M- and P-Series Essentials

MITSUBISHI ELECTRIC TRANE HVAC US

TRAINING SERIES



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

Course Duration

2 Days

Educational Credits

NATE: 16 hours

Course Tuition

$320 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 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

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