



## Zoning solutions for residential and commercial applications



### What is Zoning?

Zoning means the ability to use one single ducted HVAC unit to create different temperatures within one household, saving energy and simplifying installation. The combination of Airzone zoning systems and Mitsubishi Electric Heating and Cooling solutions provides superior comfort to each zone.



#### Independent Temperatures

Independent temperature control for each room according to user's needs.



#### Eco-friendly

Zoning systems require less refrigerant gas to work, reducing emissions.



#### Silence

The level of noise is drastically reduced as the indoor unit is mounted in the false ceiling.



#### VRF & Inverter

Airzone Zoning systems are compatible with high efficiency variable capacity units.



#### Savings

The combined performance of Airzone zoning systems and ducted AC units can achieve significant savings.



#### Air Conditioning Integration

It is possible to integrate the AC within the automation system (BACnet, Modbus, LonWorks).

### All types of buildings

Houses · Residential · Commercial

### What is Airzone ZBS Composed Of?

#### Relay Box

Controls up to 5 zones with **supplemental heating** (up to two relay boxes per main controller panel or ducted unit) Select either one or two relay boxes based on your needs.



#### Main Controller

One system main control board with **exclusive integrated Mitsubishi communication gateway** per ducted HVAC system. (can control up to 10 dampers per ducted unit)

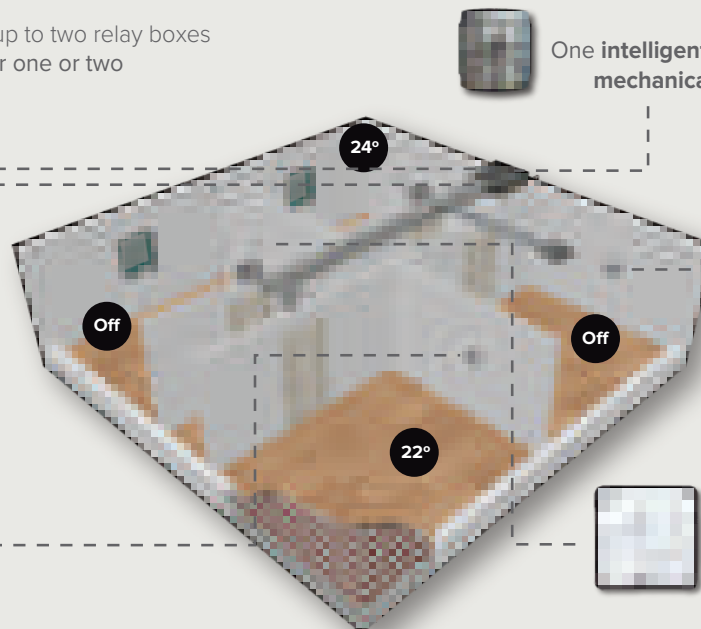


#### Blueface

At least one Blueface controller must be installed per Airzone zoning system.

#### Intelligent Damper

One **intelligent** round damper with **mechanical air-flow regulation** per controlled outlet.



**Lite / Think**  
One **easy-to-use thermostat** for each of the rest of the zones.

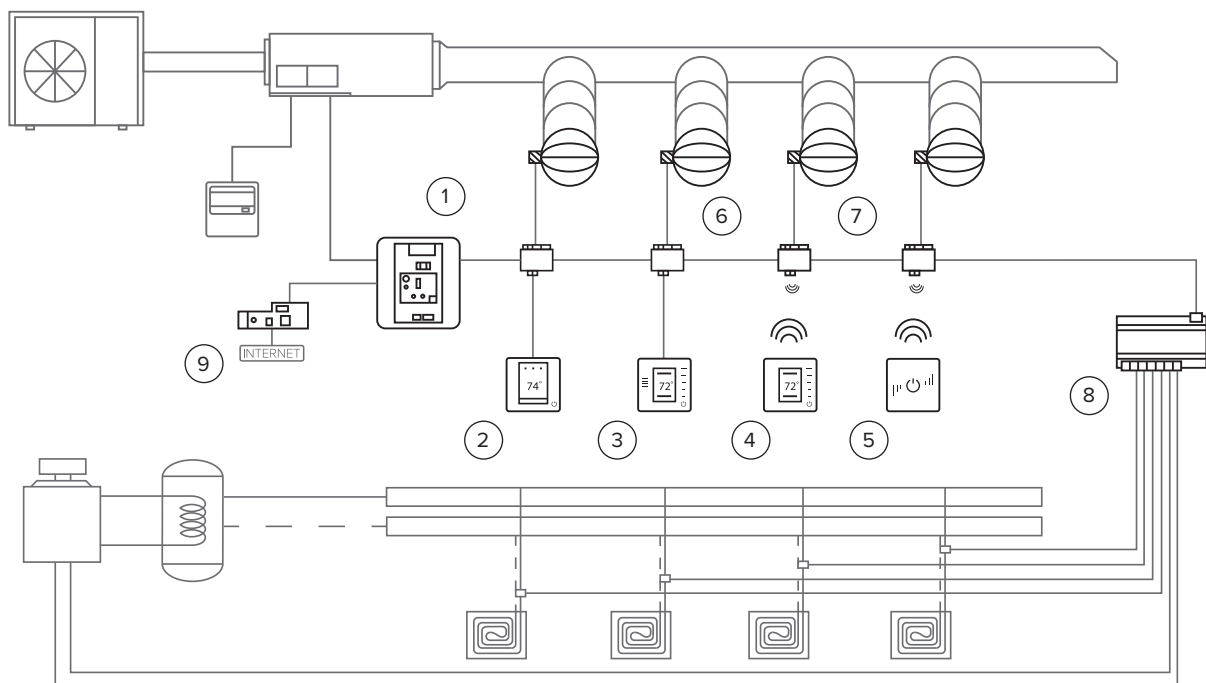


# Guidelines

System composition per ducted indoor unit:

1. Always includes one Airzone ZBS Main Control Board with an integrated communications gateway **AZZBSR2MEL**.
2. Always includes at least one Blueface Main Controller **AZZBSBLUEFACECB**.
3. Select a Zone Controller for each zone except for the main one that already has a main Blueface Controller selected. These Zone Controllers could be either wired **AZZBSTHINKCB** or wireless **AZZBSTHINKRB**. Note that the system can control up to 10 zones.
4. Select as many smart motorized dampers as needed. They could be wired or wireless, depending on the user's needs.

## Wiring diagram



Reference	Description	Units
1. AZZBSR2MEL	Airzone ZBS Control board with Mitsubishi Electric communication region 2	1
2. AZZBSBLUEFACECB	Airzone ZBS wired Blueface principal controller white	1
3. AZZBSTHINKCB	Airzone ZBS wired Think controller white	1
4. AZZBSTHINKRB	Airzone ZBS wireless Think controller white	1
5. AZZBSLITERB	Airzone ZBS wireless Lite controller white	1
6. AZZBSDAMPER[XX]C	Airzone ZBS [XX] wired intelligent round damper	2
7. AZZBSDAMPER[XX]R	Airzone ZBS [XX] wireless intelligent round damper	2
8. AZZBS5OUTPUTS	Airzone ZBS relay radiant heat controle module	1
9. AZZBSWEBSCLLOUD [C/R]	Airzone ZBS [Ethernet/WiFi] Cloud Webserver	1



Heating and Cooling  
[www.MitsubishiElectric.ca](http://www.MitsubishiElectric.ca)

Engineered and developed by Airzone in Spain  
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