ATS Operator Field Skills Training

COURSE NAME	ATS Operator Field Skills Training
FORMAT	Instructor-led training in a combined classroom and lab environment
DURATION	One day | approximately 8-hours
SCHEDULE	8:00am-4:30pm with 30-minutes for lunch and periodic breaks
ASSESSMENT	There is no final exam or certification for this class

AUDIENCE

Building automation and control system operators, as well as Service technicians and account managers. This course should be taken within 6-months to 1-year after completing ATS Compass Operator Training.

OVERVIEW

This intermediate course focuses on how to use information-gathering and troubleshooting techniques to solve common building automation problems. Students who complete this class will learn how to safely use common hand tools, understand electrical theory as it applies to controls systems, and understand standard ATS controls drawings and other resources.

Using the IDEAS troubleshooting methodology, students will go through the process of identifying issues and recognizing symptoms, exploring solutions, and evaluating results. Students will apply this methodology to software and hardware issues using training panels and PCs to simulate real-world scenarios. This class will culminate in learning how to replace and configure an Alerton VLC and exposure to fundamental systems integration that includes legacy controls, 3rd-party systems, and non-BACnet equipment.

OBJECTIVES

After completion of this course students will be able to:

- Safely use basic controls hand tools and PPE
- Understand electrical theory fundamentals as they apply to building automation systems
- Interpret standard ATS control drawing sets
- Understand the different sub-systems of a BAS and their interdependencies
- Apply the IDEAS troubleshooting methodology to controls issues
- Interpret error messages and their possible causes
- Use trendlogs and alarms to support troubleshooting efforts
- Identify and resolve basic user interface and graphics issues, such as point mapping errors
- Link external resources such as datasheets and drawing set pdfs to the Compass front end
- Troubleshoot controller power and communication issues
- Understand common device confirmation requirements

- Safely replace and configure an Alerton field controller
- Safely troubleshoot and replace an MS4 thermostat
- Understand how ATS uses Alerton controls to integrate with legacy controls, 3rd party systems, and non-BACnet equipment

PREREQUISITES

- Completion of ATS Compass Operator Training within the last 6-months to 1-year
- Knowledge of basic HVAC and mechanical systems terminology, principles, and concepts
- Understanding of basic Alerton BACnet and building automation theory

[Equivalent combination of experience and training can be substituted on a case-by-case basis]

ENROLLMENT

To enroll in this course, please contact your designated Service Account Manager or email training@atsinc.org. You may also call 425.251.9680 and ask to be connected to the ATS Training & Development Group for additional information.