

## ASSA ABLOY EMS&OEM GROUP 2015 COURSE OFFERINGS

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/technical knowledge, selling techniques, site survey, and system design and product installation.

### Advanced Electronic System Wiring and Basic Troubleshooting

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|--------------------------|--|
| <b>Course length:</b>    | 4 hours  |
| <b>Class size limit:</b> | 20 students  |
| <b>Credits offered:</b>  | ALOA #AATP-AA007 ESA #13-3837                      |
| <b>Attendees:</b>        | Locksmiths, Installers, Access Control technicians |
| <b>Content balance:</b>  | 40% instructional - 60% hands-on learning          |
| <b>Prerequisites:</b>    | 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:

- Creating Wiring Diagrams
- Fire Alarm Interface
- Fail safe lock system wiring
- Fail secure lock system wiring
- Basic system troubleshooting-Using multi-meter
- Wiring trouble shooting - What you should test
- DK-26 and Power Supply Trouble shooting
- Magnetic lock and electric strike troubleshooting
- Touch sense bar troubleshooting
- Digital keypad troubleshooting
- 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.

To learn more about the training classes offered, please contact: [training@hesinnovations.com](mailto:training@hesinnovations.com).

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