes, maglocks, keypads, buttons/switches, and power supplies.

By completing this course, attendees should be able to:

- Create wiring diagrams based on provided operational narratives.
- Build operational electronic circuits using wiring diagrams.
- Isolate and troubleshoot electronic circuit components using a multimeter.

Level 4 – Access Control Power and Distribution Design

As a culmination of the previous levels' topics and hands-on exercises, create complex circuits for real-world applications in this challenging, project-based course. With a focus on power supply and distribution board selection, consider the importance of amperage and having spare power for future system expansion.

By completing this course, attendees should be able to:

- Determine individual component amperage draw in order to select an appropriate power supply and distribution board.
- Calculate overall electronic system load, power/spare power, and distribution requirements.
- Build and test complex operational electronic circuits using relay logic using wiring diagrams.
- Isolate and troubleshoot electronic circuit components using a multimeter.

Site Survey and Access Hardware Selection

This course outlines the proper method of conducting a site survey to determine the best ASSA ABLOY products for an opening while meeting the customer's needs. Discuss codes and AHJ, learn walkthrough tips and techniques, consider electronic locking system components – like power supplies, locks, entry and exit device selection - as well as system layout during this interactive session.

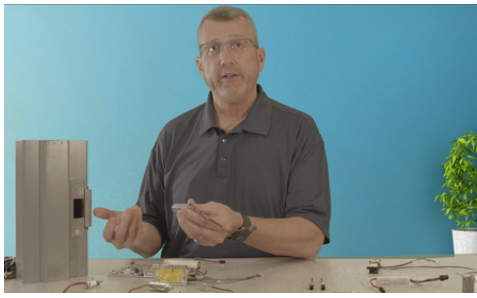
By completing this course, attendees should be able to:

- Discuss necessary information collected during the site survey process.
- Identify existing mechanical and/or electrical door hardware, surroundings, and door frame materials.
- Recognize examples of electric locking system components, brackets, and accessories needed for installation.
- Define requirements for exiting, switches, actuators, and power needs.
- Summarize steps to designing an electric locking system layout.
- Suggest possible access control hardware solutions to multiple use-case applications, occupancy uses, and scenarios.

DON'T SEE WHAT YOU'RE LOOKING FOR?

Contact the training team or your local rep to discuss customized content to fit your needs! We'll do our best to accommodate these special requests based on trainer availability.

VIRTUAL INSTRUCTOR-LED TRAINING (VILT)



Available as 1- or 2-hour live and on-demand sessions, our webinars offer an interactive virtual experience. Access video recordings of our popular webinars and start learning on your schedule. On-demand webinars are available to watch 24/7 with no registration needed.

Access Control Hardware Selection

This class will take a step-by-step look at selecting the correct hardware needed to electronically access control openings. We will review the steps in the hardware selection process and what other information we need to know when selecting hardware. We will briefly discuss how codes affect our selection, as well as establish a basic understanding of mechanical and electronic hardware.

By completing this course, attendees should be able to:

- Recognize examples of mechanical and electrical access control hardware.
- Describe necessary information collected during the site survey process.
- Summarize building codes as they pertain to occupancy and fire-rated openings.
- Suggest possible access control hardware solutions to multiple use-case applications, occupancy uses, and surroundings.
- Discuss special considerations and hardware selection with an aluminum store-front opening and Herculite glass openings.

Adams Rite Product Applications

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, dead-latches and panic exit devices along with electrified hardware products.

By completing this course, attendees should be able to:

- Identify mechanical and electrical access control hardware offered by Adams Rite.
- Provide use-case examples/applications for Adams Rite solutions from each of the 6 product segments: Deadlocks, Deadlatches, Exit Devices, Trim, Electric Strikes, and Power.
- Discuss special considerations and hardware selection with an aluminum store-front opening.
- Suggest possible access control hardware solutions to multiple use-case applications, occupancy uses, and surroundings including Adams Rite products.
- Differentiate between properly installed Adams Rite hardware and poorly installed solutions.

Aperio® Wireless Products and Applications

This course covers the basics of Aperio technology, as well as applications and solutions best suited for Aperio and the ASSA ABLOY products that integrate Aperio technology. Get ready to expand your solutions!

By completing this course, attendees should be able to:

- Recognize the Aperio technology and products available.
- Summarize product applications in a field environment.
- Identify the influences of Aperio technology operating properly.
- Discuss possible access control hardware solutions offered by ASSA ABLOY that integrate with Aperio technology to multiple use-case scenarios, functions, and surroundings.

Codes & Common Sense – NFPA 80 Fire Rated Assemblies

This course is a review of the 'NFPA 80 Standard for Fire Doors and Other Opening Protectives' with topics ranging from where we commonly find fire rated assemblies to understanding door hardware components. We'll also discuss when modifications can be made to a fire rated assembly and the addition of accessory products. Learners will also explore the 13 inspection items being checked by qualified inspectors for a fire-rated assembly.

By completing this course, attendees should be able to:

- Recognize the 'NFPA 80 Standard for Fire Doors and Other Opening Protectives.'
- List locations where we commonly find fire rated assemblies.
- Name the key components of a fire rated assembly.
- Identify the 13 steps to conducting an inspection of a fire-rated assembly to determine health of the assembly.

Decoding Delayed Egress

This course is an introduction to International Building Codes (IBC) 2018 Delayed Egress. We will discuss how the delayed egress code has changed over the years, from the 2012 and 2015 code series. We will review the common hardware used in setting up a delayed egress system. Get ready to dive into the codes as presented in the IBC 2018 code series and provide answers to your delayed egress questions.

By completing this course, attendees should be able to:

- Locate the sections related to delayed egress code in the IBC 2018 code book online.
- Describe the basics of where delayed egress can be applied by occupancy codes.
- Recall key sections of the delayed egress code for application standards.
- Recognize the delayed egress exceptions allowed for I-Institution occupancies.

Electric Strike Selection

In this course, we will review conducting a site survey to determine the correct electric strike for an application and what you need to know when selecting a strike. We will look at some applications and walk through steps to get to the "best" strike for the application. We will also explore common door hardware and what you need to know to select the strike design to work with it and “outside the box" options to consider.

By completing this course, attendees should be able to:

- Recognize the key factors and considerations when selecting a strike for an application.
- Summarize building codes as they apply to electric strikes.
- Assess how to match a door lockset to an electric strike.
- Discuss what to do with a store-front opening and Herculite glass as hardware changes.
- Describe how ASSA ABLOY can support your strike selection decision making process.

Electromechanical Touchless Solutions and Applications

This course provides an in-depth look at what you need to know to create a touchless solution using hardware and accessories from HES, Securitron, Adams Rite, and Alarm Controls. During the training session, we'll review key considerations for going from mechanical to electrified hardware and switches to create a touchless or “touch-less” solution, like existing hardware, the door's function, the opening's surroundings, and, of course, codes. With an emphasis on real-world applications, this class adds context to the typical features/benefits product-centric conversation.

By completing this course, attendees should be able to:

- Recognize the key factors and considerations when selecting a touchless solution for an application.
- Summarize building codes as they apply to hardware used in touchless applications.
- Suggest possible touchless hardware solutions to multiple use-case applications, occupancy uses, and surroundings.

Fundamentals of DC Electricity for Low Voltage

This course is an introduction to the basics of direct current (DC) electricity for low voltage contractors working on access control systems. We will be reviewing the basics of AC and DC, voltage, amperage, ohms, and continuity, including how to perform measurements with a multimeter. We will discuss basic circuits and the development of circuits, identifying normally open (NO) and normally closed (NC) circuits and common electronic hardware used.

By completing this course, attendees should be able to:

- Define voltage, amperage, ohms, and continuity.
- Explain how and where to measure volts, amps, ohms, and continuity.
- Outline the process of how to use a multimeter to measure for volts, amps, ohms, and continuity.
- Identify normally open (NO) and normally closed (NC) circuits and hardware commonly used with each of those circuits.

IBC 2018 Electronic Locking Codes Review

This course serves as an introduction to the International Code Council (ICC)/International Building Codes (IBC) 2018 Electronic Locking Hardware Codes. To begin, focus will be on delayed egress and codes for maglock installations, which will be followed by less common installations, such as controlled egress, stairwells, and elevator lobbies. We will identify key sections, chapters, sections, and appendices for future lookup and reference, as well as links to the online code books.

By completing this course, attendees should be able to:

- Locate the ICC and NFPA Codes online.
- Provide a basic overview of delayed egress codes.
- Recall the two code standards when installing a maglock on a door to control access.
- Explain the basics of access control door setup up for controlled egress, stairwell, and elevator lobbies.

Maglocks – Selection & Applications

In this class, we will discover the process of selecting the correct maglock based on the application. We will explore different openings and discuss installation challenges we may need to overcome. Codes for maglocks on access controlled doors will briefly be discussed.

By completing this course, attendees should be able to:

- Recognize selection factors when choosing a maglock for an application.
- Identify different types of maglocks and possible applications.
- Identify the various ways to install/mount maglocks using brackets and accessories.
- Describe access control hardware options for releasing a door secured by a maglock.
- Summarize building codes relating to maglocks as they pertain to egress and life safety requirements.

Powering Your Access Control System

This course is a review of the steps in the development of a circuit with the focus on the distribution board and the power supply. How do we get to the boards? Math is the answer! We will discuss different types of distribution and power supplies and consider the following questions: when would you select one board over another? How important is the fire relay? Do I really need it?

By completing this course, attendees should be able to:

- Summarize the development process of an access control circuit.
- Explain to how to determine the amperage needed for a circuit.
- Recognize distribution boards offered by ASSA ABLOY.
- Differentiate between types of power supplies.
- Select the right board(s) to fit the power requirements of circuits(s).

Site Survey & Worksheet Review

This course reviews the key considerations and items to identify when conducting a site survey by utilizing the provided site survey worksheet. The course will review and discuss 6 factors to consider prior to conducting a site survey, as well as selecting the most appropriate access control hardware based on collected information. The provided, complementary site survey worksheet will be woven into the presentation to demonstrate how this tool can be utilized during the site survey process.

By completing this course, attendees should be able to:

- Discuss necessary information collected during the site survey process.
- Identify existing mechanical and/or electrical door hardware, surroundings, and door frame materials.
- Identify the 6 critical items to consider before conducting a site survey.
- Follow the 6 step selection process of products and materials for each opening.
- Recognize how the provided site survey worksheet can be used as an aid when conducting a site survey.

Smart Strategies for Selecting Switches & Push Buttons

This class will take a step-by-step look at selecting the correct switches and push buttons as part of an access control solution. We discuss the differences between normally open (NO) and normally closed (NC) switch contacts and how they relate to the electrified hardware being used to secure the opening. We will briefly discuss various options – like single pole/double throw (SPDT), double pole/double throw (DPDT) - as well as present multiple use-case examples and applications.

By completing this course, attendees should be able to:

-Differentiate between normally open (NO) and normally closed (NC) switch contacts as a part of the entire access control solution.
-Recognize when options like single pole/double throw (SPDT), double pole/double throw (DPDT), and momentary or alternate action switches should be used.
-Suggest possible switch/push button solutions to multiple use-case applications and operational requirements.

Storefront Mechanical to Electrical Solutions

This course covers solutions to upgrade storefronts and small businesses from mechanical to electrified access control. Participants will explore a variety of locking solutions for aluminum doors.

By completing this course, attendees should be able to:

- Identify mechanical and electrical access control hardware available from ASSA ABLOY.
- Provide use-case examples/applications for solutions from six product segments: Deadlocks, Deadlatches, Exit Devices, Trim, Electric Strikes, and Power.
- Discuss special considerations and hardware selection with an aluminum store-front opening.
- Suggest possible access control hardware solutions to multiple use-case applications, occupancy uses, and surroundings.

Troubleshooting Electric Strikes

In this class, we will take a step-by-step look at troubleshooting common issues with electric strikes in the field.

By completing this course, attendees should be able to:

- Review electric strike offerings available from ASSA ABLOY.
- Identify troubleshooting steps for common problems in provided access control scenarios with electric strikes.
- Comply with codes and standards related to electrified door hardware.
- Self-evaluate personal knowledge and skill sets for the installation, selection, and troubleshooting of electric strikes.

Upgrading from Mechanical to Electrified Hardware

This course provides an in-depth look at what you need to know about an opening in order to select the right electrified hardware option(s) to work with or replace the most common mechanical door hardware. During the training session, we'll review key site survey fundamentals when selecting electrified hardware, like existing hardware, the door's function, the opening's surroundings, and, of course, codes.

By completing this course, attendees should be able to:

- Identify common mechanical door hardware.
- Recognize the most used electrified hardware products (not inclusive of aluminum storefront hardware).
- Review fundamental site survey considerations: existing hardware, function, surroundings, and codes.
- Discuss basic egress codes relating to electrified openings.

FIND US ON YOUTUBE

Our brands' YouTube channels offer a variety of product content, installations, and quick tips and tricks. Be sure to like, subscribe, and follow to see the latest videos!

eLEARNING COURSES

These self-paced, online training modules incorporate a blend of learning and assessment tools including video clips, direct instruction, diagrams, plus links to helpful resources. eLearning courses are available to access 24/7 via ASSA ABLOY Academy.

Fundamental Knowledge for Low Voltage Professionals

Are you new to working with electricity, electrical systems, and electrified hardware? This is the course for you! In "Fundamental Skills for Low Voltage Professionals," we'll begin with a high-level discussion of basic electrical concepts and common terms to know. We'll show you some basic hand tools you'll use on-the-job before demonstrating how to use a multimeter. A knowledge check at the end of the course allows learners to test their skills, plus gain access to valuable resources and reference materials.

By completing this course, learners should be able to:

- Describe basic electrical concepts – such as voltage, amperage, and resistance - and their relationships to one another.
- Identify the differences between AC and DC electricity.
- Demonstrate the proper use of basic hand tools and safety measures.
- Show proper wire preparation and wire gauge selection.
- Use a multimeter to measure voltage, current, resistance, and continuity at various points across a circuit.

Installing the HES ES100 Series Wireless Electric Strikes with Aperio Technology

In this module, learners will begin by taking a step-by-step look at installing an HES ES100 Series Wireless Electric Strike and reader. Then, we'll examine Aperio communication hub placement and wireless technology. Along the way, watch videos, explore FAQs, and learn common troubleshooting tips. A knowledge check at the end of the course allows learners to test their skills, plus gain access to valuable resources and reference materials.

By completing this course, learners should be able to:

- Cut in (Install) the ES100 Wireless Electric Strike.
- Connect and mount the ES100 reader.
- Install the optional door position switch (DPS) and latch monitoring.
- Troubleshoot the HES ES100 Wireless Electric Strike with Aperio technology.
- Demonstrate correct Aperio Hub placement.
- Describe what kinds of wireless coverage patterns the Aperio Hub supports.
- Provide examples of site conditions to check to avoid potential wireless interference issues.
- Connect the ES100 with an Aperio AH20 1-to-1 Wiegand Hub.
- Recognize the differences between the basic, pre-paired hub functionalities and the advanced, field configurable options.

Understanding Adams Rite Exit Devices

In this module, learners will start by testing their knowledge of basic door openings, then dive deeper by learning to identify the different components of an exit device. There are several latching options and varieties of exit devices available from Adams Rite, so learning when to use each solution should be a key takeaway from this course. A knowledge check at the end of the course allows learners to test their skills, plus gain access to valuable resources and reference materials.

By completing this course, learners should be able to:

- Identify four components of an exit device solution.
- Differentiate between the 5 types of exit devices and their uses offered by Adams Rite: Surface Vertical Rods, Mortise, Concealed Vertical Rods, Rim, and Dummy.
- Recognize both mechanical and electrical exit device options offered by Adams Rite.
- Discuss special considerations and exit hardware selection with an aluminum storefront opening.

The ASSA ABLOY Group is the global leader in access solutions. Every day we help people feel safe, secure and experience a more open world.

ASSA ABLOY
Opening Solutions

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