

# sensoCOMFORT



The sensoCOMFORT is Vaillant's new control for multi-zone heating systems. It has been designed to be simple to install and use, and operates with Vaillant's proprietary eBUS protocol. This ensures all the components of the system can easily communicate with each other to provide optimum system performance. It's perfect for multi-zone gas-fuelled systems, and hybrid or renewable installations.

Installation of the sensoCOMFORT has been designed to be as easy as possible, with guided commissioning that detects the eBUS components of the system automatically and proposes pre-defined settings. So, the installer is no longer required to manually input information on each part of the system, simplifying commissioning and saving time.

A simplified interface means that end-users will also find this control more intuitive to use. Time programs can be created in minutes by answering a few questions, and the sensoAPP (available when a sensoNET internet gateway is fitted) makes it easy to use on the go.

End-users will benefit from the energy dashboard feature, which provides valuable insights into energy consumption over a two-year period. This data will include an overview on renewable gain when a flexoTHERM heat pump and/or solar thermal unit is fitted as part of the heating system.

The sensoCOMFORT comes with an outdoor sensor, providing weather compensation that automatically adjusts the flow rate from the boiler for ultimate efficiency. Load compensation comes as standard.

With the ability to cascade up to seven boilers, the sensoCOMFORT is perfect for commercial rig heating system installations.

The sensoCOMFORT is available in a wireless version (RF) that can control up to three heating zones.



Proudly supporting installers

## Key features and benefits

- Boiler modulation**  
 eBUS connection allows the boiler to modulate, ensuring peak performance and optimum efficiency for a Vaillant heating system
- Weather compensating**  
 sensoCOMFORT comes with an outdoor sensor that provides an understanding of the thermal behaviour in and around the property and adjusts the flow temperatures to ensure optimal efficiency
- Intuitive Interface**  
 The touchscreen interface provides a simplistic method of navigating the control to undertake simple tasks

## Energy dashboard

Provides enhanced insight into your heating system performance and energy consumption

- Multiple heating circuits with domestic hot water control**  
 The wired sensoCOMFORT control can control up to five heating circuits. The wireless version can control up to three zones
- Time program assistant**  
 Effortlessly set heating programs within minutes using the time program assistant
- sensioAPP\***  
 With the sensoNET internet gateway, the sensoAPP can be downloaded and used to manage heating and hot water requirements on the go

Technical data	Unit of measure	senso COMFORT	senso COMFORT RF	VR 92	VR 92f	Accessories	
						VR 70 / VR 71	VR 66/2
Article number		0010036819	0010036820	0020260925	0020260940	(VR 70) 0020184844 (VR 71) 0020184847	0020135785
Height	mm	109		109		293	185
Width	mm	175		175		277	281.3
Depth	mm	26	27	26		68	49.5
Power supply		eBUS 24V	eBUS 24V 4 x 1.5V (AA)	eBUS 24V	4 x 1.5V (AA)	230v	
Battery life	Years		≈1.5		≈1.5		
Frequency	Hz					50 / 60	
Minimum cross-section of the connection lines	mm <sup>2</sup>					1.5	
Minimum cross-section of the eBUS and sensor wire	mm <sup>2</sup>	0.75				0.75	
Current consumption		<50 mA				VR 70: <4 A VR 71: <6.3 A	<2 A
Level of protection		IP20					
Adjustable temperature range	°C	5 - 30					
Max ambient temperature	°C	60	45	60	45	60	
Transmissions frequency	MHz		868.0 ... 868.6		868.0 ... 868.6		
Maximum transmission power	mW		<25		<25		
Maximum communication range (outdoor)	m		≤ 100		≤ 100		
Maximum communication range (indoor)	m		≤ 25		≤ 25		
ErP class		6					
ErP contribution %		4					

\*sensoNET (VR 921) internet gateway required