

Johnson Controls Institute Course

Facility Explorer Field Controllers Engineering and Setup (#4700)

\$1,645/\$1,495
(3.0 CEU)

Note: Available only to end user customers, Authorized Building Control Specialists, and Facility Explorer authorized system installers.

Optimize comfort and energy usage in a facility by unlocking the full potential of the Facility Explorer field controllers.

Participants will learn how to create their own Facility Explorer application programs using FX Builder software. Laboratory exercises include hot water reset, lead/lag pump operation, alarm annunciation and more! Participants will then download and commission their applications with the FX ComPro program.

Recommended Prerequisite: Fundamental Control Strategies for HVAC Systems (#215) **or** a strong knowledge of HVAC systems and control strategies

MONDAY

AM: Introduction to the Facility Explorer Controllers
LAB: Identifying Facility Explorer Hardware
PM: User Interfaces
LAB: Using the User Interfaces
FX ComPro
LAB: Calibrating AIs and AOs

TUESDAY

AM: Creating an Application Using FX Builder Software
LAB: Building a Simple Facility Explorer Program
PM: Input Objects
Output Objects
Extension Modules
Time Scheduling Functions
LAB: Creating a Time Schedule

WEDNESDAY

AM: Control Functions
LAB: Hot Water Valve Control Application
Introduction to Numeric Functions
LAB: Hot Water Reset and Runtime Totalization
PM: Numeric Functions
LAB: On-Delay, Off-Delay and Alarm Monitoring

THURSDAY

AM: Logic Functions
PM: LAB: Boiler Plant Start, Stop, and Alarm Control

FRIDAY

AM: FX Builder Plug-ins

Course ends at 11:30 a.m.

