

CITY MULTI® INSTALLATION, STARTUP & SERVICE ESSENTIALS



Course Description

This course provides an in-depth discussion of the techniques associated with properly installing commercial Trane® / Mitsubishi Electric CITY MULTI® VRF 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.

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

Prerequisite

CITY MULTI Product Overview (online)

Target Audience

Contractors, Service Technicians and Installers

Course Duration

3 Days

Educational Credits

IACET: 2.1 CEUs NATE: 24 hours

Classroom Requirements

Laptop computer with Windows 8 or newer



Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit trane.com or tranetechnologies.com.