M- and P-Series Essentials

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Date:
Thursday, November 19 &
Friday, November 20

Time:
8:00 am - 4:00 pm

Course Description
This course provides an in-depth discussion of the techniques associated with properly installing a M-or P-Series system. Instruction focuses on best practices, limitations, and manufacturer's requirements as they pertain to wiring, addressing, refrigerant piping, equipment installation, and refrigerant charge. Additionally, the course focuses on the service and troubleshooting of M- and P-Series systems. Instruction details the concepts and theories of M and P system operation including electrical and refrigerant circuits. The resources and techniques to troubleshoot M- and P-Series systems are discussed and reinforced with practical hands-on exercises.



Prerequisites
M- and P-Series Product Overview (online)

Target Audience
Installers / Service Technicians

Educational Credits
IACET: 1.4 CEUs, NATE: 16 hours

Course Tuition
$250 per seat Classroom

Requirements
Laptop computer or Internet accessible device

Learning Objectives

- Review the six-step installation process including refrigerant charge, DIP switches, and jumper settings
- Explain system start-up, warranty terms, and product registration procedures
  Discuss the operation and functionality of M- and P-Series control options
  Create a project using Diamond System Builder (DSB) software
  Explain the steps to perform preventive maintenance on system components
  Review component technology and system operation
  Discuss electrical operation and refrigerant flow paths
  Examine the use of mode recall, fault codes, test point diagrams, service tools, and controllers to troubleshoot system operation