AirGENIO
control system

2VV AirGENIO

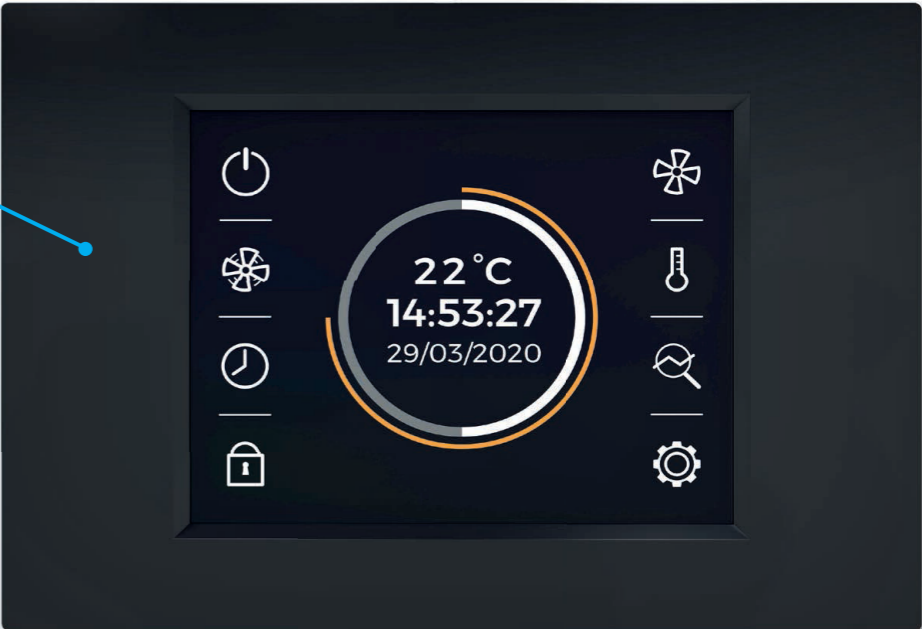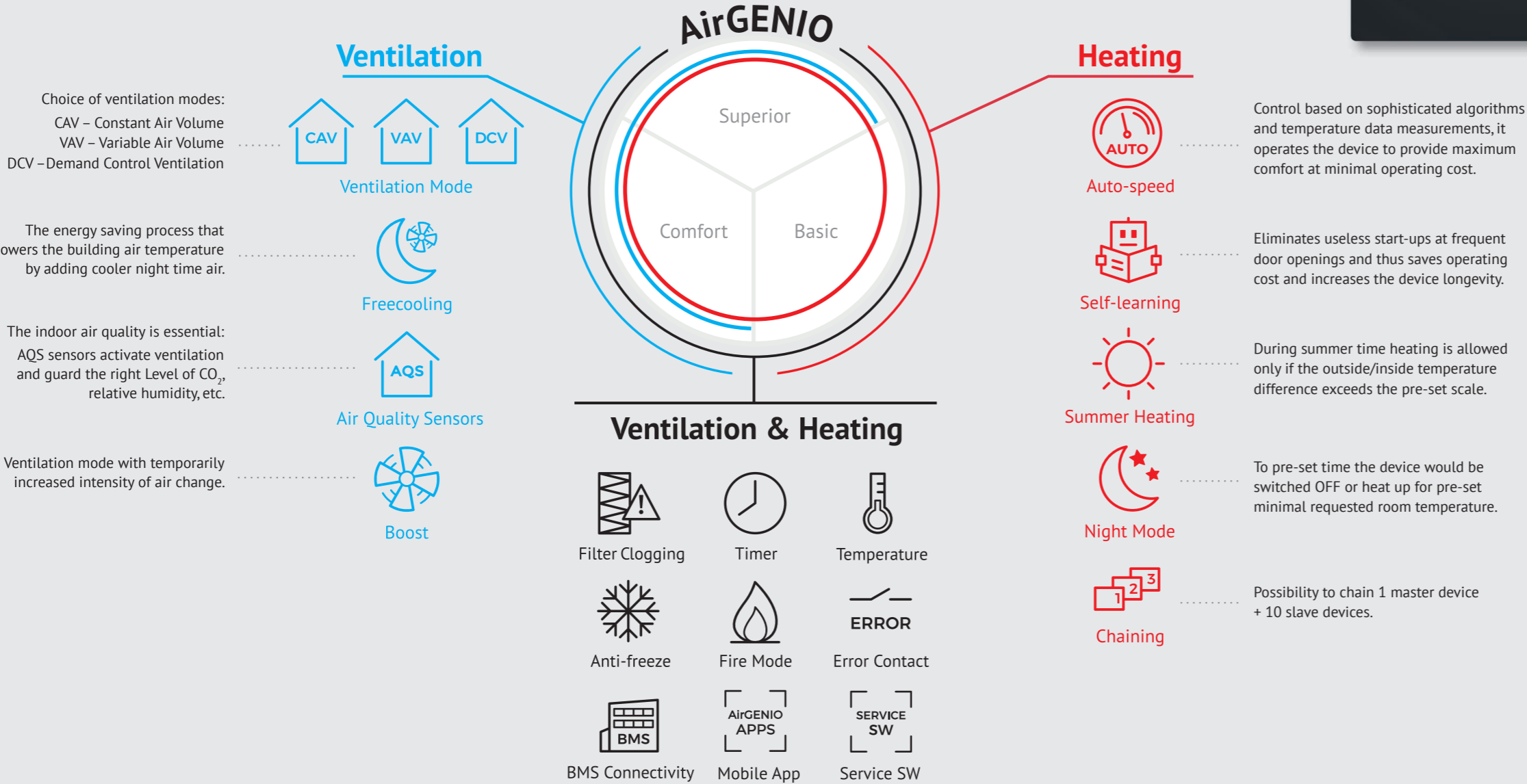**Intelligent • Intuitive • Innovative**

2VV AirGENIO control system

2W AirGENIO control system ensures easy and smart operation of 2W devices. It is full of smart features, which operate the device with a clear focus on minimizing energy consumption and providing maximum comfort to the interior. Each client has a different demand for the technical level of control therefore AirGENIO control provides various solutions from high-tech to basic level, allowing the client to customize their controls to deliver the temperature and ventilation they desire. In addition, the control panel with its colour touch-screen display is an integral part of the system.

22 °C
14:53:27
29/03/2020

AirGENIO control system

AirGENIO

Superior

Comfort   Basic

Ventilation

Choice of ventilation modes:
CAV – Constant Air Volume
VAV – Variable Air Volume
DCV – Demand Control Ventilation

CAV   VAV   DCV
Ventilation Mode

The energy saving process that lowers the building air temperature by adding cooler night time air.

Freecooling

The indoor air quality is essential:
AQS sensors activate ventilation and guard the right Level of CO_2, relative humidity, etc.

AQS
Air Quality Sensors

Ventilation mode with temporarily increased intensity of air change.

Boost

Heating

AUTO
Auto-speed

Control based on sophisticated algorithms and temperature data measurements, it operates the device to provide maximum comfort at minimal operating cost.

Self-learning

Eliminates useless start-ups at frequent door openings and thus saves operating cost and increases the device longevity.

Summer Heating

During summer time heating is allowed only if the outside/inside temperature difference exceeds the pre-set scale.

Night Mode

To pre-set time the device would be switched OFF or heat up for pre-set minimal requested room temperature.

Chaining

Possibility to chain 1 master device + 10 slave devices.

Ventilation & Heating

Filter Clogging   Timer   Temperature

Anti-freeze   Fire Mode   ERROR
Error Contact

BMS
BMS Connectivity

AirGENIO APPS
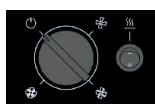Mobile App

SERVICE SW
Service SW

Three levels of AirGENIO control

1 AirGENIO Superior for ventilation & heating

Designed for **sophisticated** technical solutions loaded with excellent functionalities that fulfil all types of ventilation and heating requirements including connectivity to BMS, service software or mobile application.

2 AirGENIO Comfort for ventilation & heating

Control system ideal for **standard** technical solutions where wide range of functionalities is insisted on but slight compromises accepted.

3 AirGENIO Basic for heating only

Mechanical control system with essential functionalities fully covering **basic** technical demands.

AirGENIO control system SOLUTIONS

AirGENIO control provides various solutions from high-tech to basic level allowing the client to customize their controls. Thanks to one platform of the control system you will intuitively know how to set it up and control it.

	AirGENIO BASIC	AirGENIO COMFORT	AirGENIO SUPERIOR	AirGENIO IC-C
Control panel	Manual	Touch-screen	Touch-screen	Touch-screen
Mode	Manual	Auto / Manual	Auto / Manual	Auto / Manual
Fan control	3 speeds (AC) 15-100% (EC)	3 speeds (AC) 15-100% (EC)	3 speeds (AC) 15-100% (EC)	5 speeds (AC) 15-100% (EC)
Electric heater control	2 steps	2 steps	Fluent (PWM)	Fluent (PWM) or 2 steps
Water heater control	ON/OFF	ON/OFF (AC) 0-10V or ON/OFF (EC)	0-10V	0-10V or ON/OFF
Anti-freeze protection	✖	✔	✔	✔
Timer	✖	✔	✔	✔
Door contact	✔ (230V)	✔ (12V, 230V)	✔ (12V, 230V)	✔ (12V, 230V)
Room thermostat	✔ (230V)	✔	✔	✔
External control	✖	✔	✔	✔
Error contact	✖	✔	✔	✔
Temperature measurement	✖	✔ (NTC)	✔ (NTC)	✔ (NTC)
Chaining	✖	✔ – max 10+1 pcs	✔ – max 10+1 pcs	✔ – max 10+1 pcs
BMS connection	✖	✔ – Modbus RTU	✔ – Modbus RTU/TCP or BACnet	✔ – Modbus RTU/TCP or BACnet
Service Software	✖	✖	✔	✔
Auto-speed control	✖	✔	✔	✔
Self-learning mode	✖	✔	✔	✔
Summer heating	✖	✔	✔	✔
Night mode	✖	✔	✔	✔