



# SiteLine™ from Daikin Building Controls

**OM 1346**

Group: **Controls**

Part Number: **1346**

Date **August 2022**

## VRV Application Overview

### Easy Retrofit, Direct Replacement VRV Solution Without Additional Power Supply Required

The Daikin SiteLine™ Wireless VRV controller and Wireless Communicating Thermostat are a wireless all-in-one thermostat, humidistat and IAQ sensing station for Daikin VRV Indoor Units and other packaged HVAC equipment types. They bring VRV IDU and HVAC equipment data online via a central gateway for secure remote management from any smartphone or connected device. Occupants can make temperature adjustments within predefined limits or adjust fan settings from either the controller or the Occupant App.

#### Features

- VRV Controller is native Daikin P1P2 protocol control of IDUs with existing two-wire interface
- Thermostat is compatible with all other OEM two-stage and analog equipment types
- Plug-and-Play capable with packaged profiles for staged and modulating equipment
- Home-run-free wireless communications to building gateway
- Compatible with Daikin SiteLine™ VAV and DOAS controls

#### Benefits

- Integrate both Daikin and non-Daikin equipment including central plant
- Simple and affordable out-of-the-box setup with built-in analytics
- Proven solution with real-time remote maintenance and Daikin factory expertise and support
- Incorporates indoor and outdoor air quality and ventilation control

## Why Daikin SiteLine™ Wireless?

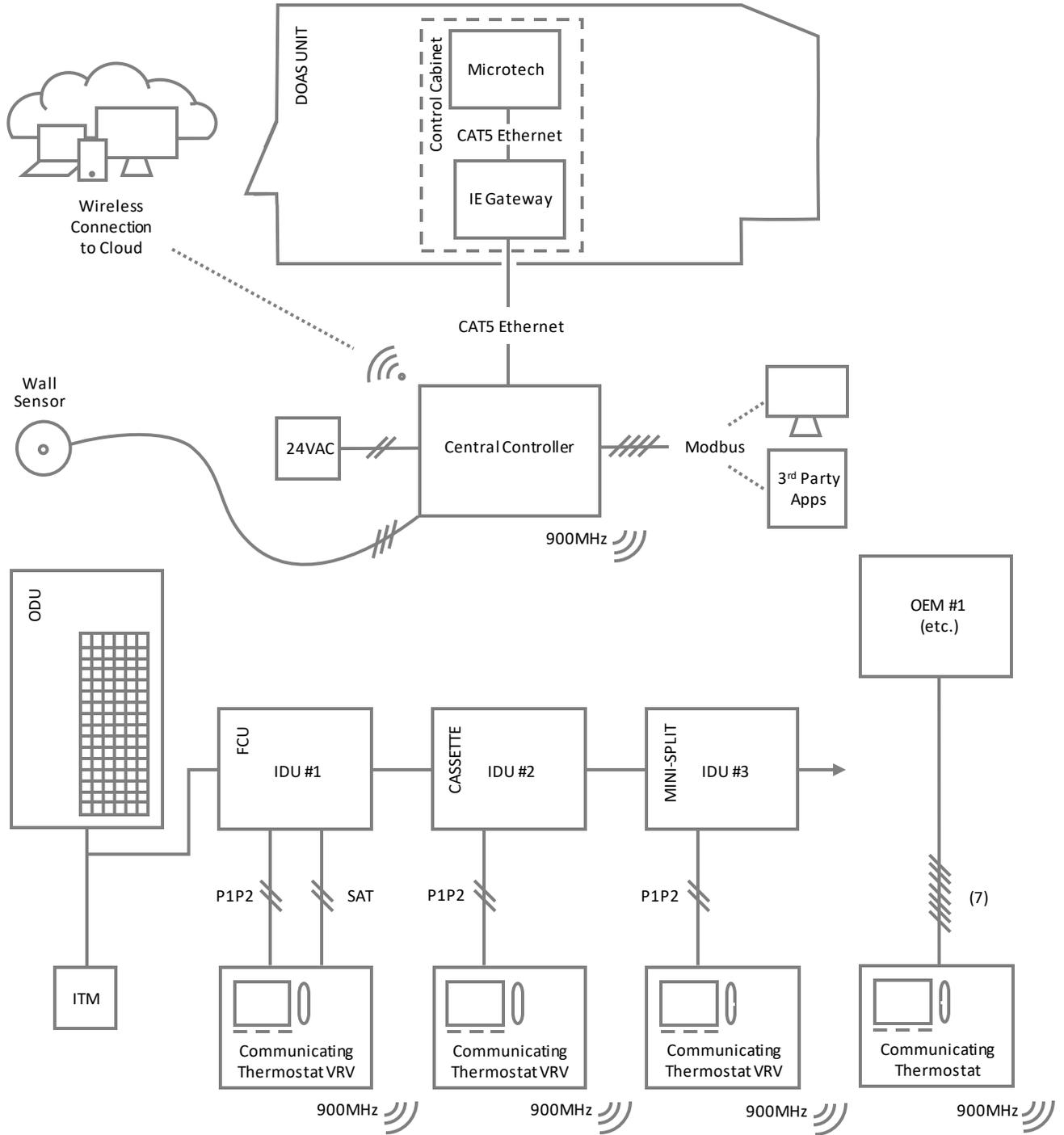
Get essential, Daikin native P1P2 protocol access to VRV IDUs, plus control options for all other manufacturers and equipment types in a single, industry-leading IoT BMS.

Daikin SiteLine™ Wireless VRV Controllers include P1P2 native protocol control over two wires for fast and simple installations and retrofits. The Wireless Communicating Thermostat looks identical but supports two-stage and analog controls of any other packaged HVAC equipment with YGW relay terminals. Both include a full range of onboard sensors. Add Daikin SiteLine™ Wireless VAV or DAB to the same user interface and get control of the entire building portfolio.

VRV Controllers and Thermostats do not require home-run networking to the Central Controller gateway. They automatically establish a robust 900 Mhz mesh network for reliable communication with the building gateway.

# SiteLine™ VRV Application with Indoor Units

With all IDUs controlled by Communicating Thermostats VRV and other OEM equipment controlled by Communicating Thermostats



Daikin SiteLine™ VRV Controllers install and continuously commission without programming or networking. Whether you're overseeing multiple facilities or a single property, you can enjoy the power of cloud-based machine learning algorithms and predictive models and access the insights and tools you need to monitor energy consumption while optimizing for equipment performance and reducing maintenance costs across your portfolio, automatically.

## SiteLine™ VRV Controller Points List

Daikin VRV Indoor Unit	
Read	Write
Master Controller status	Mode (heating, cooling, fan, dry)
Filter status	Fan speed (up to 5 speeds and Auto)
Error type	Airflow direction
Error code	Temperature set point
Teleco status	Humidity set point
Field settings	Master Controller set
TH Data	Test operation
R/C Temperature	Centralized Address
Zone Temperature	IDU Airnet Address
Zone Relative Humidity	ODU Airnet Address
Zone CO2	AO1
Zone VOC	AO2
Zone Light intensity	Relay1
Zone Sound intensity	Relay2
Zone Occupancy	

Generic HVAC Equipment	
Read	Write
DAT	Cooling Stage 1-2
Status (optional when CT is installed)	Fan Stage 1-2
Remote temperature	Heating Stage 1-2
Supply water temp (FCUs)	Humidistat Control (wet contact)
Zone Temperature	AO1
Zone Relative Humidity	AO2
Zone CO2	AO3
Zone VOC	
Zone Light intensity	
Zone Sound intensity	
Zone Occupancy	
Zone PM 2.5 (optional)	



### ***Daikin Applied Training and Development***

Now that you have made an investment in modern, efficient Daikin equipment, its care should be a high priority. For training information on all Daikin HVAC products, please visit us at [www.DaikinApplied.com](http://www.DaikinApplied.com) and click on Training, or call 540-248-9646 and ask for the Training Department.

### ***Warranty***

All Daikin equipment is sold pursuant to its standard terms and conditions of sale, including Limited Product Warranty. Consult your local Daikin Applied Representative for warranty details. To find your local Daikin Applied Representative, go to [www.DaikinApplied.com](http://www.DaikinApplied.com).

### ***Aftermarket Services***

To find your local parts office, visit [www.DaikinApplied.com](http://www.DaikinApplied.com) or call 800-37PARTS (800-377-2787). To find your local service office, visit [www.DaikinApplied.com](http://www.DaikinApplied.com) or call 800-432-1342.

This document contains the most current product information as of this printing. For the most up-to-date product information, please go to [www.DaikinApplied.com](http://www.DaikinApplied.com).

Products manufactured in an ISO Certified Facility.