



# Daikin Residential Technical Training



# Welcome to Daikin North America Training

Daikin delivers design, applications, and product specific training for the entire line of residential, light commercial and commercial equipment we manufacture.

## Daikin University

Daikin University offers industry-leading training programs for heating, ventilation and air conditioning (HVAC) professionals, owner/operators, contractors, service technicians, building and systems engineers, designers, distributors, sales reps and internal employees. Daikin technical training will help to ensure proper installations, reducing costly service call backs and misdiagnosing system problems. Additionally, it delivers hands-on skills training your employees can put to use immediately and will educate your organization on new technologies and solutions that will be beneficial to your company. Training increases employees' morale, sense of value and presents them with opportunities to network and collaborate with others.



Listed courses are NATE approved for continuing education credits.

### CLASSROOM TRAINING

#### Daikin Corporate Training Facilities:

- Daikin University DTTT ..... Waller, TX
- Daikin University CA ..... Irvine, CA
- Daikin University NY ..... Lynbrook, NY
- Daikin University MA ..... Woburn, MA
- Daikin University CAN ..... Burnaby, B.C., Canada
- Daikin University CAN ..... Markham, Ontario, Canada

## Course Registration



For a complete course listing, training schedule and course details please scan the QR Code to the left or go to [daikincity.com/#trainingcenter](http://daikincity.com/#trainingcenter). For additional support contact Technical Training at [TechnicalTraining@daikincomfort.com](mailto:TechnicalTraining@daikincomfort.com).

# Instructor-led Technical Training Courses



The following Instructor-led training is NATE approved

| Course Code | Course Name   | Length | Course Description   |
|-------------|---|--------|--|
| CC-9w       | R32 Refrigerant Training  | 2 hrs  | Module covers the chemical properties, safe handling, transport and storage of R-32 refrigerant  |
| TD-7        | Ductless Installation & Start Up  | 8 hrs  | This course covers properly install and start up Daikin Ductless systems using preferred servicing equipment and procedures.   |
| TD-10       | Ductless Service & Troubleshooting  | 8 hrs  | This course covers properly install and start up Daikin Ductless systems using preferred servicing equipment and procedures.   |
| TD-12       | <i>SkyAir</i> Installation & Start Up   | 8 hrs  | This course covers proper installation and commissioning of <i>SkyAir</i>  |
| TD-13       | <i>SkyAir</i> D-Checker Data Analysis   | 4 hrs  | This course covers proper service and troubleshooting of the Daikin <i>SkyAir</i> system using the Bluetooth D-Checker.  |
| TRC-3       | Daikin <i>One+</i> Installation & Commissioning                               | 2 hrs  | This course covers installation, setup, and navigation of the Daikin <i>One+</i> thermostat. Additionally, covers pairing the mobile app with the Daikin <i>One+</i> to control the thermostat remotely.   |
| TRC-4w      | Daikin <i>One+</i> Installation & Commissioning (S21)                         | 2 hrs  | This course covers installation, setup, and navigation of the Daikin <i>One+</i> thermostat (S21). Additionally, covers installation of the translation adapter and pairing the mobile app with the Daikin <i>One+</i> to control the thermostat remotely.   |
| TRF-5       | Daikin 80% Furnace Installation & Commissioning                               | 2 hrs  | Explain and identify components operation and proper practices associated with the Installation and Commissioning of Daikin 80% gas furnaces.  |
| TRF-7       | Daikin 90+ Furnace Installation & Commissioning                               | 4 hrs  | This course covers applications, install and commissioning techniques for the DM96VE and DM96VC AFUE high efficiency gas furnaces.   |
| TRF-8       | Daikin 90+ Furnace Service & Troubleshooting                                  | 4 hrs  | This course covers service and troubleshooting techniques for the DM96VE and DM96VC AFUE high efficiency gas furnaces.   |
| TRH-4       | Daikin 1&2 Stage Air Conditioners and Heat Pumps Installation & Commissioning | 2 hrs  | This course covers the installation and pre-installation instructions for the Daikin single and two-stage heat pump units. The installation, charging, start-up, defrost settings, and commissioning procedures are covered.   |
| TRH-5       | Daikin 1&2 Stage Heat Pumps Service & Troubleshooting                         | 2 hrs  | This course covers the service and troubleshooting instructions for the Daikin single and two-stage air conditioning units. It covers specific troubleshooting instructions for the contactor, two-stage board relay, high and low pressure controls, compressor, fan, unloader, capacitor, and solenoid.  |
| TRL-1       | Daikin DVPEC Air Handler Unit   | 4 hrs  | This course covers installation and commissioning, and service and troubleshooting instructions for the new Daikin DVPEC air handler. The install and commissioning covers high and low voltage wiring, heater kit selection and installation, emergency mode dip switch settings, installation orientation options, coil removal procedures, and fan motor orientation. |
| TRP-3       | Daikin ResPac AC & HP Installation & Commissioning                            | 3 hrs  | Learner will be able to successfully identify, describe, and demonstrate general and specific aspects of the installation and commissioning of Daikin Air Conditioning and Heat Pump Package Units.  |
| TRV-1       | Residential Inverters   | 4 hrs  | This course covers products and technology, installation and commissioning for the Daikin residential inverter air conditioning units. Topics covered include nomenclatures, unit features, inverter technology and components, inverter benefits, compatibility, set-up and configurations.   |
| TRV-3       | Daikin <i>FIT</i> Installation & Commissioning                                | 8 hrs  | This course covers products and technology, installation, and commissioning for the Daikin <i>FIT</i> units. Topics covered include nomenclatures, unit features, inverter technology and components, inverter benefits, some troubleshooting, compatibility, set-up, charge mode, start-up, and the required system test and configurations.                            |
| TRV-4       | Daikin <i>FIT</i> Service & Troubleshooting                                   | 2 hrs  | Learner will be able to successfully identify and explain specific aspects of servicing & troubleshooting of the Daikin <i>FIT</i> Air Conditioner and Heat Pump.  |
| TRV-5       | Daikin <i>FIT</i> D-Checker Data Analysis                                     | 4 hrs  | This course covers proper service and troubleshooting of the Daikin <i>FIT</i> system using the Bluetooth D-Checker.   |

# A/C Fundamentals

There are numerous modules in this series. Each module will cover a specific HVAC subject such as Refrigeration Cycle; Evacuation; Charging; etc. The modules are designed to be instructor led or self-study via Daikin University. They may be taught or taken as individual modules in any sequence to meet the needs of the learner.

| Course Code | Course Name                        |
|-------------|------------------------------------|
| TF-1        | HVAC Physics, Concepts and Theory  |
| TF-1.5      | Basic Refrigerant Cycle            |
| TF-2        | Refrigerant Tools                  |
| TF-3        | Refrigerant Metering Devices       |
| TF-4        | Superheat and Subcooling           |
| TF-5        | HVAC System Diagnosis Fundamentals |
| TF-6        | Refrigerant Piping                 |
| TF-7        | Compressors                        |
| TF-8        | Proper Refrigerant Recovery        |
| TF-9        | Proper System Evacuation           |
| TF-10       | System Charging Techniques         |
| TF-11       | Burnout Clean Up                   |
| TF-12       | Understanding Airflow              |
| TF-13       | Basic Electrical Principles        |
| TF-4        | Gas Heating Fundamentals           |
| TF-30       | Inverter Technology                |



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