VRC 700

The VRC 700 is Vaillant's ultimate system control and is available in wired or wireless models (VRC 700f). The VRC 700 is compatible with ambiSENSE thermostatic radiator valves, enabling control for up to 20 individually controlled rooms.

This is Vaillant's most sophisticated control and it comes with a wealth of features, whilst being easy-to-use with an interface that's familiar and simple to navigate. It has a blue backlit digital display that uses proven technology for super clear information that uses very little energy. It holds times and temperature programs permanently so they can be accessed even after a power failure.

The VRC 700 uses eBUS technology to communicate with each part of the system it's fitted to, ensuring each component works in harmony to deliver weather and load compensation features that ensure the system is working at maximum efficiency. When used on a hybrid system, it automatically chooses which appliance in the system should be used to deliver the most energy efficient solution. This feature is complemented by an energy monitoring function. It also works with third party elements, such as underfloor heating.

When used with a VR 66/2 wiring centre, the VRC 700 can control a Y plan system. It's also compatible with S, S+ and W plan systems when it's used in conjunction with VR 70 or VR 71 wiring centres. It's compatible with the full range of Vaillant combi, system and open vent boilers and all Vaillant heat pumps and other renewable appliances.

Vaillant

Proudly supporting installers

Key features and benefits

- **Boiler modulation**
  eBUS connection allows the boiler to fully modulate to ensure peak performance

- **Multiple heating circuits with domestic hot water control**
  The wired VRC 700 control can control up to nine heating circuits and the wireless VRC 700f control can control up to three heating circuits

- **Individual zone control**
  Compatible with ambiSENSE thermostatic radiator valves, enabling up to 20 individually controlled rooms

- **Designed with simplicity and familiarity in mind**
  Uses a familiar menu structure for ease of use

- **Takes care of all Vaillant equipment automatically**
  When used on a hybrid system, it automatically chooses the most efficient and cost effective appliance in the system to deliver the most energy efficient solution

- **Flexible time programs**
  Three heating and hot water programs can be set per week or 24 hour period

- **Holiday function**
  Turns heating off while you're away and back on for when you return

- **Accepts on/off signals from third party devices**
  Can interface with third party underfloor heating controls to provide total system flexibility

- **Clear, high contrast backlit display**
  Blue backlit display uses proven technology for super clear information and low energy consumption

- **Programs stored in memory permanently**
  Holds times and temperature programs permanently even in the event of a power failure

- **Works with S, S+ and W plan systems**
  Can control S, S+ and W plan systems when used with our VR 70 and VR 71 wiring centres

- **Works with Y plan system**
  Can control a Y plan system when used with our VR 66/2 wiring centre

- **Fully compatible**
  Compatible with Vaillant combination, system and open vent boilers

Technical data	Unit of measure	System control		System zone control		Accessories	
		VRC 700	VRC 700f	VR 91	VR 91f	VR 70/VR 71	VR 66/2
Article number		0020236291	0020259829	0020171334	0020231566	(VR 70) 0020184844 (VR 71) 0020184847	0020135785
Height	mm	115	115	115	115	293	185
Width	mm	147	147	147	147	277	281.3
Depth	mm	50	50	50	50	68	49.5
Power supply		eBUS 24V	4 X 1.5V (AA) eBUS 24V	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^2					1.5	
Minimum cross-section of the eBUS and sensor wire	mm^2	0.75				0.75	
Current consumption		50mA				VR 70: <4 A VR 71: ≤ 6.3 A	VR 66: <2 A
Level of protection		IP20					
Adjustable temperature range	˚C	5 - 30					
Maximum ambient temperature	˚C	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					

I would like to...

Control a combination boiler or heat pump system with one heating zone and control everything from a single wired/wireless programmable thermostat	Control a system or open vent boiler with one traditional S or Y plan wired heating zone, and control everything from a single weather compensating programmable thermostat

Programmable room thermostat
Wired VRC 700
0020236291
or
Wireless VRC 700f
0020259829

Programmable room thermostat
Wired VRC 700
0020236291
or
Wireless VRC 700f
0020259829

Wiring centre
VR 66/2
0020135785

ErP
Energy-related Products
Class 6 +4%

ErP
Energy-related Products
Class 6 +4%
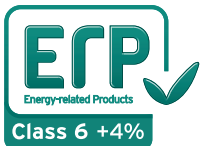
Control a combination, system, open vent boiler or heat pump system with one wired/wireless heating zone and Vaillant's solar thermal hot water, and control everything from a programmable thermostat	Control a system or open vent boiler or heat pump system with one wired/wireless heating zone and hot water, and control everything from a single programmable thermostat

System control pack
Wired VRC 700
1 radiator zone
and solar thermal
0020236295
or
Wireless VRC 700f
1 radiator zone
and solar thermal
0020259833

System control pack
Wired VRC 700
1 radiator zone
and DHW
0020236292
or
Wireless VRC 700f
1 radiator zone
and DHW
0020259830

ErP
Energy-related Products
Class 6 +4%

ErP
Energy-related Products
Class 6 +4%

I would like to...

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Control a combination, system, open vent boiler or heat pump system, two wired/wireless heating zones and hot water using programmable thermostats

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Control a combination, system, open vent boiler or heat pump system with three wired/wireless heating zones and hot water using programmable thermostats

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Control a combination, system, open vent boiler or heat pump system, two wired/wireless heating zones and hot water using programmable thermostats

System control pack
Wired VRC 700
2 radiator zone
and DHW
0020236293
or
Wireless VRC 700f
2 radiator zone
and DHW
0020259831

ErP Energy-related Products
Class 6 +4%

Control a combination, system, open vent boiler or heat pump system with three wired/wireless heating zones and hot water using programmable thermostats

System control pack
Wired VRC 700
3 radiator zone
and DHW
0020236294
or
Wireless VRC 700f
3 radiator zone
and DHW
0020259832

ErP Energy-related Products
Class 6 +4%

Control a combination, system, open vent boiler or heat pump system, two wired/wireless heating zones and solar thermal hot water system

System control pack
Wired VRC 700
2 radiator zone
and solar thermal
0020259834
or
Wireless VRC 700f
2 radiator zone
and solar thermal
0020259835

ErP Energy-related Products
Class 6 +4%

How to video

Vaillant

〰 Heating   ◠ Hot water   ⌀ Renewables

Vaillant Group UK Ltd.
Nottingham Road, Belper, Derbyshire DE56 1JT
Telephone 0345 602 2922
www.vaillant.co.uk
info@vaillant.co.uk

▶ VaillantUK
🐦 vaillantuk
f VaillantUK
◉ vaillant.uk
in Vaillant UK

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