



ΔIDOO

**Plug & Play Integration
for Inverter Units (Mini splits & VRF)**

RESIDENTIAL APPLICATIONS

What is Aidoo?



Aidoo is Airzone's range of plug & play gateways for climate control integration. Aidoo gateways enhance connectivity and control of Inverter (mini split & VRF) HVAC units, while preserving functionality.

Integration aims to centralize control of different technologies for seamless communication and efficient operation. Due to complex communication protocols, HVAC systems are among the most challenging to integrate, but thanks to Aidoo, integrating HVAC units becomes a breeze.

SUITABLE FOR INDIVIDUAL INDOOR AC UNITS



Consoles



Cassettes



Ducted AC units



Mini split units



Vertical & Multipositional Units AHUs



Chilled water fan coils



Heat pumps



Plug & Play: Quick and simple 1:1 integration solution with no programming required



Flexibility: Ideal for new and retrofit installations



Remote Control: Enhanced control and access from anywhere



Efficiency: Optimizes energy use while streamlining maintenance



Increased Profitability: Simplifies integration and boosts project efficiency

HVAC

200+

COMPATIBLE
HVAC BRANDS

DAIKIN LG

FUJITSU MITSUBISHI ELECTRIC

SAMSUNG Alidea GREE

TOSHIBA Panasonic HITACHI Hisense



IOT

40+

INTEGRATION
OPTIONS

ecobee nest

Honeywell Home Control4

CRESTRON OLUTRON SAVANT

Nest ELAN WAC ABB

WITH AIDOO YOU CAN...



Integrate climate control
into Home Automation
Systems



Remotely manage
and control your Inverter
(mini split & VRF) units



Add voice control
to your HVAC units



Connect smart
thermostats
to Inverter units while
preserving complete
functionality

WHAT MAKES AIDOO STAND OUT FROM ITS COMPETITORS?

- ✓ **Bi-directional Communication:** Aidoo not only sends commands to the HVAC unit, but also receives confirmation of their execution and reads unit error codes, ensuring precise and reliable system status updates.
- ✓ **Certified Manufacturer Protocols:** Aidoo communicates with the AC unit using its original protocol, ensuring full compatibility, functionality, and precise control.
- ✓ **Wired Connection to the Indoor Unit:** Aidoo is wired directly to the AC unit, offering a much more robust and consistent connection than infrared (IR) controllers.

Climate Control Connectivity: The Airzone Cloud App

Airzone Cloud App is the interface that connects HVAC to the digital world. With the Airzone Cloud mobile app, users have full control over their indoor climate, while professionals can efficiently manage installations anytime, anywhere.

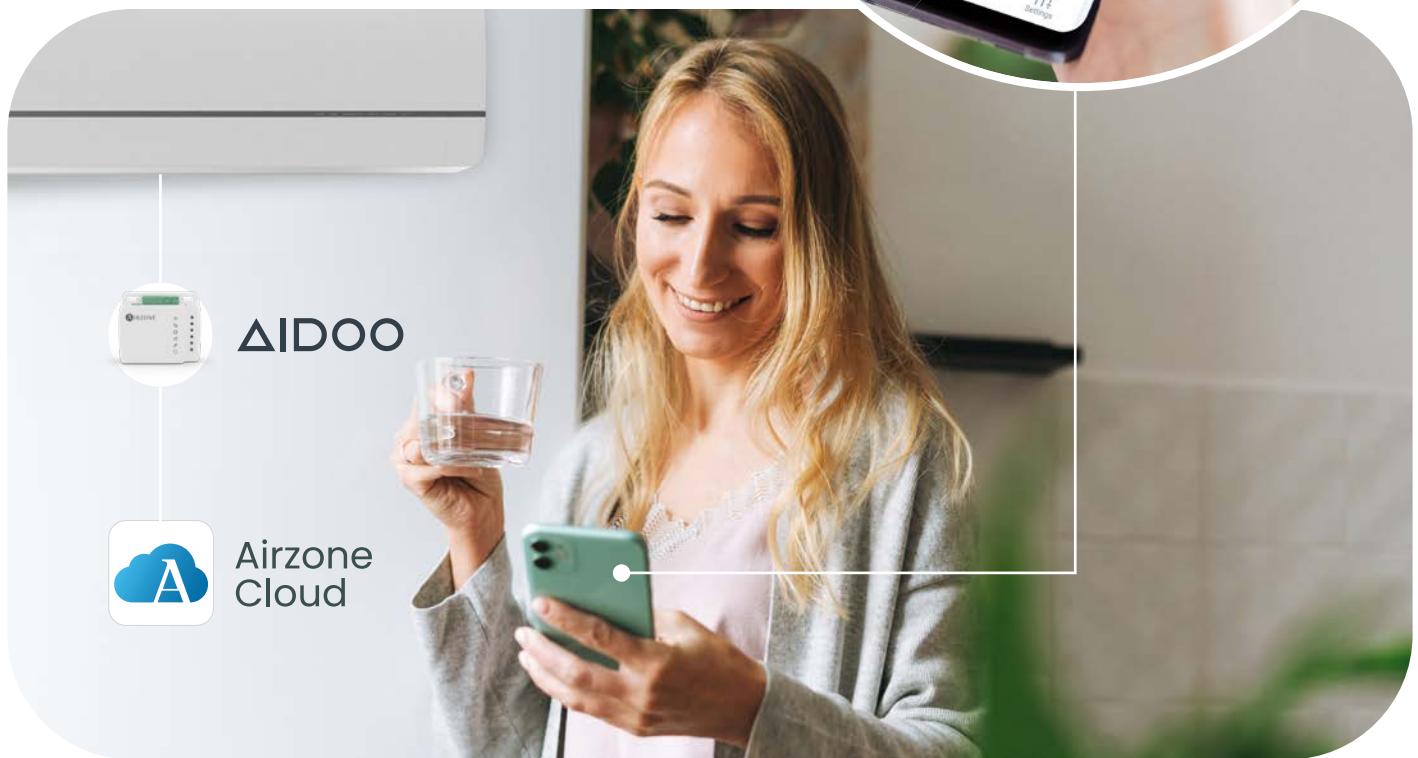
- Remote temperature adjustment
- Time/ Mode scheduling
- Multi brand control from one app
- Reading of indoor unit warnings and errors
- Time-temperature monitoring

Available for

Aidoo Wi-Fi
Aidoo Pro family



« Explore the
Airzone Cloud App Demo
Android and iOS

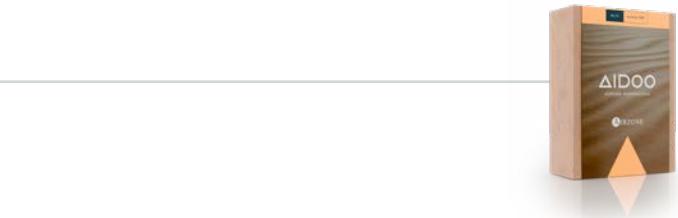


The Aidoo Family

INTEGRATION FOR BASIC CONNECTIVITY

Aidoo Wi-Fi

Smartphone, computer, and voice control for your Inverter (mini split & VRF) units.

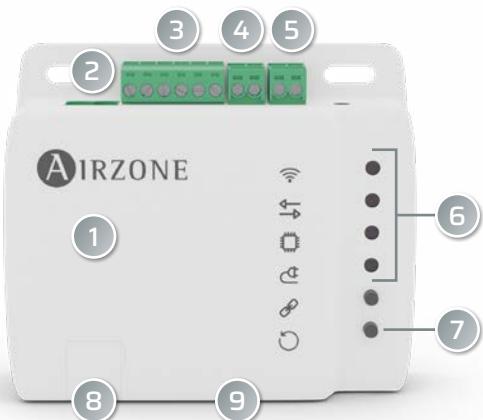


THE AIDOO PRO FAMILY

INTEGRATION FOR OPEN PROTOCOLS (BACNET, MODBUS & DRIVERS)

Aidoo Pro DX

Our most advanced option for Plug & Play Home Automation integration for Inverter (mini split & VRF) units.



Aidoo Pro Smart Thermostat Interface (STI) NEW

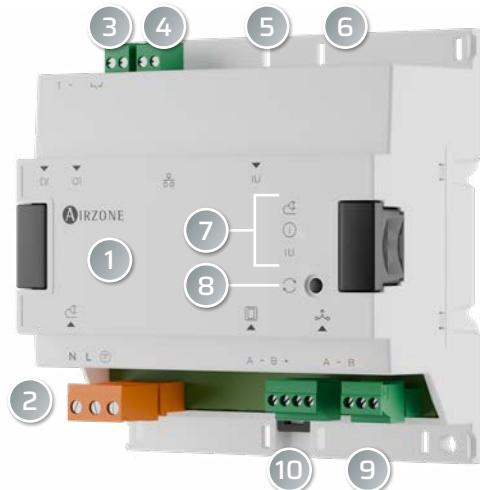
Streamlined Smart thermostat integration for Inverter (mini split & VRF) units.



1. Dual Wi-Fi (2.4/ 5 GHZ)
2. Power Supply: 24VAC (Uses the field supplied smart thermostat power Supply)
3. Smart thermostat Connection
4. Auxiliary Heat Relay
5. Digital input
6. Status LEDs
7. Reset
8. RS-485 Integration Port (Modbus RTU, BACnet MS/TP)
9. Indoor Unit communication Port

Aidoo Pro HUB NEW

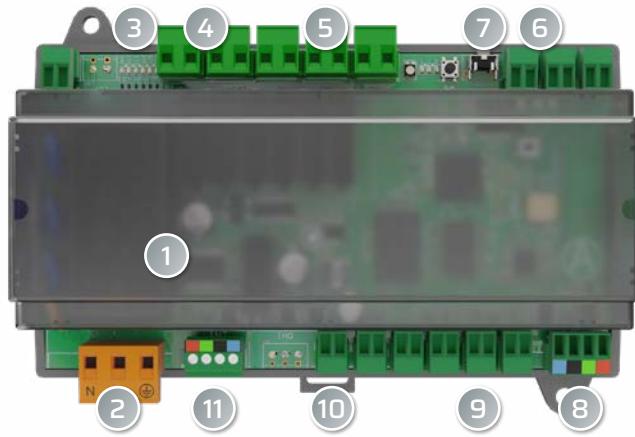
All the benefits of our Aidoo Pro system for Inverter (mini split & VRF) units, now with the added convenience of a **wired Ethernet port** for reliable, cabled installations.



1. Dual Wi-Fi (2.4/ 5 GHZ)
2. Power Supply: 230/110V
3. Digital input
4. Auxiliary Heat Relay
5. Ethernet Port
6. Indoor Unit Communication Port
7. Status LEDs
8. Reset
9. RS-485 Integration Port (Modbus RTU, BACnet MS/TP)
10. Airzone port (Blueface Thermostat)

Aidoo Pro Fan Coil NEW

Aidoo Pro Fancoil allows you to transform analog chilled water fan coil units into modern climate control devices by adding the Airzone Bluface Thermostat and the Airzone Cloud App, making it ideal for retrofits and new installations alike.



1. Dual Wi-Fi (2.4/ 5 GHZ)
2. Power Supply: 230/110V
3. Status LEDs
4. Cooling / heating mode
5. Three-speed fan control
6. Cooling / heating mode 0-10V
7. Reset
8. Airzone port (Blueface Thermostat)
9. Open window / occupancy sensor, and Eco mode activation
10. Temperature probe
11. RS-485 Integration Port (Modbus RTU, BACnet MS/TP)



INTEGRATION FOR CLOSED PROTOCOLS

Complete integration for Inverter (mini split & VRF) units with **KNX, Z-Wave or Zigbee** protocols.

Aidoo KNX



1. KNX Bus Connection
2. Digital inputs
3. Status LEDs
4. KNX Configuration
5. Reset
6. Indoor Unit Communication Port

Aidoo Z-Wave



1. Z-Wave Technology
2. Status LEDs
3. Pairing/ Configuration with the Z-Wave HUB
4. Reset
5. Indoor Unit Communication Port
6. Integration Port (Modbus RTU)

Aidoo Zigbee



1. Zigbee Technology
2. Status LEDs
3. Pairing/ Configuration with the Zigbee HUB
4. Reset
5. Indoor Unit Communication Port
6. Integration Port (Modbus RTU)

Integration options

	Direct Expansion	Chilled Water fan coil
BACnet MS/TP	Aidoo Pro DX Aidoo Pro STI Aidoo Pro Hub	Aidoo Pro Fan Coil
BACnet IP	Aidoo Pro DX Aidoo Pro STI Aidoo Pro Hub	Aidoo Pro Fan Coil
Modbus RTU	Aidoo Zigbee Aidoo Z-Wave Aidoo Pro DX Aidoo Pro STI Aidoo Wi-Fi	Aidoo Pro Fan Coil
Modbus TCP	Aidoo Pro DX Aidoo Pro STI Aidoo Pro Hub	Aidoo Pro Fan Coil
KNX	Aidoo KNX	-
API Cloud	Aidoo Pro DX Aidoo Pro STI Aidoo Pro Hub	Aidoo Pro Fan Coil
API Rest	Aidoo Pro DX Aidoo Pro STI Aidoo Pro Hub	Aidoo Pro Fan Coil
Zigbee	Aidoo Zigbee	-
Z-Wave	Aidoo Z-Wave	-

Integration options

BACnet MS/TP | BACnet IP | Modbus RTU | Modbus TCP

{REST:API}   

Drivers

Control4  SAVANT 
   
 Schneider 

Check Aidoo compatibility
for your unit >>





Practical Residential Uses of Aidoo



SINGLE FAMILY HOMES | CASE 1



Effortless Retrofit for Smart Control

Most Inverter (mini split & VRF) units lack built-in smart capabilities, which is frustrating for homeowners. Aidoo Wi-Fi is the perfect brand agnostic solution for those looking to upgrade their HVAC units with remote control. Easy to install and compatible with the Airzone Cloud app and voice control, Aidoo Wi-Fi is the ideal starting point for professionals seeking a straightforward way to add smart connectivity to their offering, without having to learn different products for different manufacturers.

The Hanson Rental Home | Phoenix, Arizona



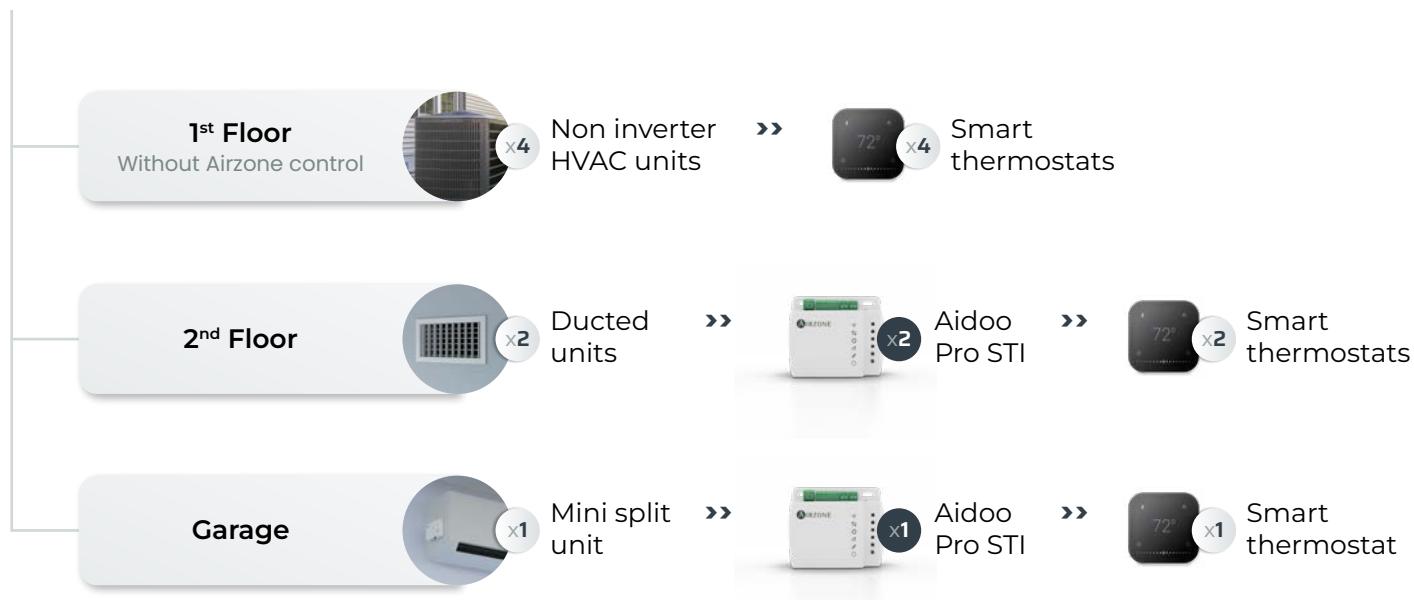
SINGLE FAMILY HOMES | CASE 2



Smart Thermostat Integration for Inverter Units

Most smart thermostats aren't natively compatible with Inverter HVAC systems, limiting whole home control and efficiency. Aidoo Pro STI solves this problem by integrating smart thermostats with Inverter (mini split & VRF) units while preserving all their energy-efficient functionalities, making it the perfect solution for homeowners upgrading to smart HVAC control. Aidoo Pro STI simplifies installation and optimizes performance.

The Jones' Home | San Diego, California



SINGLE FAMILY HOMES | CASE 3

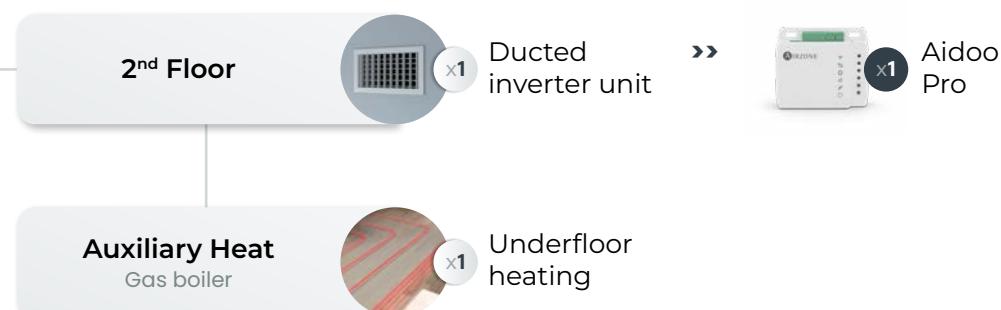


Optimized Heating for Cold Climates

In cold regions where temperatures can drop drastically, maintaining efficient heating is essential. Aidoo Pro optimizes comfort and efficiency by managing auxiliary heat sources in combination with Inverter (mini split & VRF) units. When outdoor temperatures fall below a set threshold, Aidoo Pro automatically switches the heat pump to an alternative heat source, such as electric resistance or gas, ensuring uninterrupted warmth. Once temperatures rise, the system reactivates the heat pump to maximize energy efficiency, providing a cost-effective and reliable heating solution for housing in cold climates.

Lodges The Marshall's Ski Lodge | Aspen, Colorado

Single family home, 2 bedrooms, kitchen, living room, dining room, all with traditional (non inverter) HVAC control



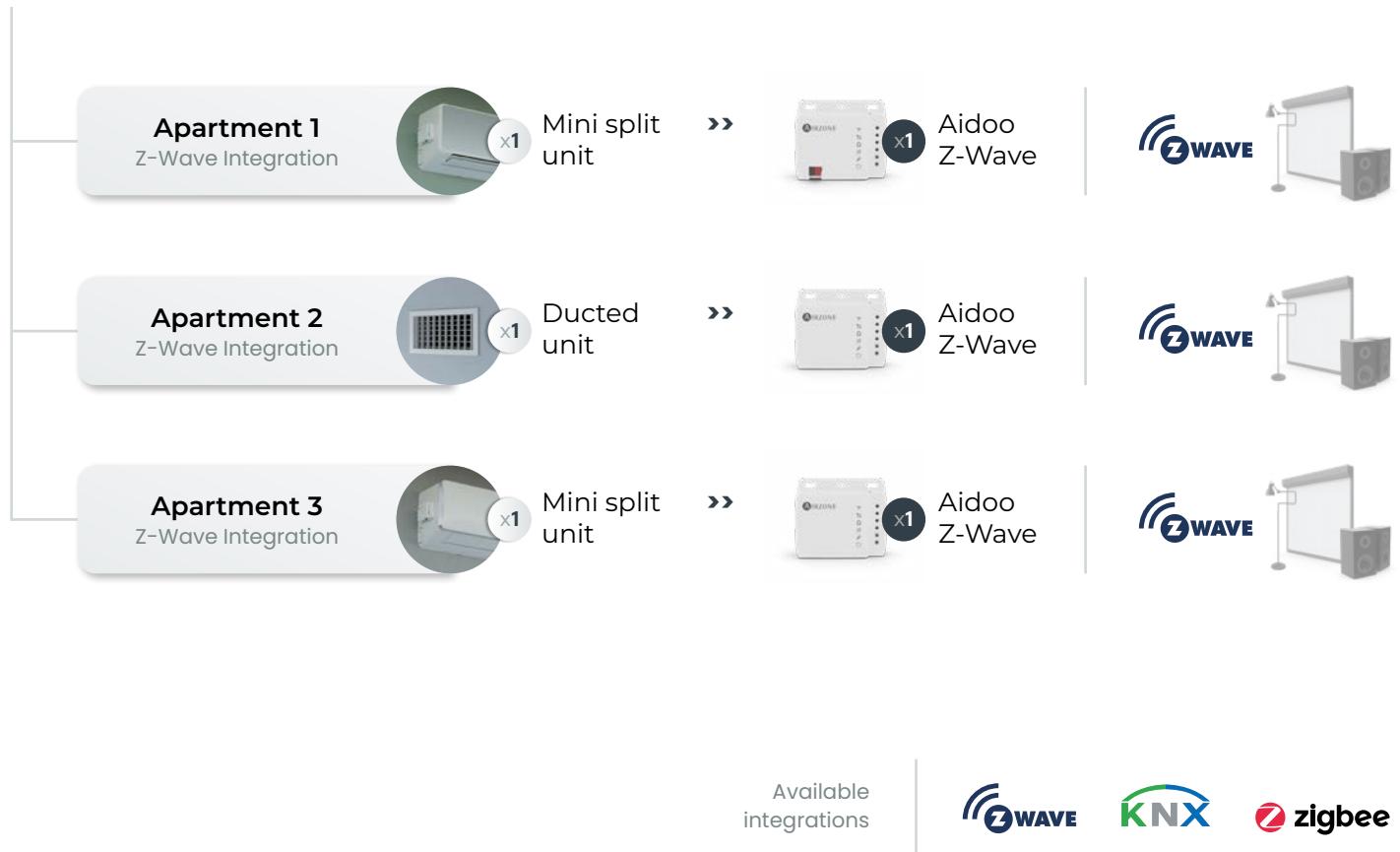
MULTI DWELLING UNITS & APARTMENTS



Total Control for Closed Protocol Integration

In multi-dwelling buildings, the property management systems often rely on a specific closed communication protocol to streamline all the different smart appliances into one harmonious network, but often the HVAC system remains un-integrated. The Aidoo KNX, Zigbee, and Z-Wave Gateways are the easiest way to add Inverter (mini splits & VRF) units into these closed protocol environments.

HAVEN Apartments & Studios



LUXURY HOMES



Seamless Integration for Luxury Home Automation

In high-end residences, homeowners expect the best, and that includes integrated climate control on their preferred home automation platform, maintaining the aesthetic and technological harmony of their smart home. Aidoo Pro enables compatibility with leading smart home ecosystems such as Lutron and Crestron.

The Milston Miami Mansion | Miami, Florida



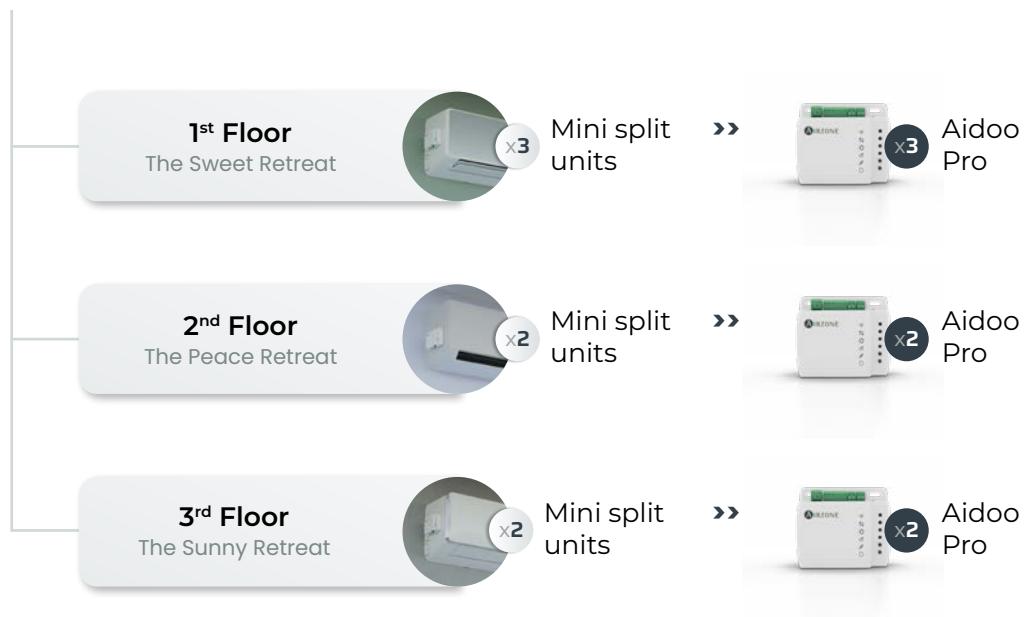
VACATION RENTALS

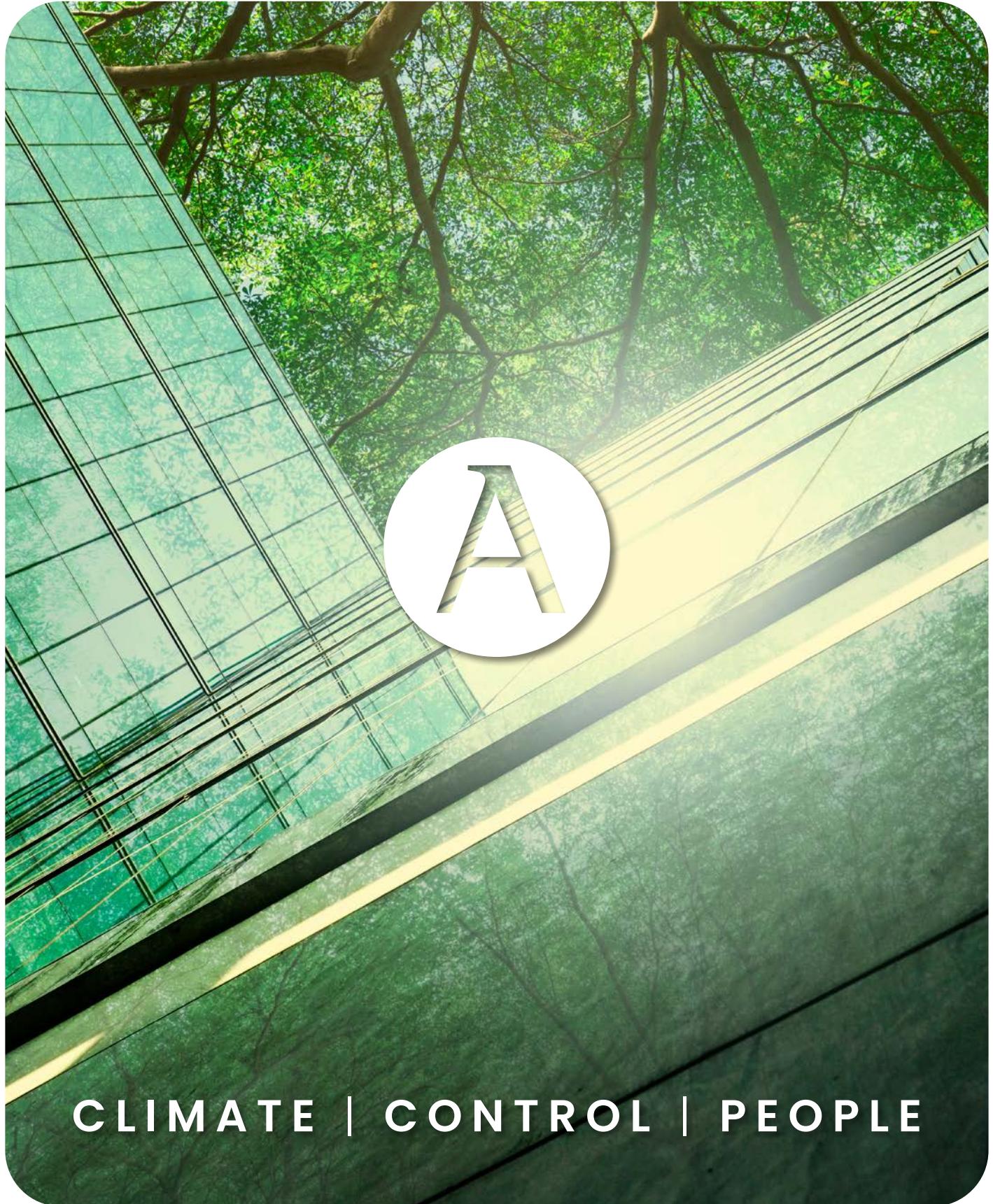


Management with Remote Monitoring

Efficiently managing HVAC units across multiple rented spaces requires quick and individualized issue identification, resolution, and uninterrupted control from afar. Aidoo Pro streamlines this process with advanced remote error code reporting, time-scheduling, temperature limits, and open door/window dry contacts, providing property managers with real-time diagnostics for each individual apartment while also avoiding unnecessary energy expenditure throughout the rentals.

The Retreat Apartments at Bear Lake





CLIMATE | CONTROL | PEOPLE

Getting Started with Airzone



CONTACT OUR SALES ACCOUNT MANAGER

Contact our sales team to find the sales contact in your area and answer any general questions you may have. >>



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SEND US YOUR PLANS

We offer full, complimentary project plans. >>



projects_na@airzonecontrol.com



CHECK YOUR HVAC UNIT'S COMPATIBILITY

Enter the brand and model number of your unit to check its compatibility with Aidoo! Don't see your model number? Please reach out!



azna-staff@airzonecontrol.com



LEARN WITH AIRZONE ACADEMY

Webinars, product trainings, and more. >>



training_na@airzonecontrol.com

WATCH OUR INSTALLATION VIDEOS



« Prepare your installation by watching our step-by-step comprehensive video tutorials.



TECH SUPPORT SERVICE



« Pre-installation to post-installation guidance for any doubts or questions.

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About Airzone



Since 1997, HVAC design engineers, integrators, and installers have partnered with Airzone for residential and commercial projects which need to go beyond set standards in energy efficiency and comfort.

Today, Airzone is a team of 450 people, operating in 68 countries, where it collaborates with over 80 distributors and 3,000 top-tier installation companies.

Airzone control solutions are developed in collaboration with leading HVAC manufacturers and are compatible with major Smart Home and BMS integration standards.



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