

Johnson Controls Institute Course

Metasys FEC Operations/Troubleshooting (#4703)

\$1,295/**\$1,145**
(2.0 CEU)

Make the most of the Field Equipment Controllers (FECs) used at your facility by learning how to access and read existing strategies and how to download and test existing configurations. Extensive hands-on lab activities use CCT software to work with FEC, IOM, and VMA controllers for troubleshooting of programs and field devices. Additional lab exercises focus on using the simulation tool and troubleshooting existing programs. This is an excellent course for building personnel who want to gain a better understanding of HVAC Control Systems and Johnson Controls FEC devices.

Recommended Prerequisite: Fundamental Control Strategies for HVAC Systems (#215) or Equivalent experience.

DAY ONE

AM: Overview of FEC Controllers
Controller Configuration Tool (CCT) Overview
LAB: CCT Help File
Bluetooth Wireless Communications
LAB: Bluetooth Wireless Setup
PM: Downloading and Uploading FEC Controllers
LAB: FEC Downloading and Uploading
Control Strategies and State Control
LAB: Commissioning an FEC Controller

DAY TWO

AM: Modifying Points in an FEC Controller
LAB: Modifying Inputs and Outputs
FEC and IOM Hardware
LAB: Hardware Verification
LAB: Troubleshooting an RTU Program
PM: MS/TP Communications
LAB: Troubleshooting an AHU Application
Sideloops
LAB: Commissioning Sideloops

DAY THREE

AM: VMA Controller
LAB: Troubleshooting a VMA Application
Installation Considerations
PM: TEC Thermostats
Simulation Mode in CCT
LAB: Simulating an FEC Controller

Course ends at 3:30 p.m.

