

DAIKIN AC[®]

absolute comfort



**Daikin AC University
Training Course Guide**

COMMITTED TO YOUR SUCCESS

Welcome to Daikin AC University! Our mission is to offer our customers the best training in the industry, exhibited by a variety of quality training programs designed to provide the tools and resources needed for our customers to be successful.

We embrace and stand by this commitment through the development of our state-of-the-art training centers, highly trained and experienced instructional staff and professionally developed curricula.

Curriculum

Our courses are designed by training professionals around specific objectives based on industry needs and job task analysis. We offer a choice of instructional settings based on the program goals and our students' needs including: online/on-demand web-based training, instructor led webinars, on-site training, and instructor led classroom training at one of our Daikin Authorized training facilities.

Daikin AC University offers both on-site training at distributors and dealer facilities and at our Daikin Authorized training facilities in Carrollton, TX, Irvine, CA and Long Island City, NY. Our training facilities have a complete range of fully functional residential and commercial products, including Daikin Altherma and VRV for invaluable hands-on, practical experience.



ONLINE TRAINING



Web Based Training:

Our highly-acclaimed Web-Based Training (WBT) is available for you to login when you are ready. The course(s) selected can be retrieved with a few small strokes on your keyboard 24-hours a day, seven days a week.

Online Instructor-Led Training (OLIL):

We offer quarterly 1 to 2 hour training sessions via webinars. Each session is hosted by an experienced Daikin AC staff member. You can visit our website www.daikinac.com to register for one or all of the classes.

Online On-Demand (OLOD):

We will offer a selection of Daikin AC developed OLOD courses (Fall 2012). Look for this laptop symbol and email training@daikinac.com for more information.

Prerecorded Webinars:

We are pleased to start offering recorded versions of some of our instructor-led webinars. Look for the play symbol and email training@daikinac.com for more information.

WBT



ONLINE TRAINING

Daikin Introduction*



Course Objectives

- Daikin introduction and history
- Daikin as the global leader recognized for energy efficiency, innovation, and high quality products and services
- Daikin and the environment

Target Audience

Recommended for anyone

Duration

.5 Hours

*Fall 2012

Class Prerequisites

None. This is an introductory level course.

Class Size

N/A

Materials Provided

N/A

Price

OLOD courses are included with subscription pricing for Learning Management System - Fall 2012.

The Daikin Difference (Technology)*



Course Objectives

- How Daikin's product innovation, inverter technology and compressors make Daikin the product of choice.
- Understand how to best position Daikin's product line with regard to energy efficiency, individualized comfort, and quality.
- Review 12 of Daikin's technological advantages.

Target Audience

Recommended for anyone

Duration

1 Hour

*Fall 2012

Class Prerequisites

None. This is an introductory level course.

Class Size

N/A

Materials Provided

N/A

Price

OLOD courses are included with subscription pricing for Learning Management System - Fall 2012.

ONLINE TRAINING

Daikin Resources*



Course Objectives

- Review of the Dealer Handbook
- Understanding Daikin's Technical Resource Library (TRL) and how to use it
- Review of Dr. Daikin
- Review our Spare Parts Bank product and services offered
- Review Daikin AC University resources

Target Audience

Recommended for distributors

Duration

.5 Hours

*Fall 2012

Class Prerequisites

None. This is an introductory level course.

Class Size

N/A

Materials Provided

N/A

Price

OLOD courses are included with subscription pricing for Learning Management System - Fall 2012.

Piping & R-410A Refrigerant



Course Objectives

- Refrigerant recovery & the atmosphere
- Properties of R-410A
- POE vs. PVE oil
- Identify line set components
- Daikin dedicated tools
- Flared connections & brazing
- Standard pressure test & leak testing
- Triple evacuation process
- Pipe insulation
- Importance of liquid charging

Target Audience

Recommended for anyone

Duration

1 Hour

Class Prerequisites

None. This is an introductory level course.

Class Size

Limited to 25 students

Materials Provided

N/A

Price

No training fees for prerecorded or instructor-led webinars.

OLOD courses are included with subscription pricing for Learning Management System - Fall 2012.

ONLINE TRAINING

Daikin Residential Product Line*



Course Objectives

- Review single-split outdoor & indoor product line-up
- Review multi-split outdoor & indoor product line-up
- Review general and technical specs of all components
- Understand Daikin model # nomenclature
- Understand general applications

Target Audience

Recommended for distributors, contractors, residential sales personnel.

Duration

2 Hours

*Fall 2012

Class Prerequisites

None. This is an introductory level course.

Class Size

N/A

Materials Provided

N/A

Price

OLOD courses are included with subscription pricing for Learning Management System - Fall 2012.

Daikin Commercial Product Line*



Course Objectives

- Review VRV outdoor & indoor product line-up
- Review general and technical specs of all components
- Understand Daikin model # nomenclature
- Understand general applications
- Frequently asked questions

Target Audience

Recommended for anyone

Duration

2 Hours

*Fall 2012

Class Prerequisites

None. This is an introductory level course.

Class Size

N/A

Materials Provided

N/A

Price

OLOD courses are included with subscription pricing for Learning Management System - Fall 2012.

ONLINE TRAINING

VRV Product & Technology*



Course Objectives

- Daikin VRV concepts & characteristics
- VRV systems & product line-up
- General overview of VRV technology
- Describe inverter operation & benefits
- VRV Heat Pump & Heat Recovery
- VRV basic refrigeration piping specs
- VRV controls & communication wiring
- VRV controls product line-up

Target Audience

Recommended for anyone

Duration

2 Hours

*OLOD Version – Fall 2012

Class Prerequisites

None. This is an introductory level course.

Class Size

Limited to 25 students

Materials Provided

N/A

Price

No training fees for prerecorded or instructor-led webinars.

OLOD courses are included with subscription pricing for Learning Management System - Fall 2012.

New Product Overview*



Course Objectives

- Daikin AC product evolution
- New RA & RA-Multi systems
- New SkyAir product
- Daikin Altherma introduction
- VRV product additions

Target Audience

Recommended for anyone

Duration

1 Hour

*OLOD Version – Fall 2012

Class Prerequisites

None. This is an introductory level course.

Class Size

Limited to 25 students

Materials Provided

N/A

Price

No training fees for prerecorded or instructor-led webinars.

OLOD courses are included with subscription pricing for Learning Management System - Fall 2012.

ONLINE TRAINING

NEC - National Electric Code*



Course Objectives

- Understand NEC that is applicable to Daikin systems and field wiring examples
- Understand wire sizing
- Understand circuit protection
- Understand cable types for plenums

Target Audience

Recommended for anyone

Duration

1 Hour

*OLOD Version – Fall 2012

Class Prerequisites

None. This is an introductory level course.

Class Size

Limited to 25 students

Materials Provided

N/A

Price

No training fees for prerecorded or instructor-led webinars.

VRF Testing and Rating Standard AHRI 1230*



Course Objectives

- Review purpose and scope of AHRI Standard 1230 and why it is important to engineers, installers, contractors, and users
- Learn how AHRI 1230 will allow VRF manufacturers to test and certify full load (EER, COP) and part load (IEER)
- Learn how efficiency values are based on the total system performance
- Learn what are the minimum data requirements that all manufacturers must publish in the AHRI Directory

Target Audience

Recommended for anyone

Duration

1 Hour

Class Prerequisites

None. This is an introductory level course.

Class Size

Limited to 25 students

Materials Provided

N/A

Price

No training fees for prerecorded or instructor-led webinars.

*OLOD Version – Fall 2012

ONLINE TRAINING

LEED for New Construction Commercial Buildings*



Course Objectives

- Learn how Daikin equipment and systems can assist in earning LEED credits toward LEED certification
- Energy and Atmosphere credits
- Indoor Environment Quality credits
- Innovation in Design credits

Target Audience

Recommended for anyone

Duration

2 Hours

*OLOD Version – Fall 2012

Class Prerequisites

None. This is an introductory level course.

Class Size

Limited to 25 students

Materials Provided

N/A

Price

No training fees for prerecorded or instructor-led webinars.

Refrigerant Safety Considerations for VRF



Course Objectives

- Understand occupancy classifications (ASHRAE 15, Section 4)
- Understand refrigerant system classification (ASHRAE 15, Section 5)
- Understand refrigerant safety classification (ASHRAE 34, Section 6)
- Understand refrigerant concentration limits (ASHRAE 34, Tables 1 & 2)
- Understand installation restrictions (ASHRAE 15, Section 8)

Target Audience

Recommended for anyone

Duration

1 Hour

Class Prerequisites

None. This is an introductory level course.

Class Size

Limited to 25 students

Materials Provided

N/A

Price

No training fees for prerecorded or instructor-led webinars.

ONLINE TRAINING

Engineer Days – Session 1*



Course Objectives

- VRV vs. VRF
- VRV technology overview
- VRF energy legislation
- Optimizing designs for cost & efficiency

Target Audience

Recommended for engineers & architects

Duration

1 Hour

*Fall 2012

Class Prerequisites

None. This is an introductory level course.

Class Size

N/A

Materials Provided

N/A

Price

No training fees for prerecorded or instructor-led webinars.

Engineer Days – Session 2*



Course Objectives

- The Daikin Difference
- VRV vs. VRF class leading efficiency
- Class leading technology
- Control systems – DNet, BacNet, LonWorks
- Tools to cut design time in half

Target Audience

Recommended for engineers & architects

Duration

1 Hour

*Fall 2012

Class Prerequisites

None. This is an introductory level course.

Class Size

N/A

Materials Provided

N/A

Price

No training fees for prerecorded or instructor-led webinars.

ONLINE TRAINING

VRV Xpress System Layout*



Course Objectives

- Understanding of VRV Xpress
- Selecting VRV equipment
- Producing submittal data for installers & design engineers
- Basic design layout
- Frequently asked questions

Target Audience

Recommended for manufacturing reps

Duration

2 Hours

Class Prerequisites

None. This is an introductory level course.

Class Size

Limited to 25 students

Materials Provided

N/A

Price

No training fees for prerecorded or instructor-led webinars.

Mind Leaders*



Course Objectives

- Customer service skills
- Selling skills
- HR topics
- Soft skills (ex: time management)
- Management skills
- Leadership skills
- And More!

Target Audience

Recommended for anyone

Duration

Various

*OLOD Version – Fall 2012

Class Prerequisites

None. This is an introductory courses.

Class Size

N/A

Materials Provided

N/A

Price

OLOD courses are included with subscription pricing for Learning Management System - Fall 2012.

Introducing 250 More Courses in Fall 2012 with the Launch of Daikin AC University's Learning Management System!!

WBT

Web Based Training

Anyone
Anytime
Anywhere...

Features

▶ Convenience.

You can study anywhere and anytime as long as you have a PC and Internet access. Because there is no need to go to a training facility, it is just right for those who are busy or who live in remote areas. You can also save travel and accommodation expenses. Refer to page two for current course list in English-USA.

▶ Easy-to-understand multimedia training materials.

Easy-to-understand training materials facilitate understanding incorporating narration, photographs and illustrations.

▶ Learn at your own pace.

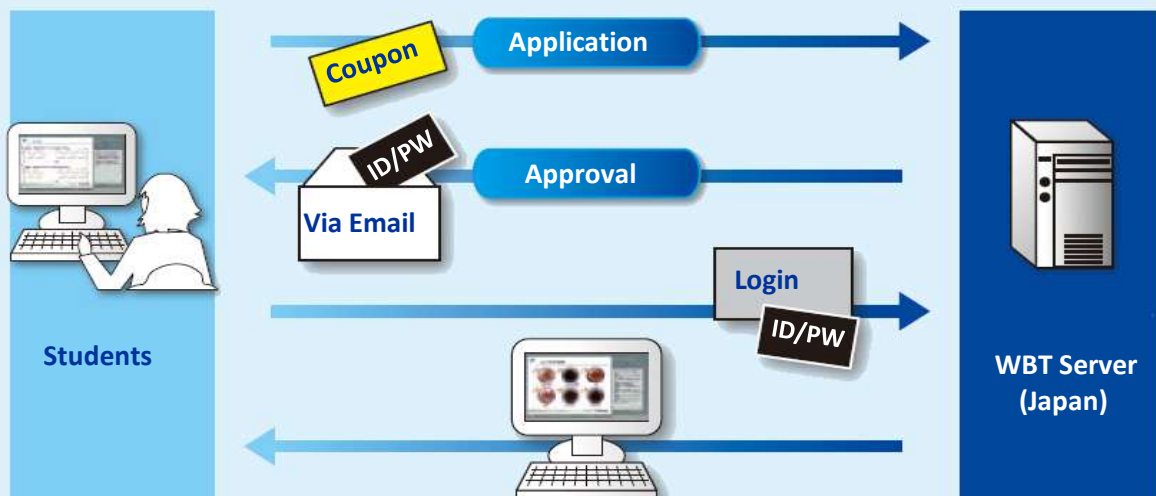
You are free to study at your own pace, going through easy parts quickly and taking enough time for difficult parts. You can also review the sections you have already studied. Say goodbye to any problems keeping up with a lecture!!

※ WBT provides basic study courses. If you are seeking more advanced courses, please attend classroom training available at our Daikin AC University training facilities.

For more details, please visit our website: www.daikinac.com or contact training@daikinac.com.

Flow from Application to Attendance

URL: <http://www.dtas.daikin.co.jp/>



Available Courses	No.	Course Name
Basic Air Conditioning	1.	Introduction to Air Conditioning
	2.	Classification of Air Conditioning Systems
	3.	Principles of Refrigeration
	4.	4 Components of Refrigeration Cycle & How it Works
	5.	4 Components of Refrigeration Cycle & 4-way Valves
	6.	Basic Knowledge of Heat and Pressure
	7.	Standard Operation State
	8.	Impact of Various Changes on Operation State
	9.	Simple Heat Load Calculation
	10.	Model Selection of Air Conditioners
	11.	The Basic Knowledge of Analog Relays
	12.	Refrigerant Types and Nomenclature
	13.	Air-Cooled and Water-Cooled Air Conditioners
	14.	Primary Electrical Components of Air Conditioners
	15.	Primary Electronic Components of Air Conditioners
	16.	The Primary Components of the Refrigeration Cycle Other than the Four Principle Components
	17.	The Primary Safety Devices of the Refrigerant Cycle
NEW	18.	The Basics of Ventilation: Ventilation Methods and Required Ventilation Volume
Psychrometric Chart	19.	How to read Psychrometric Chart
	20.	Utilization: Mixture of Air
	21.	Utilization: Heating, Humidifying, Cooling, & Dehumidifying
P-h Chart	22.	Introduction to P-h Chart
	23.	P-h Chart and Coefficient of Performance
Basic Work	24.	How to Use Testers and Clamp Meters
	25.	How to Use Megger Testers and Thermometers
	26.	How to Use Gauge Manifolds
	27.	Flaring Procedures
	28.	Procedures for Refrigerant Pipe Bending
	29.	Setting of Acetylene Welders
	30.	Flare Connection and Handling of the Service Ports & Stop Valves
	31.	Vacuum Drying

Available Courses	No.	Course Name	
Basic Work (cont.)	32.	Procedures for Additional Refrigerant Charge (Sky Air)	
	33.	Pump Down Procedures	
	34.	Procedures for Refrigerant Recovery	
	35.	Air Tightness Test	
Test Run	36.	Inspections Prior to Test Run	
	37.	How to Run Test Run Data – Sky Air Edition	
	38.	How to Run Test Run Data – VRV Edition	
Troubleshooting	39.	Wired Remote Controller: How to Use “Inspection” Mode	
	40.	Wireless Remote Controller: How to Use “Inspection” Mode	
	41.	Wired Remote Controller: How to Use the Service Mode	
	42.	Wired Remote Controller: Malfunction Codes	
	43.	Methods of Diagnosing Malfunction Codes: A3 and AF	
	44.	Methods of Diagnosing Malfunction Codes: Malfunction Code: A0 (with related functions)	
	45.	Methods of Diagnosing Malfunction Codes: E3 and JA	
	46.	Methods of Diagnosing Malfunction Codes: E4 and JC	
	NEW	47.	Methods of Diagnosing Malfunction Codes: E6 and J2
	NEW	48.	Methods of Diagnosing Malfunction Codes: C4
UPDATED	49.	Malfunction Diagnosis using Outdoor PCB	
Installation	50.	Pre-Installation Checks	
	51.	Installation Flow and Precautions	
	52.	Examples of VRV Installation Problems (Indoor Units)	
	53.	Key Points of VRV Refrigerant Piping Installation	
	54.	Key Points of Drain Piping Installation (VRV and Sky Air)	
	55.	Remote Control Wiring	
	56.	Overview of VRV Control Wiring and Wiring Precautions	
	57.	Indoor Unit Installation Points	
UPDATED	58.	Key Points for VRV Outdoor Unit Installation	
Product Knowledge	59.	Principles of Reluctance DC Motors	
	60.	Principles of Inverter Control	
	61.	Why are Inverter ACs Energy Efficient?	
	NEW	62.	VRV System Features

Available Courses	No.	Course Name
Product Knowledge (cont.)	63.	Duct Design Procedures for the Ceiling Mounted Built-in Type
	64.	The Basics of Sound
	65.	Soundproofing Plans for AC Equipment
New Refrigerants	66.	Flourocarbons and the Earth's Environment
	67.	Properties of New Refrigerant & Key Points for Use
Customer Satisfaction	68.	Customer Satisfaction for Service Engineer

Take One, Two, or Take Them All!

Contact training@daikinac.com for instructions.

Note: Be sure to select "English-USA" for the language option.

WBT On-Line/On-Demand Course Fees:

- ❖ \$20 / Course
- ❖ \$399 / Full Subscription
- ❖ \$2299/ Bundle of 10 Full Subscriptions – **A 50% Savings!!**

Introducing 250 More Courses in Fall 2012 with the Launch of Daikin AC University's Learning Management System (LMS)!!

WBT & OLOD courses will be included with subscription pricing for the LMS.

Daikin AC reserves the right to make changes at their discretion.
The content in this leaflet is current as of June 2012 and is subject to
change without notice.

Daikin AC (Americas), Inc.
1645 Wallace Drive, Suite 110
Carrollton, TX 75006 USA

TEL: 972-245-1510
FAX: 972-245-1038

CLASSROOM TRAINING

We offer regularly scheduled classes at our Daikin Authorized Training Facilities listed below:

- Carrollton, TX: Daikin AC University
- Irvine, CA: Daikin AC University
- Long Island City, NY: Daikin AC University
- Davie, FL: Daikin-McQuay
- Marietta, GA: Daikin-McQuay
- Greensboro, NC: Hoffman & Hoffman
- New Hudson, MI: Behler-Young
- New Haven, CT: Star Supply
- Woburn, MA: F.W. Webb
- West Caldwell, NJ: Wallwork
- Long Island City, NY: Wallwork
- Memphis, TN: Ewing Kessler

Continental breakfast & lunch is provided in Daikin Authorized training facilities.

Hotel information with Daikin AC rate discounts will be emailed with the class confirmation.

8 HR classes will be completed in one day

16 HR classes will be completed in two days



Class is available for onsite training.



Course is approved for NATE Continuing Education Credits.

PDH/CEU*

Course is approved for Professional Development Hours and in most states for Continuing Education Credit for engineers.

NATE CONTINUING EDUCATION CREDITS



Daikin AC University is pleased to announce that as of January 1, 2012 the following classes have been NATE Certified.

Current NATE Certified Classes:

- ❖ Residential Light Commercial Install & Startup, 1 day course
- ❖ Residential Light Commercial Install & Commissioning, 1 day & 2 day courses
- ❖ Residential Light Commercial Product & Applications, 1 day course
- ❖ Daikin Altherma Install & Commissioning, 1 day course
- ❖ Daikin Altherma Product & Applications, 1 day course
- ❖ Controls Install & Commissioning, 1 day course
- ❖ Controls Product & Applications, 1 day course
- ❖ VRV Product & Applications, 2 day course
- ❖ VRV Install & Commissioning, 1 day & 2 day courses
- ❖ VRV Service & Troubleshooting, 1 day & 2 day courses
- ❖ VRV Service Checker, 1 day course
- ❖ Applications: Selection Tools, 1 day course
- ❖ Lunch & Learns: (Residential/Light Commercial Product)

Daikin AC University is now an approved NATE testing organization!

Contact training@daikinac.com for schedule & location information.

CONTINUING EDUCATION GUIDELINES

Daikin AC University provides a certificate of completion that includes the number of PDH (Professional Development Hours) for all attendees of qualified training courses.

Florida

In the state of Florida, Daikin AC University has been approved as a **provider** of continuing education; specific courses have been approved for continuing education.

Louisiana

In the state of Louisiana, Daikin AC University has been approved as a **provider** of continuing education.

North Carolina

In the state of North Carolina, Daikin AC University has been approved as a **provider** of continuing education for Professional Engineers and Surveyors.

New York (PIE)

In the state of New York, specific courses have been approved for continuing education.

Remaining States

States not listed above currently do not have a Continuing Education requirement. As with all training courses, Daikin AC University requires prior notification of any event that a Certificate of Completion is requested. All Daikin AC University certificates will indicate the Professional Development Hours (PDH) of the course completed.

Professional Development Hours (PDH):

For every hour of (training) time, 1 (one) Professional Development Hour will be given.

ONSITE TRAINING

Onsite training available upon request

Onsite Training

A Daikin authorized trainer provides training at a customer office or training site (not an install job-site) for sales or technical training. Not all classes can be trained on-site. Please contact training@daikinac.com for requests or more details.

Customized classes are available and must be approved by the Training Manager.

Price of the on-site will be determined by the base price plus materials and expediting if necessary.

Current Approved Onsite Classes:


- VRV Install & Commissioning
- VRV Product & Applications
- RLC Install & Commissioning
- RLC Service & Troubleshooting
- RLC Product & Applications
- Daikin Altherma Install & Commissioning
- Daikin Altherma Product & Applications
- Controls Product & Applications
- Controls Integrator Training

Training Location	Base Price	Each Additional Day
Contiguous United States	\$1950	\$750
Hawaii & Alaska	Call for Pricing	Call for Pricing
US Territories	Call for Pricing	Call for Pricing
Canadian Provinces	Call for Pricing	Call for Pricing

VRV TRAINING

From lightweight, yet powerful outdoor units to quiet, elegant indoor units, Daikin[®] systems offer innovative and advanced product features that deliver the optimum in air conditioned comfort and control. Our systems are energy efficient, easy to install, and are designed to fit virtually any environment.

Daikin AC University offers the following classroom training:

- VRV Install & Commissioning
 - VRV Service & Troubleshooting
 - VRV Service Checker
 - VRV Product & Applications
 - Applications: Selection Tools
- 

VRV Install & Commissioning

Course Objectives

- Daikin AC Introduction & history
- Review Piping & R-401A refrigerant
- VRV product and technology
- Review installation procedures
- VRV Controls wiring & DIII Net communications
- Review commissioning procedures
- Hands-on activities & practice

Target Audience

Commercial Contractors, Installation Foremen & Crews, Professional Engineers, Sales, Service Personnel

Duration

16 HR course includes hands-on activities
8 HR course – Lecture only

Class Prerequisites

None, this is an introductory level course

Class Size

Limited to 20 students

Price

8 HR course: \$179
16 HR course: \$229



PDH/CEU*

VRV Service & Troubleshooting

Course Objectives

- Understand basic operation principles at each stage of operation
- Wiring schematics, VRV components
- Demonstrate refrigerant flow software & how to use for diagnostics
- How to trace refrigerant flow
- Learn advanced field settings
- Learn advanced troubleshooting using Daikin Service Checker
- Hands-on activities & practice

Target Audience

Contractors/Dealer & Rep/Distributor who have installed & commissioned Daikin VRV systems.

Duration

16 HR course includes Service Checker training
8 HR course does not include Service Checker training – Lecture only.

Class Prerequisites

VRV Install & Commissioning

Class Size

Limited to 10 students

Price

8 HR course: \$179
16 HR course: \$229

This class is mandatory prior to purchasing a Daikin Service Checker.



PDH/CEU*

VRV Service Checker

Course Objectives

- Learn what a Daikin Service Checker is and what it can do to help diagnose problems with VRV systems
- Learn advanced troubleshooting using the Daikin Service Checker
- How to hook up the Service Checker
- How to export data and convert to a graph for diagnostics
- Hands-on activities & practice

Target Audience

Contractors/Dealer & Rep/Distributor who have installed & commissioned Daikin VRV systems.

Duration

8 HR course with hands-on activities

Class Prerequisites

VRV Install & Commissioning
VRV Service & Troubleshooting

Class Size

Limited to 10 students

Price

8 HR course: \$179

This class is mandatory prior to purchasing a Daikin Service Checker. This class is not needed if you have attended the 16 HR VRV Service & Troubleshooting course.



PDH/CEU*

VRV Product & Applications

Course Objectives

- Daikin AC introduction & history
- The Daikin Difference
- Commercial product line up & features, functions & benefits
- Competitive comparisons & product positioning
- Intro to Daikin controls
- Applications & case studies
- Software selection tools: Xpress, TRL, and EnergyCalc

Target Audience

VRV sales personnel, reps, engineers, architects, and project owners.

Duration

16 HR course

Class Prerequisites

None. This is an introductory level course.

Class Size

Limited to 20 students

Price

16 HR course: \$299

This is not a service course. Attendee will not learn how to install or troubleshoot the unit.



PDH/CEU*

Applications: Selection Tools

Course Objectives

- Review Technical Resource Library (TRL) and how to use
- Review VRV Xpress and how to use
- Review EnergyCalc and how to use
- Hands-on activities & practice

Target Audience

Recommended for manufacturing reps

Duration

8 HR course with hands-on activities

Available upon request at TX training facility.

Class Prerequisites

None. This is an introductory level course.

Class Size

Limited to 20 students

Price

8 HR course: \$179

Must bring laptops with TRL & VRV Xpress software installed.




PDH/CEU*

CONTROLS TRAINING

With Daikin[®]'s super-intelligent, user-friendly system controllers, you can create Absolute Comfort™ quickly and easily. Their advanced functionality and easy-to-read liquid crystal displays (LCDs) allow you to orchestrate and monitor temperature, time, airflow volume and more across your entire system at the touch of button.

Daikin AC University offers the following classroom training:

- Controls Product & Applications
 - Controls Install & Commissioning
 - Controls Integrator
- 

Controls Product & Applications

Course Objectives

- VRV system overview
- Controls product & technology
- Individual zone controllers / changeover master & remote control groups
- Remote controller sensors
- Daikin DIII-Net architecture
- Indoor unit sequence of operation & Integration strategies
- Applications & case studies
- Hands-on activities & practice

Target Audience

Counter or sales personnel, distributors, reps, those new to Daikin controller technology.

Duration

16 HR course

8 HR course available upon request

Class Prerequisites

None. This is an introductory level course.

Class Size

Limited to 10 students

Price

16 HR course: \$299



PDH/CEU*

Controls Install & Commissioning

Course Objectives

- Product introduction
- Installation requirements
- Centralized Controller Startup & Commissioning Procedures
- Theory – 100% Hands On

Target Audience

Contractors/Dealer & Rep/Distributor who will be installing or servicing Daikin Centralized Controls & Gateways.

Duration

16 HR course with second day hands-on using controls simulators– CA only

8 HR course available upon request – CA only

Class Prerequisites

VRV Install & Commissioning
Control Product & Applications

VRV Service & Troubleshooting (recommended)

Recommended to bring laptops to class

Class Size

Limited to 10 students

Price

8 HR course: \$179

16 HR course: \$229

*Daikin training facility in Irvine, CA only.
Coming soon to TX facility.*



PDH/CEU*

Controls Integrator

Course Objectives

- VRV system overview & Daikin DIII-Net architecture
- Individual zone controllers / changeover master & remote control groups
- Remote controller sensors
- Indoor unit sequence of operation
- Multi-zone controllers
- Integration with building management systems – BACnet & Lonworks
- Integration strategies and program

Target Audience

Controls Integrators, distributors, and reps that are involved Daikin controls integration.

Duration

8 HR course

Class Prerequisites

None. This is an introductory level course. Basic integration knowledge recommended.

Class Size

Limited to 15 students

Price

8 HR course: \$179



PDH/CEU*


RESIDENTIAL/LIGHT COMMERCIAL

From our compact, yet powerful outdoor units to our quiet concealed or wall-mounted units, Daikin[®] systems offer the kinds of innovative and unique product features that deliver the optimum in air conditioned comfort and control.

Daikin AC University offers the following classroom training:

- RLC Install & Start Up
- RLC Install & Commissioning
- RLC Service & Troubleshooting
- RLC Product & Applications

*Residential / Light Commercial is abbreviated “RLC” in course descriptions



RLC Install & Start Up

Course Objectives

- Daikin AC Introduction & history
- 4-wire systems product & technology
- Review installation requirements
- Review installation techniques
- Review start up procedures
- Hands-on activities & practice

Target Audience

Contractors, Distributor Inside/Outside Sales,
Service Personnel

Duration

8 HR

16 HR course - this is the first day

Class Prerequisites

None, this is an introductory level course

Class Size

Limited to 20 students

Price

8 HR course: \$179



PDH/CEU*

RLC Install & Commissioning

Course Objectives

- RLC Install & Start Up on the first day
- DIII Net systems product & technology
- Review installation requirements
- Review installation techniques
- Review commissioning procedures
- Hands-on activities & practice

Target Audience

Contractors, Distributor Inside/Outside
Sales, Service Personnel

Duration

16 HR course

8 HR DIII Net Systems only (second day)
available upon request

Class Prerequisites

None, this is an introductory level course

Class Size

Limited to 20 students

Price

16 HR course: \$229



PDH/CEU*

RLC Service & Troubleshooting

Course Objectives

- Review installation & start up basics
- How to use of D-Checker
- Understanding error codes
- Servicing residential equipment
- How to maintain residential equipment
- Best practices for service & troubleshooting
- Hands-on activities

Target Audience

Contractors, Service and Maintenance Personnel.

Duration

8 HR course with hands-on activities

Class Prerequisites

RLC Installation & Start Up (4-wire)

Class Size

Limited to 10 students

Price

8 HR course: \$179

This class is for residential equipment only and does not include light commercial equipment.



PDH/CEU*

RLC Product & Applications

Course Objectives

- Daikin AC introduction & history
- The Daikin Difference
- Product line up, including features, functions & benefits
- Competitive comparisons & product positioning
- Applications and case studies
- VRV Xpress overview
- 3D Dealer program overview

Target Audience

Counter or sales personnel, distributors, reps, any individuals new to Daikin technology.

Duration

8 HR course

Class Prerequisites

None. This is an introductory level course.

Class Size

Limited to 20 students

Price

8 HR course: \$229

This is not a service course. Attendees will not leave with installation or servicing knowledge.



PDH/CEU*

DAIKIN ALTHERMA TRAINING

Daikin Altherma, the home heating solution that connects to underfloor heating, low temperature radiators and fan coil units. Daikin has more than 50 years of experience in the production of air source heat pump systems, manufacturing over a million units a year for residential & commercial applications. Our product innovations provide you with high energy efficiency solutions minimizing the impact on the environment and running costs.

Daikin AC University offers the following classroom training:

- Daikin Altherma Product & Applications
- Daikin Altherma Install & Commissioning

Daikin Altherma Product & Applications

Course Objectives

- Daikin AC introduction & history
- Introduce Daikin Altherma product including features, functions & benefits
- Applications & case studies
- Review installation requirements
- Daikin Altherma system operation & control features and options
- Daikin Altherma accessories overview
- How to select the correct size system using selection software

Target Audience

Contractors, Service and Maintenance Personnel who will be installing or servicing Daikin Altherma systems.

Duration

8 HR course

Class Prerequisites

None, this is an intermediate level course and will be introducing Daikin Altherma an air-to-water heat pump hydronic system. This is not a hydronic course, although basic hydronic considerations are covered.

Class Size

Limited to 20 students

Price

8 HR course: \$229



PDH/CEU*

Daikin Altherma Install & Commissioning

Course Objectives

- Pre-Install planning
- Split installation (Hydro-box/Cond.)
- Mono-bloc installation
- Domestic water tank installation
- Solar option installation
- Daikin fan coil installation
- Water piping planning and design
- Startup & commissioning procedures
- User interface programming
- Daikin Altherma service

Target Audience

Contractors, service and maintenance personnel who will be installing or servicing Daikin Altherma.

Duration

8 HR course

Class Prerequisites

Daikin Altherma Product & Applications (recommended)

Class Size

Limited to 20 students

Price

8 HR course: \$179



PDH/CEU*

GENERAL INFORMATION

Cancellation Policy:

Training fees are not refundable. Should you need to cancel, your paid fees will be transferred to the next available class at no additional charge. Daikin AC University reserves the right to cancel class due to weather, illness, or any other reason. All students will be notified as early as possible and paid fees will be transferred to the next available class at no additional charge.

Confirmations:

Confirmations will be sent via email to the address provided on the registration within two business days. Please include an email address when registering for class.

Registrations:

It is our goal to make the registration process as easy and convenient for you as possible. For this reason, we offer ONLINE registration for all of our classes. Please go to daikinac.com and click on the training tab to get to our home page. You may also use a registration form and submit it to the training department via email to training@daikinac.com or fax 972-245-1038

