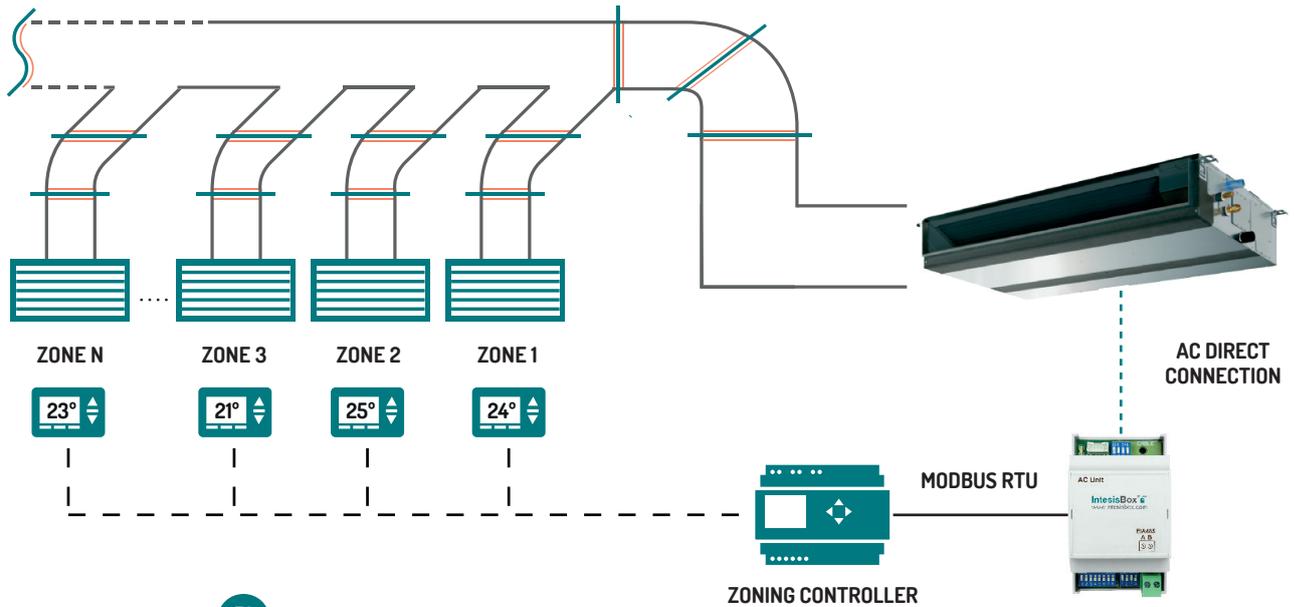


INTESISBOX MODBUS MBS-1 GATEWAYS FOR HVAC ZONING SYSTEM

An HVAC zoning system consists in the control of duct dampers to regulate and redirect air to specific zones of the building. This allows the building to be divided into separated zones and to provide individual control of temperature in each zone.

Thanks to IntesisBox Modbus gateways, the communication between the zoning system and the AC unit is bidirectional increasing both comfort and energy savings.



ALL THE CONTROLS NEEDED FOR ZONING SYSTEMS

| | MBS-1 |
|--------------|-------|
| On/Off | ✓ |
| Mode | ✓ |
| Set point | ✓ |
| Fan speed | ✓ |
| Signal error | ✓ |
| Error code | ✓ |

BENEFITS

- Total integration between the HVAC Zoning system and the Air Conditioner increasing the control possibilities of the AC unit.
- Regulation of fan speed depending on the zones needs improving the comfort and reducing the acoustic level.
- Natural control of the AC unit, taking the advantage of using correctly the AC inverter system and therefore reducing the energy consumption.
- Modbus common register map for all the gateways MBS-1 allowing the zoning manufacturers to develop a unique controller that fits with any AC brand.
- Complete supervision of the AC unit being able to monitor its errors from the zoning thermostats.