

# MULTI-ZONE CONTROL

ZONECONTROL FOR HEATING, COOLING AND VENTILATION WITH THE ELAN AIR HEATER

In the current generation of new-build dwellings residents and the government alike have high expectations and make stringent requirements of forward-looking, sustainable systems. So opting for air heating is an easy choice. In addition to all the benefits of air heating, such as its ability to come up to temperature quickly, freedom in terms of floor finishing and the ease of integration of cooling and ventilation via the same air channels, Multi-zone control goes a step further in comfort and energy economy.

## Control the heating, ventilation and cooling automatically, room by room or zone by zone

With Multi-zone control, each zone or habitable area, such as the living room or bedroom is fitted with a room thermostat for individual temperature control and a CO<sub>2</sub> sensor to control ventilation automatically. The Multi-zone control ensures that heat and/or ventilation is distributed to only those rooms where it is needed. In this way you can be sure of the most excellent air quality in your home, while at the same time saving a substantial amount on energy costs, as you do not need to unnecessarily heat or provide ventilation for specific rooms.

## Multi-zone control with the Elan air heater

The basis of the system is a room controller and Elan air heater that is driven by a heat source, such as a heat pump, central-heating boiler, district heating or other sources for heating. To obtain the cleanest, most filtered air in your home, the Elan air heater can easily be expanded by adding an energy-efficient ventilation system with heat recovery (HRV), such as a Flair unit. The room controller uses Ebus communication to link all connected components, such as sensors and zone valves.



## Even more benefits in combination with a heat pump

In situations in which a combined heat pump and cooling system is used, there are even more benefits: the cooling, too, can be controlled in individual zones, so the dwelling remains pleasantly cool even on the hottest days of summer.

### The benefits

- Automatic control per room for heating, cooling and ventilation.
- Energy-economy due to rooms not being unnecessarily heated or provided with ventilation.
- Sustainable in combination with a heat pump.
- Also highly suited for the prefab market.



### Specifications

Room controller with Ebus communication	Minimum of 2 zones Maximum of 6 zones Thermostat, CO <sub>2</sub> sensor and valve per zone
Zone valves	Thermally insulated Diameter ø 80, 125, 160, 180, 200 mm
Suitable for:	Elan 10/16/25 2.0 Elan 25 3.0