



Zoning Control Solutions for Inverter/VRF Units

COMMERCIAL AND RESIDENTIAL APPLICATIONS

Why add Airzone's zone control solutions to your HVAC projects?

Traditional, non-zoned HVAC systems often struggle to balance efficiency and comfort in diverse building environments. Airzone's zoning control solutions redefine how temperature is managed, **integrating zone-specific regulation with centralized control for heating and cooling systems.**

NON-ZONED HVAC SOLUTIONS



A non-zoned HVAC system relies on a single thermostat as the sole reference for temperature measurement, making it incapable of addressing the specific temperature needs of different areas within a building.

- **Energy efficiency is reduced**, as HVAC systems affect all the areas indiscriminately, including unoccupied ones that don't require it.
- **Comfort is compromised**, as some rooms become too hot or too cold.

AIRZONE ZONING SOLUTIONS



- The building is divided into different areas for **independent temperature control** based on real air demand.
- **Energy savings** increase significantly by ensuring HVAC systems only serve areas in demand, avoiding energy waste in unoccupied spaces.
- **Comfort** is greatly enhanced by allowing customized temperatures in different areas, satisfying diverse occupant needs simultaneously.

Manufacturers' Protocols

Airzone has built a strong reputation through long-term collaborations with leading manufacturers. These partnerships have allowed us to incorporate manufacturers' protocols directly into the core design and technology of our products.

As a result, Airzone's solutions are not only compatible with a wide range of Inverter/VRF units, but Airzone solutions **communicate bi-directionally** with the HVAC units to preserve their full operability.

HVAC Integration Made Easy

The goal of integration in a building is to ensure that separate technologies work together as a cohesive unit, enhancing efficiency, performance, and functionality. Due to complex communication protocols, HVAC systems are among the most challenging to integrate. However, integrating Airzone zoning systems into **BMS and Home Automation** becomes a breeze, thanks to our WebserverHUB gateway.

With over 40 integration options and no programming required, multiple HVAC technologies can be added with a single integration, saving time and increasing profitability.

180+

COMPATIBLE
HVAC BRANDS



Inverter
/ VRF



Direct
Expansion



Air-to-Water
Heat Pump



Chilled
water

COMPATIBLE WITH



SAMSUNG FUJITSU

and many more

40+

INTEGRATION OPTIONS
FOR SMART BUILDINGS



Smart Home
/ BMS



Standard
Protocols



IoT &
Voice Control

COMPATIBLE WITH



LUTRON Control4

and many more

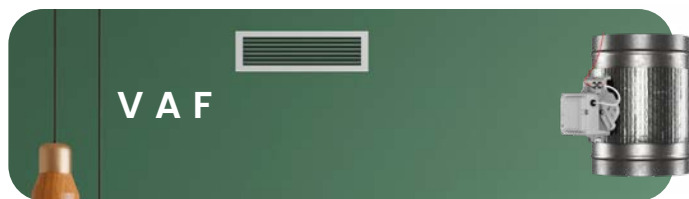
No Bypass Damper Required

Thanks to Airzone's use of manufacturer protocols to control the variable fan speed capabilities of Inverter units, our systems eliminate the need for difficult-to-configure bypasses to balance airflow. Instead, they our **Q-Adapt Airflow Algorithm** works in

conjunction with the the manufacturer protocols to automatically optimize airflow in each zone, ensuring even air distribution while preventing over-cooled or overheated areas, or stress on the unit.

Our Zoning Solutions

Check your >>
unit compatibility here



Up to 10 zones
per control board

Customizable Zoning System

Airzone's VAF provides efficient control for **hybrid ducted and ductless HVAC** systems, offering a flexible solution for zoned temperature management.

- Build your systems to match your project's needs
- Different sized motorized dampers for different room sizes (6", 8", 10", 12", 14")
- Combined air conditioning control (single zone & multi-zone units) and underfloor heating control
- No bypass damper required



Up to 6 zones
per plenum









Plug & Play Plenum for Individual Zone Temperature Control

Specifically designed for **ducted horizontal, vertical and multi position AHUs**, Easyzone offers an efficient and flexible approach to HVAC management. Pre-wired, pre-insulated, and ready to install, the system simplifies setup, reduces the risk of installation errors, and helps prevent delays and unnecessary labor costs.







- Pre-packaged, pre-insulated plenum for streamlined installation
- No bypass damper required

Airzone Thermostats: Bespoke Style and Control





AIRZONE BLUEFACE - WIRED

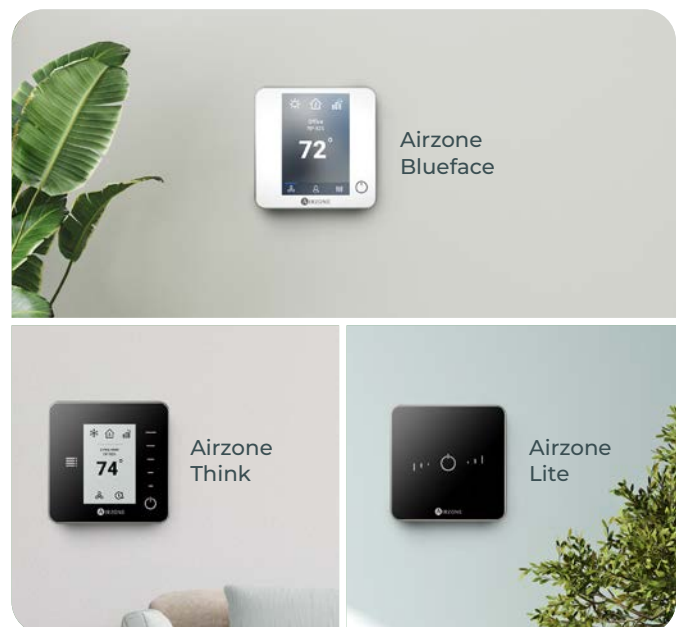
-  On/Off
-  Temperature control
-  Humidity indication
-  Mode selection
-  Advanced settings
-  Navigation
-  Time schedules
-  Eco-Adapt function

AIRZONE THINK - WIRELESS

-  On/Off
-  Temperature control
-  Humidity indication
-  Mode selection
-  Basic settings
-  Navigation ¹

AIRZONE LITE - WIRED AND WIRELESS

-  On/Off
-  Temperature control
-  Humidity reading
-  LED lights



¹ Available depending on your Airzone system.

Airzone Cloud App

Explore the >>
Airzone Cloud App Demo
Android and iOS



Airzone Cloud is the solution that connects HVAC systems to the digital world. Thanks to the combination of the Airzone Webserver, cloud technology and the Airzone Cloud mobile app, users have complete control of their installation from anywhere and at any time.

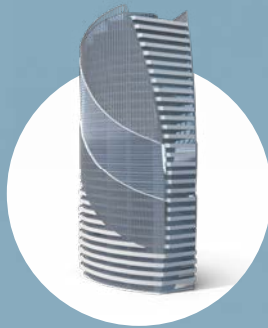
- Adjust temperature settings remotely
- Control up to 320 zones
- Time/ Mode scheduling
- Detailed system reports and analytics
- Real-time notifications and alerts



Practical Uses of Airzone Zoning Control Solutions



Residential
Pages 8-13



Commercial
Pages 14-21

Airzone offers versatile zoning solutions suitable for many types of buildings, providing unparalleled comfort and precise control for both **residential and commercial** spaces. Whether it is a large office building, a home, a wellness center, or even a bank, Airzone has a solution for every space.



Single Family Homes

> Airzone Zoning Solution:
New Easyzone for Multi-position AHUs

> Zones:
1 Easyzone managing 5 zones

HVAC zoning plays a vital role in enhancing comfort and efficiency in single-family homes. These residences often have diverse spaces with varying heating and cooling needs, from bedrooms and living rooms to offices and kitchens.



Connectivity



Airzone Cloud
App



Home Automation
Platform



Voice Control
& IoT

Highlight Feature

VOICE CONTROL

Thanks to the Webserver HUB, a component of our zoning systems allowing for connectivity and integration, our zone systems can be integrated with voice controllers such as Amazon Alexa and Google Assistant to control parameters such as on/off, mode selection, and temperature adjustment.



Co-Living Apartment Rentals & Multi-Dwelling Units

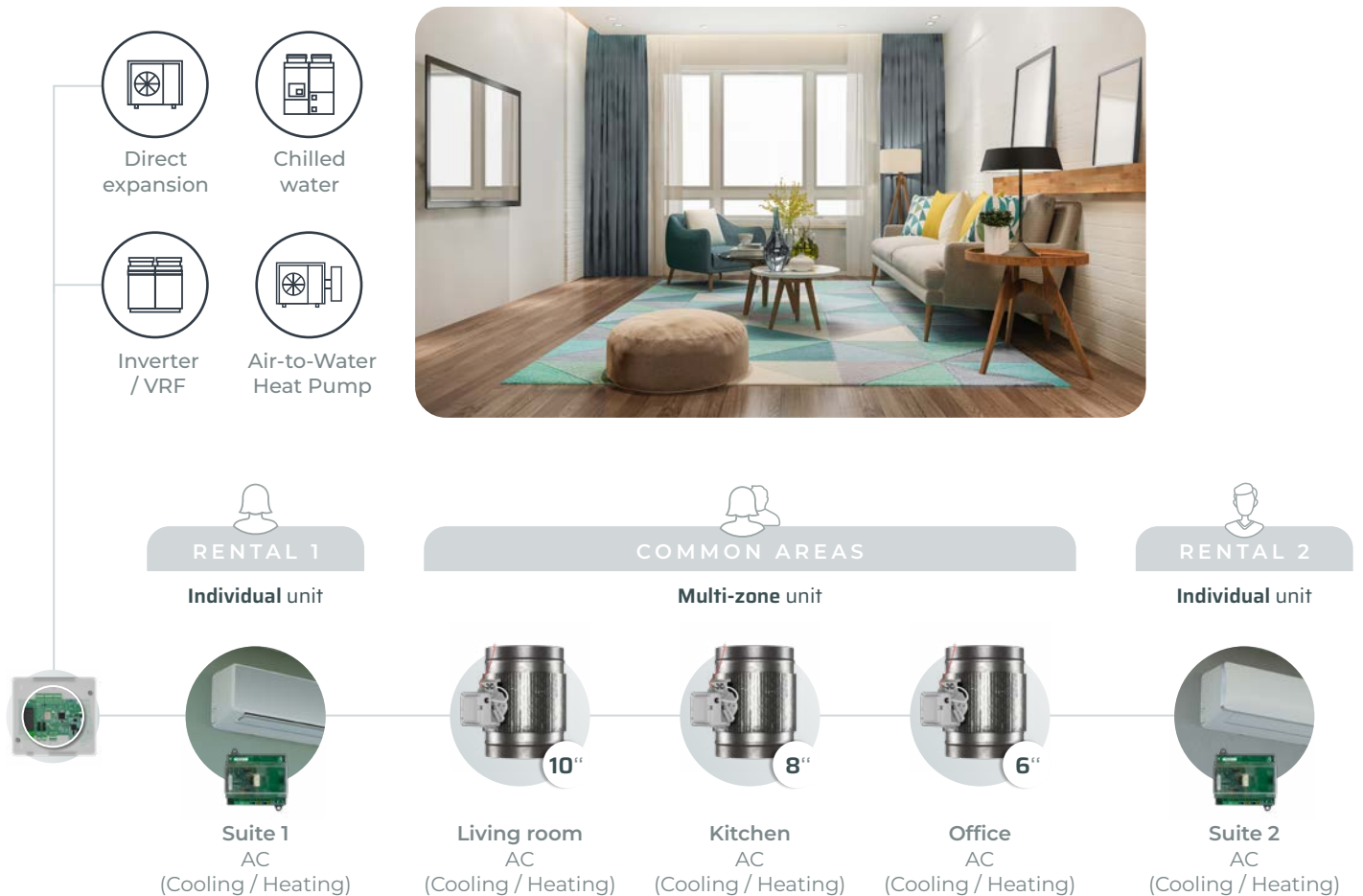
> Airzone Zoning Solution:

VAF

> Zones:

- 1 VAF managing 2 single zone units
- 1 Multi-zone unit with 3 zones

Co-living apartments often feature private spaces with individual temperature preferences. By allowing each tenant to control their personal space with ease, whether it's adjusting the temperature in their bedroom or setting a comfortable level in the shared kitchen, Airzone's solutions create a more harmonious living experience.



Connectivity



Airzone Cloud
App



Home Automation
Platform



Voice Control
& IoT

Highlight Feature

MULTI-USER CONTROL FOR SHARED LIVING SPACES

The Airzone Cloud App enhances convenience in shared living spaces through its multi-user interface. Tenants can manage their individual settings from the app, with only their private space displayed, ensuring complete privacy and control. Simultaneously, landlords or property managers maintain remote access and control for their installation, allowing for efficient energy management and oversight.



High Performance Homes

> Airzone Zoning Solution:
VAF

> Zones:
2 VAFs managing 14 zones

The most luxurious residences demand the most sophisticated HVAC control. Airzone provides the ultimate climate control solution for large luxury residences, seamlessly integrating cooling and heating systems, various unit types, and multiple brands into a single control system. This solution is specifically designed to meet the unique demands of multi-story, single-family properties with rooms of varying sizes, delivering unmatched comfort and premium features.



Connectivity



Airzone Cloud App



Home Automation Platform

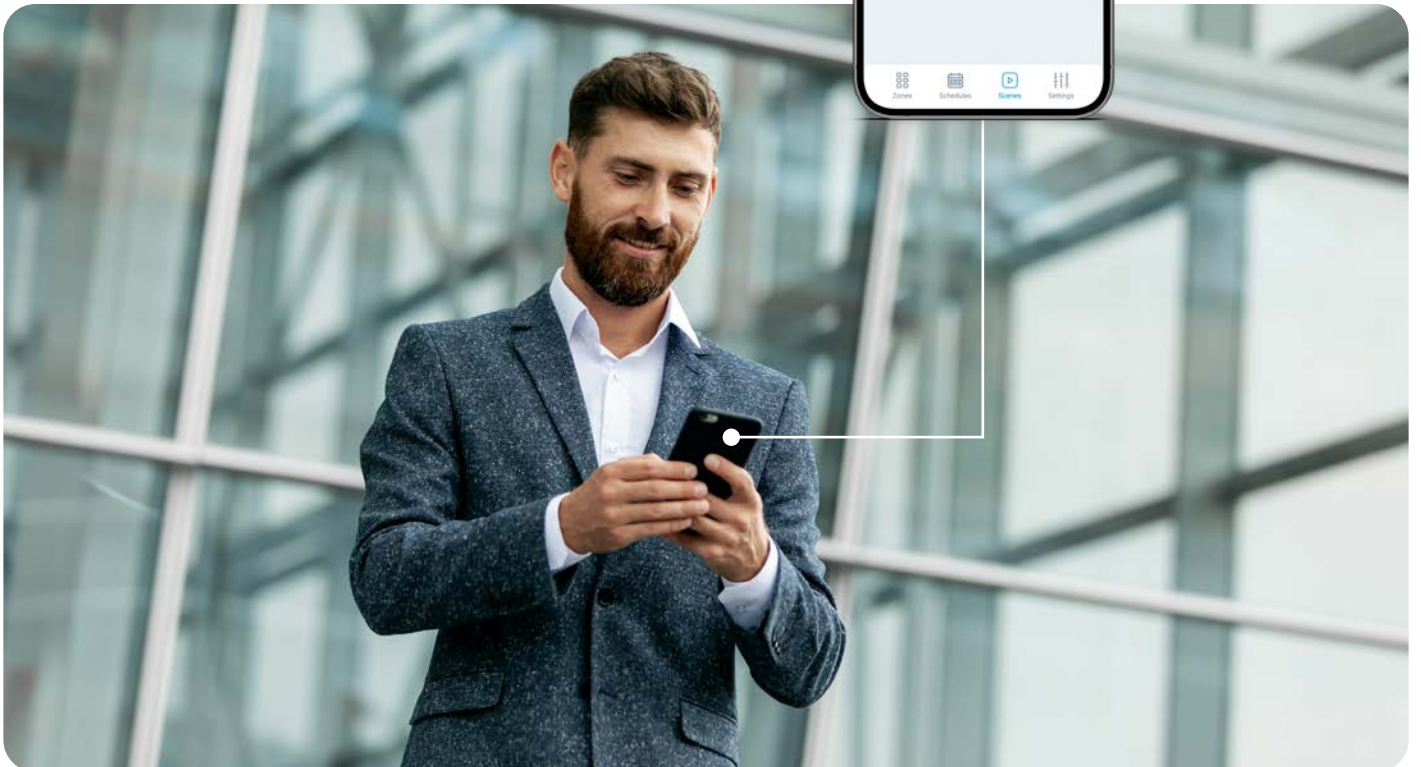
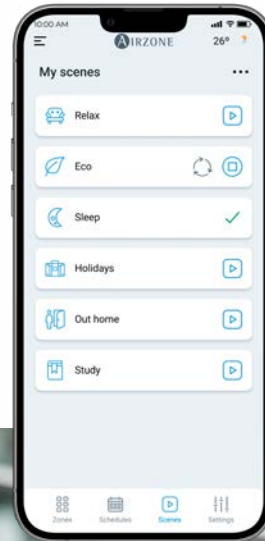


Voice Control & IoT

Highlight Feature

TIME SCHEDULING

Our time scheduling options add convenience, allowing homes to adapt to daily routines—whether it's warming floors on a winter morning or cooling living spaces for summer afternoons. This advanced control not only enhances comfort but also simplifies management, bringing sophistication and ease to high-performing homes.



Comercial Shared Spaces: Wellness Center

> Airzone Zoning Solution:
Easyzone for horizontal AHUs

> Zones:
1 Easyzone managing **6** zones

Wellness centers are designed to provide relaxation and rejuvenation, but achieving optimal comfort in such spaces requires precision. With temperature needs ranging from 68 to 80°F across various services, such as massage rooms, nail salons, and hair studios, zoning becomes essential. Airzone's HVAC zoning solutions allow for independent climate control in each area, ensuring every service environment meets its specific requirements. This tailored approach not only enhances client comfort but also improves energy efficiency.



Connectivity



Airzone Cloud App



Building / Property Management System



Voice Control & IoT

Highlight Feature

PRECISION WITH PREMIUM SMART THERMOSTATS

Airzone's thermostats offer unrivaled control, tailored to each service room for precise temperature management. These high-quality thermostats are designed to blend with the aesthetics of any wellness center while providing accurate and reliable performance. The Airzone Cloud App and integration with building automation systems further enhance usability, making it easier than ever to create an ideal environment for clients.

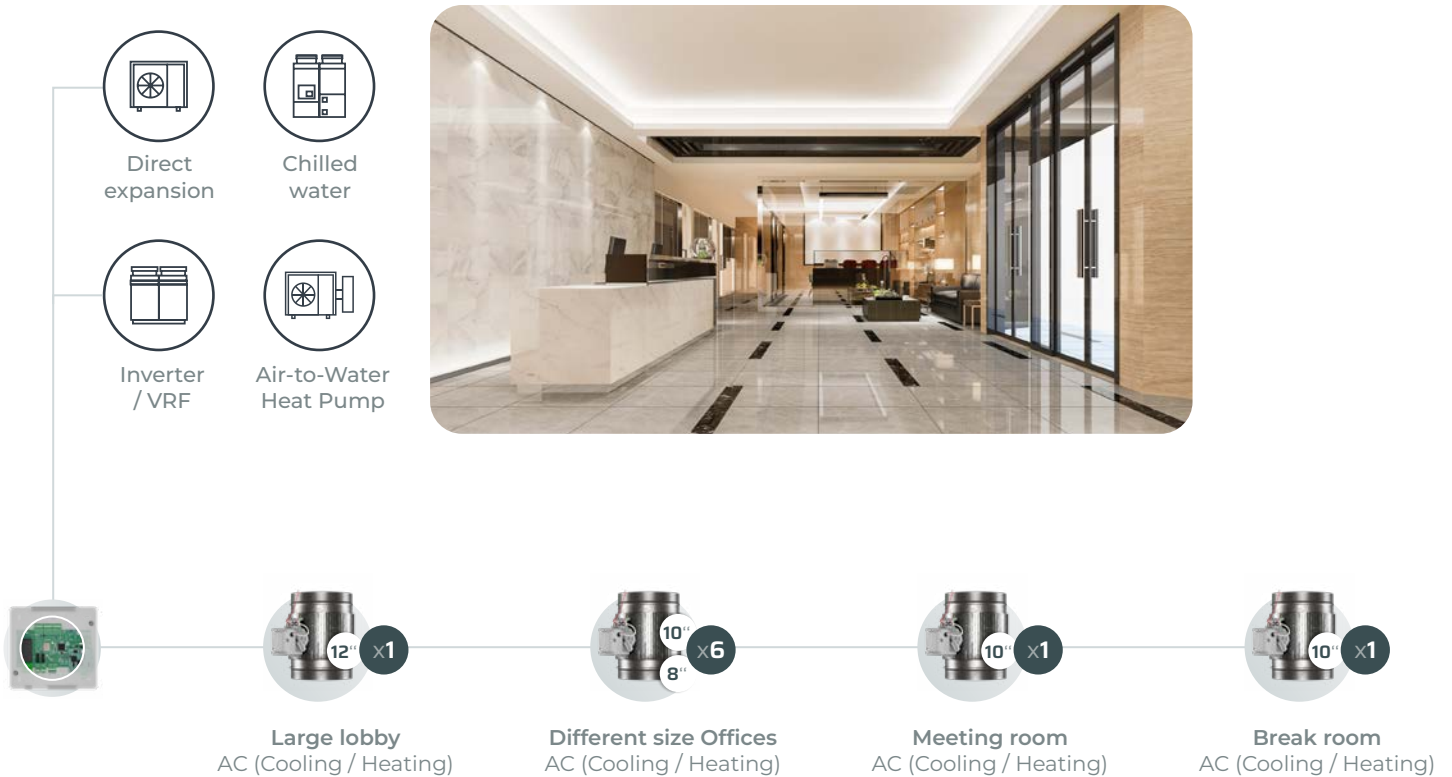


Banks

> Airzone Zoning Solution:
VAF

> Zones:
1 VAF managing 9 zones

In commercial environments like banks, where spaces vary significantly in size and purpose, zoning is essential to ensure optimal comfort and energy efficiency. From large open spaces like lobbies and reception areas to smaller, more enclosed offices, Airzone zoning enables precise control over the climate in each area. VAF can adapt to various building layouts and HVAC unit types. With the flexibility to mix and match units of different sizes and capacities, Airzone ensures that air conditioning or heating is only delivered where it's needed. This adaptability is ideal for bank environments, where client-facing areas may require different temperatures than office or storage spaces.



Connectivity



Airzone Cloud App



Building / Property Management System



Voice Control & IoT



Highlight Feature

BACNET INTEGRATION FOR ENHANCED SECURITY

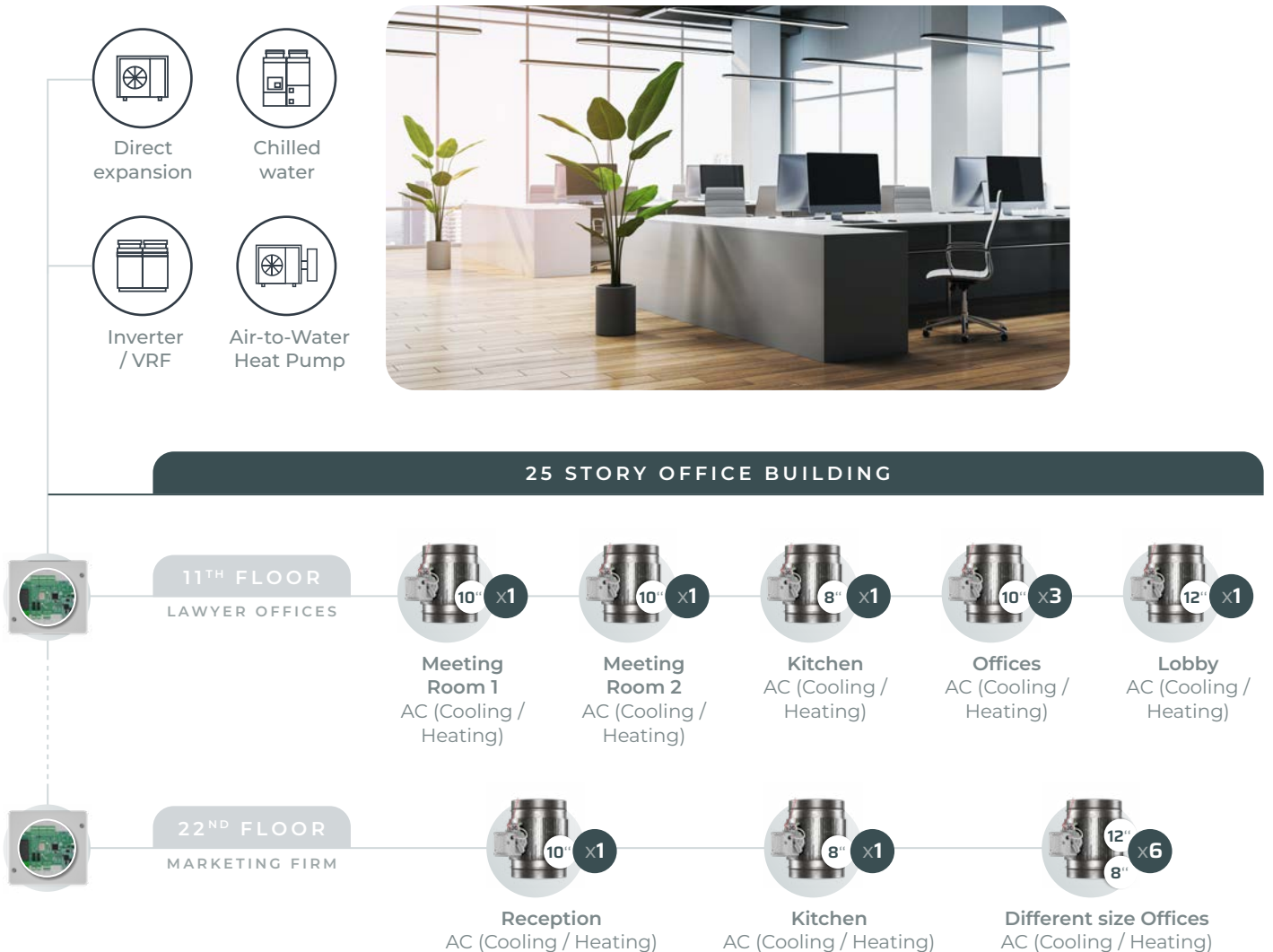
Airzone's zoning systems integration with BACnet is crucial for commercial environments like banks, where security is a top priority. Banks typically operate many of their critical systems, such as access control and surveillance, on the BACnet network. By integrating HVAC zoning into this network, Airzone ensures that climate control operates alongside these security systems without disrupting the overall building management infrastructure. This integration highlights Airzone's versatility, providing a flexible, secure, and efficient solution that meets the specific needs of highly regulated environments, like banks, while ensuring ease of use and convenience.

Commercial Office Buildings

> Airzone Zoning Solution:
VAF

> Zones:
25 VAFs managing up to 10 zones each

In multi-tenant office buildings, where diverse companies operate under one roof, HVAC zoning is essential for balancing shared infrastructure with individual comfort needs. Airzone's solutions enable centralized HVAC systems to serve multiple businesses with precision, offering features like time scheduling for energy efficiency, vacation programming, multi-user app control, and temperature limits across the building. This versatility not only enhances tenant satisfaction but also streamlines management for building operators.



Connectivity



Airzone Cloud App



Building / Property Management System



Voice Control & IoT

Highlight Feature

MODBUS INTEGRATION FOR STREAMLINED BUILDING MANAGEMENT

With Modbus integration, Airzone systems become an integral part of the building's centralized management network. This feature simplifies communication between the HVAC system and the BMS, enabling efficient adjustments and monitoring from

a single control point. This capability is particularly advantageous in multi-tenant office buildings, where maintaining comfort and energy efficiency across diverse spaces requires precise and unified management.



Commercial Multi-Dwelling Apartments

> Airzone Zoning Solution:
Easyzone

> Zones:
240 Easyzones in total, **1** for each apartment

In apartment buildings where each unit has its own dedicated HVAC system, Airzone bridges the gap between individual tenant comfort and centralized building management. By integrating each apartment's HVAC system into a Building Management System (BMS) via Airzone's advanced control solutions, property managers can maintain centralized oversight without compromising the autonomy of individual tenants, and never losing control from afar.



Connectivity



Airzone Cloud App



Building / Property Management System



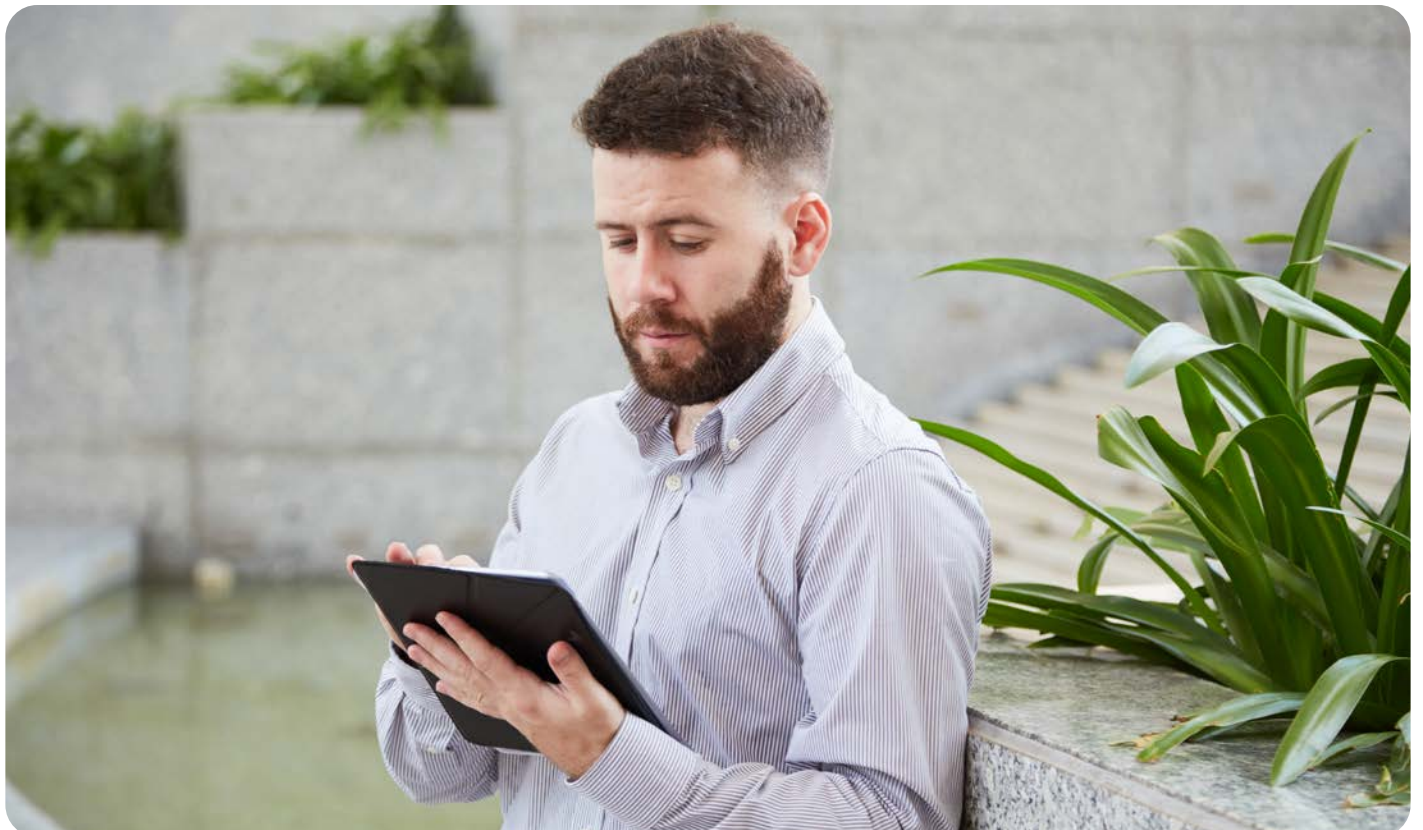
Voice Control & IoT

Highlight Feature

REMOTE ERROR CODE MONITORING AND OPERATION STATUS

Airzone empowers property management companies with the ability to remotely monitor error codes and the operational status of each apartment's HVAC system. This feature streamlines maintenance by

enabling rapid diagnostics and proactive servicing, reducing downtime and minimizing disruptions for tenants.



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. >>



azna-staff@airzonecontrol.com



Send Us Your Plans or Use Ductzone

We offer full, complimentary project plans and Ductzone, a free downloadable software to plan a project in just 10 minutes! >>



projects_na@airzonecontrol.com



Check Your HVAC Unit's Compatibility

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



azna-staff@airzonecontrol.com



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training_na@airzonecontrol.com

Watch Our Installation Videos



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Tech Support Service



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

techsupport_na@airzonecontrol.com
+1 866 521 0263



About Airzone



Since 1997, the most demanding HVAC design engineers and installers have found in Airzone solutions a partner for residential and commercial projects where they need to go beyond the 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.



Contact Us



Information and sales: azna-staff@airzonecontrol.com

Project Planning: projects_na@airzonecontrol.com

Airzone North America:

Designed and manufactured in Spain.

1800 SW 1st Ave, Suite 203
Miami, Florida 33129

airzonecontrol.com

