

### 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. This course also focuses on the service and troubleshooting of M- and P-Series systems. The concepts and theories of M- and P- system operation including electrical and refrigerant circuits are covered in detail. The resources and techniques to troubleshoot M- and P-series systems are discussed and reinforced with practical hands-on exercises.

### EDUCATIONAL CREDITS

NATE: 16 Hours

### COURSE TUITION

This class is \$250 per attendee

### SUPPLIES REQUIREMENTS

Laptop or Internet Accessible Device

### COURSE OBJECTIVES

- 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
- 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 software



### NORTH DENVER TRAINING CENTER

4900 Osage St. -Suite 100  
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- August 20-21



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