

## Course Description

This course provides an in-depth discussion of the techniques associated with properly installing commercial CITY MULTI systems. It covers Diamond System Builder™ design software and the concepts of integration and centralized control required for proper system start-up. Additionally, the course offers an in-depth functional examination of system operation including both the electrical and refrigerant circuits for the purposes of system troubleshooting. Practical hands-on exercises to identify faults and repair select units reinforce the concepts covered.

## Prerequisite

CITY MULTI Product Overview (online)

## Target Audience

Service Technicians and Installers

## Course Duration

3 Days

## Educational Credits

IACET: 2.1 CEUs    NATE: 24 hours

## Course Tuition

\$480 per seat

## Classroom Requirements

Laptop computer with Windows 8 or newer

## Objectives

- ▶ Review the commercial product nomenclature and system components
- ▶ Explore Diamond System Builder to view design, layout, and project properties for a CITY MULTI system application
- ▶ Identify and discuss the concepts of wiring and addressing of system components
- ▶ Explain the installation process including the location and function of DIP switches and jumper settings
- ▶ Use Diamond System Builder to modify, layout, and select specifications for a CITY MULTI system application
- ▶ Identify and discuss the extended warranty terms and submittal procedure
- ▶ Explain the settings and networking required to setup centralized control
- ▶ Discuss start-up faults and their resolution
- ▶ Identify and discuss preventive maintenance tasks and the use of Maintenance Tool for system monitoring
- ▶ Discuss electrical operation and refrigerant flow paths
- ▶ Use Maintenance Tool to locate the key data points for monitoring equipment
- ▶ Resolve fault and error codes

