



SANYO Commercial Solutions

HVAC Solutions Group
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COURSE DESCRIPTION

As of Jan 1, 2009

COURSE: ECOi Installation and Commissioning

LOCATION OF TRAINING: Sanyo Kennesaw Georgia Training Facility, Sanyo Authorized Training facilities with Sanyo HVAC products installed/operational.

COURSE OVERVIEW: This training course focuses on Sanyo's ECOi Multi Split Variable Flow Refrigerant (VRF) system. Upon completion of this course participants should have attained the required skills to properly configure, install and commissioning the ECOi system.

TIME REQUIRED: 1.0 Days

WHO SHOULD ATTEND: Our target audience includes HVAC contractors (technicians and installers) as well as our wholesale distributor technical staff members. Attendees should have a thorough understanding of air conditioning systems, refrigerants, installation and service procedures. Previous skills and knowledge of Sanyo's Split Ductless Inverter Driven products is a plus.

CLASS SIZE: Target class size is 10 - 15 individuals

GENERAL COURSE OUTLINE:

- Introduction of product (including models, capacities, voltages, etc.)
- Working with R-410a refrigerant
- Installation requirements and procedures including but not limited to:
 - Brazing of refrigerant lines/need for nitrogen purge
 - Selection and installation of refrigerant piping
 - Evacuation requirements
 - Refrigerant charging calculations and methodology
 - Installation and supporting of indoor and outdoor units
 - Installation/interfaces of accessory items
 - Required installation clearances
 - Power wiring requirements
 - Control wiring requirements

- Operating characteristics
- System commissioning including:
 - Pre start up checks and inspections
 - Sequence to start the system
 - Auto addressing of system
 - Controls programming
 - Post start up checks including voltage, amperage, pressure
- Hands-on Practical system operation
- Connection and use of Service Diagnostic Tool (Time Permitting)