

# Economical energy management requires a clever mind



## Intelligent energy management, comfort and convenience

The Vitotronic control series offers it all! The controls think along – from installation to operation and service.

Versatility: Whether for an apartment, a house or for semi-commercial applications, the Vitotronic control series consistently provides reliable and economical operation of the heating system – and maximizes your heating comfort at the same time!



**Choose from a comprehensive line of  
state-of-the-art heating and  
control technology**

# On the road to comfort: User-friendliness

## As easy to use as the telephone

The Vitotronic control series embodies a completely new operating philosophy, developed with the needs of the end user and the heating contractor in mind.

All operating elements were designed according to the latest ergonomic standards. A special folding mechanism on the Vitotronic 200 and 300 controls allows the user to adjust the display to any desired position. For us, comfort starts with ease of operation – no problem with the Vitotronic controls.

## Controls that think along – saving energy and money!

The control is the brain of your heating system, optimizing the operation of the system as a whole. It performs many tasks independently and efficiently, thereby saving the system owner a lot of energy and money.

Sensors provide up-to-date information about outdoor temperature and, depending on the control model, about room temperature(s) and the supply temperature of the boiler. The control in turn uses this information to calculate adequate room and boiler water temperatures. Time of year and day are also taken into account, and circulating pumps are individually and demand-operated. Bottom line: No energy wasted, operating cost is at a minimum.



## Spending money in the right places

The Holiday Program of the Vitotronic saves you money even when you are away! Enter departure and return dates, and the holiday function of the control will maintain a minimum room temperature during your absence, while making sure, of course, that your home is comfortably warm and hot water is available upon your return.

## Vitotronic 200/300 - User-friendly in design and function

The display of the control is large, clearly legible and illuminated. But better yet – it uses plain language! Anyone can read and understand it, saving the user from searching through the operating instructions.

Easy operation means less operation. Smart operation is achieved when most needs are satisfied before one becomes aware of them. The Vitotronic does exactly that – it controls a lot of functions automatically, such as resetting to daylight savings time. Program switching times can be set at the push of a button. Preset hot water production times and pump operation times are automatically adjusted when changes to space heating program switching times are made.

# Operation made easy!

## Everything under control

Vitotronic control series work on three clearly defined operating levels:

Operating level 1 is designed for the system user. With the control in operating position (with cover open or drawer pulled out) simply turn the dial to adjust the temperature as desired.

For special occasions, a simple push of a button is enough to adjust your heating system. The "Party" button, for example, temporarily overrides night setback and maintains the desired room temperature.

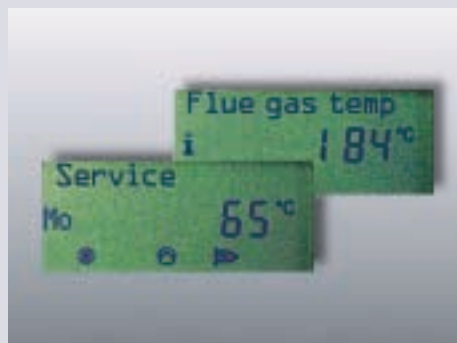
Depending on the control model, selector buttons allow you to adjust the settings for each heating circuit individually.

Operating level 2 is where the switching times and temperature setpoints are set and adjusted. This level is primarily used by the heating contractor and can be accessed by opening the flip-down cover of the control.

Operating level 3 is the coding level. Programming of the control by the heating contractor takes place here. All frequently used parameters are displayed in plain text, while throughout the Vitotronic control series, coding addresses share the same designations.



**Access information at the push of a button!**



**Upcoming maintenance is indicated on the control in plain text for increased reliability and economical operation**



**Operating level 2 allows easy setting of switching times and temperature setpoints**



# Great design – fast installation

With the Vitotronic control series, fast installation is a sure thing. Everything comes ready for plug-in; all connector plugs are unique and clearly marked to prevent installation errors.

Viessmann modular technology ensures many identical installation steps for the entire Vitotronic controls range.

## Easy installation through separation

The electrical connections and operating units are separate to allow the heating contractor to make all electrical connections first. All electrical connections are accessible from all sides and fully visible.

The Rast-5 plug-in connector system, developed according to the plug-coupling principle, makes for easy connection of all control wiring. Installation errors are virtually eliminated. Connectors come prewired and equipped with connector plugs and strain reliefs. All voltage-conducting parts are covered for safety.

The coding card shipped with each boiler allows the control to recognize the boiler model automatically, and provides basic boiler-specific parameters to the control.

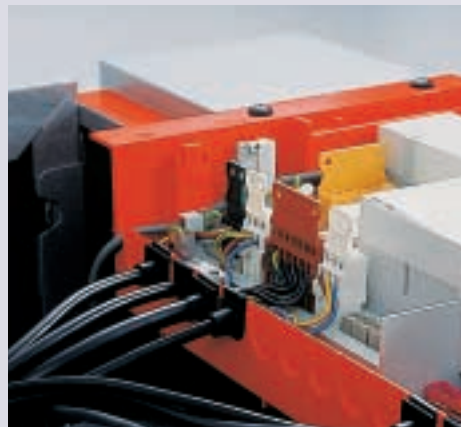
With the entire plug-in terminal strip integrated into the electrical connections unit, the heating contractor can work in a comfortable position while connecting the control unit. Once the electrical connections are complete, the operating unit is quickly mounted and connected with a standard telephone plug.



**Easy mounting with connections and operating units separated**



**Tool-free installation of the base chassis**



**Connection of system componentry with Rast-5 plug-in system**



**Insertion of boiler coding card**



**Easy front access with control in service position**

## Clean & Clear

Especially prominent with all Vitotronic controls is the clean and clear arrangement of all building blocks, the strict separation between line voltage and low voltage connections, as well as the protection of all voltage-conducting and electronic parts through plastic covers. All Vitotronic controls and their accessories are CSA certified in conjunction with Viessmann boilers.

# Vitotronic in a nutshell

## Different series for different needs – Vitotronic 100, 200 and 300

The Vitotronic 200 and 300 control series from Viessmann are high-level boiler controls that manage your entire heating system for you – from standard to the most sophisticated. The many comfort features reliably satisfy the heating needs of any household. Comfort, convenience, intelligent energy management and peace of mind are at the forefront.

For more basic heating systems (without mixing valves), Viessmann offers the Vitotronic 100 control series – an economical way to innovative technology, high quality, reliability and user-friendliness.

## Vitotronic 200/300 Series

- **Outdoor reset function** of Vitotronic 200/300 controls allows the heating system to react to changing weather conditions automatically – **saving energy and money!**
- **Maximum system efficiency** with various operating programs and programmable temperature setback periods.



Vitotronic 300, KW3

- **Total heating comfort**

No room temperature fluctuations with room and outdoor sensor feedback.

- **User-friendly operation:**

- Large display with plain text.
- Easy-to-set program switching times.
- Different programming levels for heating contractor and system user.

- **Ultimate flexibility:**

- “Savings” and “Party” timer override buttons.
- Remote control options.

- **Domestic hot water supply management** – domestic hot water priority during preset hot water production times.

- **Everything taken care of:**

- Automatic service interval display
- Fuel consumption display
- Automatic resetting to daylight savings time.
- Automatic warm weather shutdown of heating pumps.

- **Fast installation, start-up and service** with Viessmann Quick-Connect plug-in and integrated diagnostic systems.

- **PC interface options**



Vitotronic 100, KW10

## Vitotronic 100 Series

- **Choose from** two models:

KK10 – setpoint control with room thermostat connection  
KW10 – basic outdoor reset control with optional room thermostat connection.

- **Outdoor reset function** of KW10 allows the heating system to react to changing weather conditions automatically – **saving energy and money!**

- **Total heating comfort**

No room temperature fluctuations with room and/or outdoor sensor feedback.

- **Two-stage burner control option** for **demand-driven heating system operation.**

- **Extra safety** with operating, high limit and pump aquastats.

- **Domestic hot water control** with connection of DHW pump module.

- **Simplicity & Ease**

Status lights for power, call-for-heat and fault indication.

- **Boiler protection logic** safeguards the boiler against flue gas condensation.

- **Fast installation, start-up and service** with Viessmann Quick-Connect plug-in and integrated diagnostic systems.

# Maximizing your comfort level: Vitotrol remote controls

With Vitotrol remote controls, Viessmann is responding to the growing desire for comfort and convenience. The Vitotrol remote controls combine the most important operating functions of the heating system into an easy-to-use remote control unit. We bring comfort, convenience and ease of operation right into your living room.

## Vitotrol 200

With the Vitotrol 200, you can adjust the normal room temperature and/or activate the party or economy modes from any given room. For optimized comfort, you can activate the built-in temperature sensor for room temperature feedback.

## Vitotrol 300

The Vitotrol 300 offers the same functions as the Vitotrol 200, plus adjustment capabilities for normal room temperature or setback temperature and switching times. The illuminated display with plain text information of the Vitotrol 300 makes it easy to select and change important data.



## Overview of control features

	Vitotronic 100			Vitotronic 200 KW2	Vitotronic 300 KW3		Vitotronic 100			Vitotronic 200 KW2	Vitotronic 300 KW3
	KK5	KK10	KW10				KK5	KK10	KW10		
On/off control	■	■				Remote switching (Switching Module-V)				■	■
Outdoor reset control			■	■	■	Operating hours counter*				■	■
Plain text language display				■	■	Fuel consumption counter*				■	■
Automatic sensor/system recognition				■	■	"Power-on" and "call-for-heat" display		■	■	■	■
Room thermostat connections	■	■	■			Failure display		■	■	■	■
Remote control connections				■	■	Diagnostic system				■	■
Digital setback timer				■	■	Fault history display				■	■
Two-stage burner control		■	■	■	■	Service interval display				■	■
Modulating burner control				■	■	Communication port				■	■
DHW control				■	■	<b>Control Options:</b>					
DHW re-circulating pump control				■	■	HK-1		■	■	■	■
Mixing valve control (one circuit)				■	■	HK-1 Universal		■	■	■	■
Mixing valve control (two circuits)					■	Flue gas temperature sensor					■
Automatic resetting to daylight savings time				■	■	Return water temperature sensor				■	■
Concrete floor drying program (RFH)				■	■	Vitotrol 200 (remote control)				■	■
Minimum boiler water temperature protection	■	■	■	■	■	Vitotrol 300 (remote control)				■	■
Pump logic function				■	■	Fault output				■	■
Freeze-up protection				■	■	Universal pump control module (DHW)	■	■	■		

\*Available with power burner only.





## Viessmann

With 6,800 employees around the world, the Viessmann Group is one of the leading manufacturers of heating technology worldwide. Viessmann represents competence and innovation and offers you a wide variety of high-tech heating products, each a design-matched component in the progressive Viessmann system technology. Despite their diversity, Viessmann products have one thing in common: a high standard of quality throughout the entire product line that translates into operational reliability, energy savings, environmental friendliness and operational comfort.

Viessmann innovations lead the industry not only in conventional heating technology, but also in the area of renewable energy sources such as solar and heat pump technology.

All of our products are developed in accordance with our philosophy to achieve the greatest value at all times – for our customers and our business partners.

Contact the Viessmann office in Canada or U.S.A. for the name of the Viessmann Sales Representative closest to you.

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**Viessmann meets all your heating needs with a diverse, yet completely harmonized product range.**

