

## Thermal Supply's Daikin Training Course Curriculum - 2019



*The ONLY Distributor in the Northwestern United States that brings you in-house training on the entire Family of Daikin Inverter Products. From Ductless Mini-Splits & Unitary Products, to Light Commercial Heat Pump & VRV Heat Recovery Systems, Thermal Supply is here for YOU.*

### **Course Offerings Include:**

[Single/Multi-Zone Installation & Start Up](#)

[Single/Multi-Zone Service & Troubleshooting](#)

[VRV IV-S Installation & Start-Up](#)

[VRV IV Installation](#)

[VRV IV Commissioning](#)

[VRV Service & Troubleshooting Level 1](#)

*Detailed Class Descriptions, Costs and Calendar Dates on Following Pages*

To Sign-up or for Questions - Contact Kim Becker - [kbecker@thermalsupply.com](mailto:kbecker@thermalsupply.com) - (253) 235-0599



## Single/Multi-Zone Installation & Start Up

**Course ID:** RIS008

**Prerequisites:** None

**Course Description:** Students will be able to properly install and start up Daikin Ductless systems using preferred servicing equipment and procedures.

Course includes an introduction to the offered product lines, while thoroughly covering piping and wiring rules for each system family.

Students will participate in hands-on exercises to practice with the tools and controls recommended for use by Daikin.

Upon completion of this course, students will know the proper techniques for installation, as well as correct start up procedures to ensure a fully operational Ductless 4-wire system.

**Course Length:** 1-Day (Classes begin at 8:30am and end at 4:30pm Local Time)

**Course Cost:** \$100

**Course Includes:**

- Breakfast and Lunch
- Training Books & Materials
- Certificate of Completion

**Course Locations:**

- Thermal Supply Fife Washington
- Thermal Supply Spokane Washington
- Seasonal Mobile Locations

**Course Instructors:**

- Eric Baker

**Attendance Cap:**

- 12 Students per class

**Additional Notes:**

- All Classes require attendees to wear closed toe footwear.
- Laptops are not required for this course.



## Single/Multi-Zone Service & Troubleshooting

**Course ID:** RST008

**Prerequisites:** None

**Course Description:** Course covers how to properly service and troubleshoot the Daikin Ductless System.

Course includes a detailed overview of the basic operation and controls principles used by Daikin systems.

Students will participate in hands-on exercises to inspect and diagnose systems, using tools exclusive to Daikin such as D-Checker & DC Fan Motor Checker.

Upon completion of this course, students will better understand how an inverter system operates and be able to apply that knowledge to diagnose problematic systems.

**Course Length:** 1-Day (Classes begin at 8:30am and end at 4:30pm Local Time)

**Course Cost:** \$100

**Course Includes:**

- Breakfast and Lunch
- Training Books & Materials
- Certificate of Completion

**Course Locations:**

- Thermal Supply Fife Washington
- Thermal Supply Spokane Washington
- Seasonal Mobile Locations

**Course Instructors:**

- Eric Baker

**Attendance Cap:**

- 12 Students per class

**Additional Notes:**

- All Classes require attendees to wear closed toe footwear.
- Laptops are not required for this course.



## VRV IV-S Installation & Start-up

**Course ID:** VRVKPI04

**Prerequisites:** None

**Course Description:** Course covers how to properly install and start up the Daikin VRV IV-S system.

Course includes an overview of the offered VRV IV-S Single Phase products, while thoroughly covering the different piping and wiring rules.

Students will participate in hands-on exercises to practice with the tools and controls recommended for use by Daikin.

Upon completion of this course, students will know the proper techniques for installation, as well as correct start-up procedures to ensure a fully operational VRV IV-S.

**Course Length:** 1-Day (Classes begin at 8:30am and end at 4:30pm Local Time)

**Course Cost:** \$100

**Course Includes:**

- Breakfast and Lunch
- Training Books & Materials
- Certificate of Completion

**Course Locations:**

- Thermal Supply Fife Washington
- Thermal Supply Spokane Washington

**Course Instructors:**

- TBD

**Attendance Cap:**

- 12 Student s per class

**Additional Notes:**

- All Classes require attendees to wear closed toe footwear.
- Laptops are not required for this course.



## VRV IV Installation

**Course ID:** VRVIVL1

**Prerequisites:** None

**Course Description:** This course covers the proper installation practices for the Daikin VRV IV indoor and outdoor heat pump and heat recovery systems and accessories.

Course includes an overview of the offered VRV IV products, while thoroughly covering the unique piping and wiring rules of the Commercial Systems.

Students will participate in hands-on exercises to practice with the tools and controls recommended for use by Daikin.

Upon completion of this course, students will know the proper techniques for correct installations of VRV IV Commercial Heat Pump and Heat Recovery Systems.

**Course Length:** 1-Day (Classes begin at 8:30am and end at 4:30pm Local Time)

**Course Cost:** \$100

**Course Includes:**

- Breakfast and Lunch
- Training Books & Materials
- Certificate of Completion

**Course Locations:**

- Thermal Supply Fife Washington

**Course Instructors:**

- TBD

**Attendance Cap:**

- 12 Students per class

**Additional Notes:**

- All Classes require attendees to wear closed toe footwear.
- Laptops are not required for this course.



## VRV IV Commissioning

**Course ID:** VIV008

**Prerequisites:** None

(VRV IV Installation is Recommended before taking VRV IV Commissioning)

**Course Description:** This course covers the proper practices for the Daikin VRV IV equipment product line to include the pre-commissioning and System Commissioning Steps, set up of Selected Remote Controller and Outdoor Unit Field Settings, Outdoor Unit with Ducted Discharge Air & Indoor Unit.

Course includes a review of VRV IV Controllers, Daikin's D3net communication architecture, and unique start-up sequences proprietary to Daikin VRV IV.

Students will participate in hands-on exercises to perform a VRV IV Start-up and Commission Field Settings.

Upon completion of this course, students will know the proper procedures for correct commissioning of VRV IV Commercial Heat Pump and Heat Recovery Systems.

**Course Length:**

- 2-Day (Classes begin at 8:30am and end at 4:30pm Local Time)

**Course Cost:**

- \$200

**Course Includes:**

- Breakfast and Lunch
- Training Books & Materials
- Certificate of Completion

**Course Locations:**

- Thermal Supply Fife Washington

**Course Instructors:**

- TBD

**Attendance Cap:**

- 12 Students per class

**Additional Notes:**

- All Classes require attendees to wear closed toe footwear.
- Laptops are not required for this course.



## VRV Service & Troubleshooting Level 1

**Course ID:** VRVST2

**Prerequisites:** Requires completion of VRV Installation and VRV Commissioning courses.

**Course Description:** Course covers how to properly service and troubleshoot the Daikin VRV system using the proper instruments and procedures.

Course includes an overview of VRV Basic Operation, Service Manual navigation, and how to recognize & trouble shoot system abnormalities.

Students will participate in rigorous hands-on exercises using error code abnormalities, and tools required to spot problems that don't generate errors in the system. Upon completion of this course, students will be able to evaluate system performance for problems, troubleshoot error codes, and use Service Checker data to spot non-error generating abnormalities.

**Course Length:**

- 2-Days (Classes begin at 8:30am and end at 4:30pm Local Time)

**Course Cost:**

- \$200

**Course Includes:**

- Breakfast and Lunch
- Training Books & Materials
- Certificate of Completion

**Course Locations:**

- Thermal Supply Fife Washington

**Course Instructors:**

- TDB

**Attendance Cap:**

- 12 Students per class

**Additional Notes:**

- All Classes require attendees to wear closed toe footwear.
- Laptops are not required for this course.