Compass Operator Training

COURSE NAME	Compass Operator Training
FORMAT	Instructor-led training in a combined classroom and lab environment
DURATION	Two days (13 hours over two days)
SCHEDULE	8:00am to 5:00pm with one hour for lunch and two breaks each day
ASSESSMENT	There is no final exam or certification for this class

AUDIENCE

Building automation and control system operators, technicians, installers, engineers, programmers, and sales persons. The Compass Operator course is the recommended first training course in the Ascent Certification series.

OVERVIEW

This course focuses on the operator's role in an Alerton System by introducing the Ascent System hardware and Compass software. Students will learn the fundamentals of the Compass workstation using Ascent and BACtalk hardware to simulate a live building automation system. Students are introduced to the hardware architecture and hierarchy of the Alerton system and will get hands-on experience identifying and working with global controllers and field devices. Simulating real life scenarios, students will configure and edit the most commonly used features of Compass and learn to maximize the potential use of this system.

OBJECTIVES

After completion of this course students will be able to:

- Describe the Alerton system architecture and be able to identify the various Alerton control system components, understanding their respective relationships to one another.
- Describe the BACnet protocol, how control system devices are addressed, and how a control system data points are represented using BACnet Objects and Properties.
- Log in to the Compass workstation and navigate its displays to monitor and control building systems by adjusting setpoints and other control parameters.
- Update a device's description, save point data from a device, and send point data to a device using the Device Manager.
- Create and edit daily, holiday, and event schedules.
- Create trendlogs and view data in table and graph formats.
- View and archive energy logs.
- Create and edit alarms as well as view and acknowledge alarms.
- Setup Alarm Handlers for annunciating alarms to workstations and emails.

- Create and edit reports.
- Backup the Compass workstation both manually and automatically.
- Add and edit users and group privileges.

PREREQUISITES

- Knowledge of basic HVAC terms, principles, and concepts.
- A working knowledge of computers and current Microsoft operating systems.

RESOURCES

Compass 1.5 User Guide

Compass 1.5 Essentials user Guide

REGISTRATION

To register for the Compass Operator Training course at ATS headquarters in Renton or to get more information, please call or email the ATS Training Coordinator at 425-264-9703 / training@atsinc.org.