



**TERMA**

SINCE 1990

**TERMA SMART-WIFI**

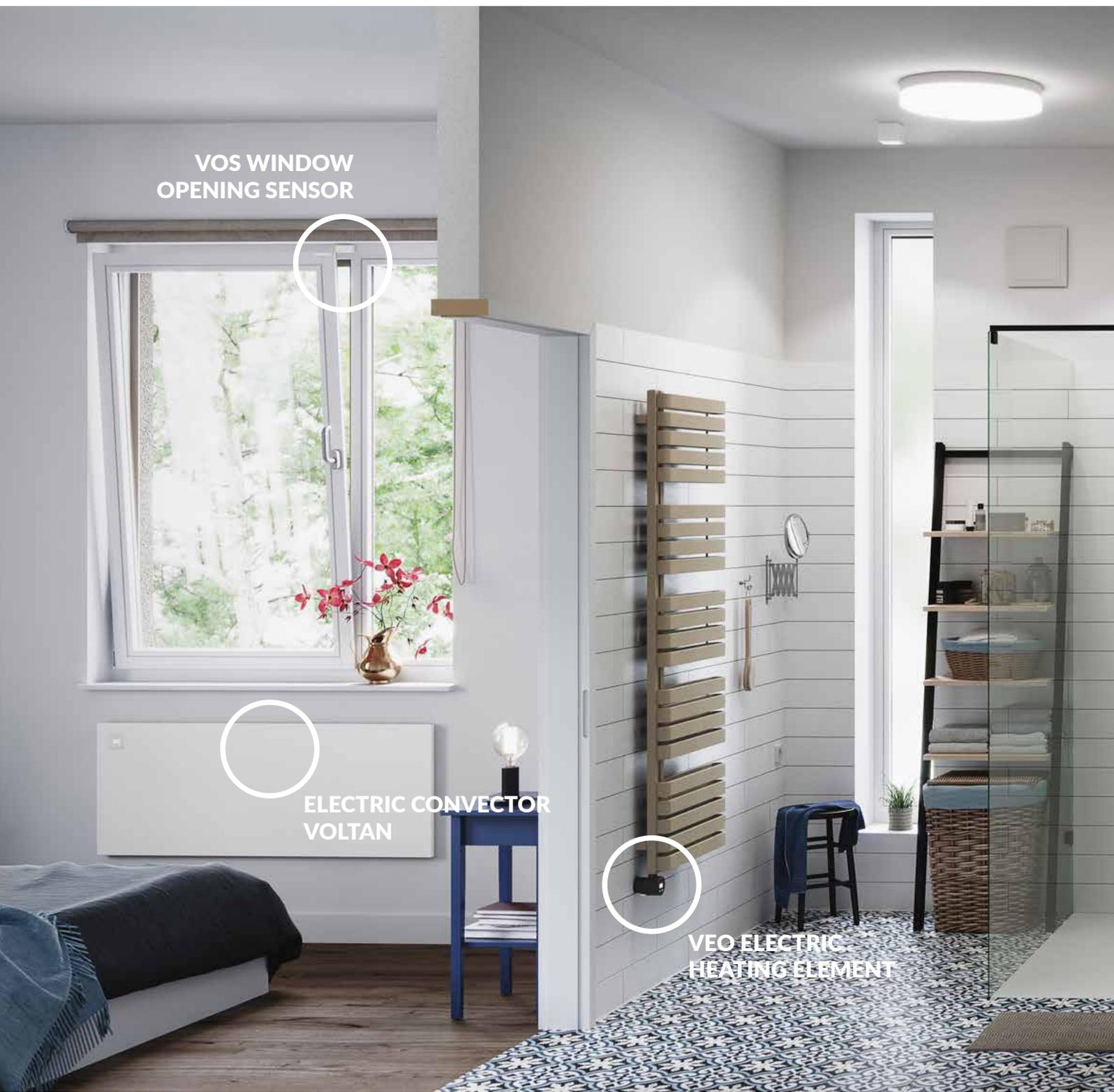




**TERMA**

SINCE 1990

[www.termaheat.com](http://www.termaheat.com)



VOS WINDOW  
OPENING SENSOR



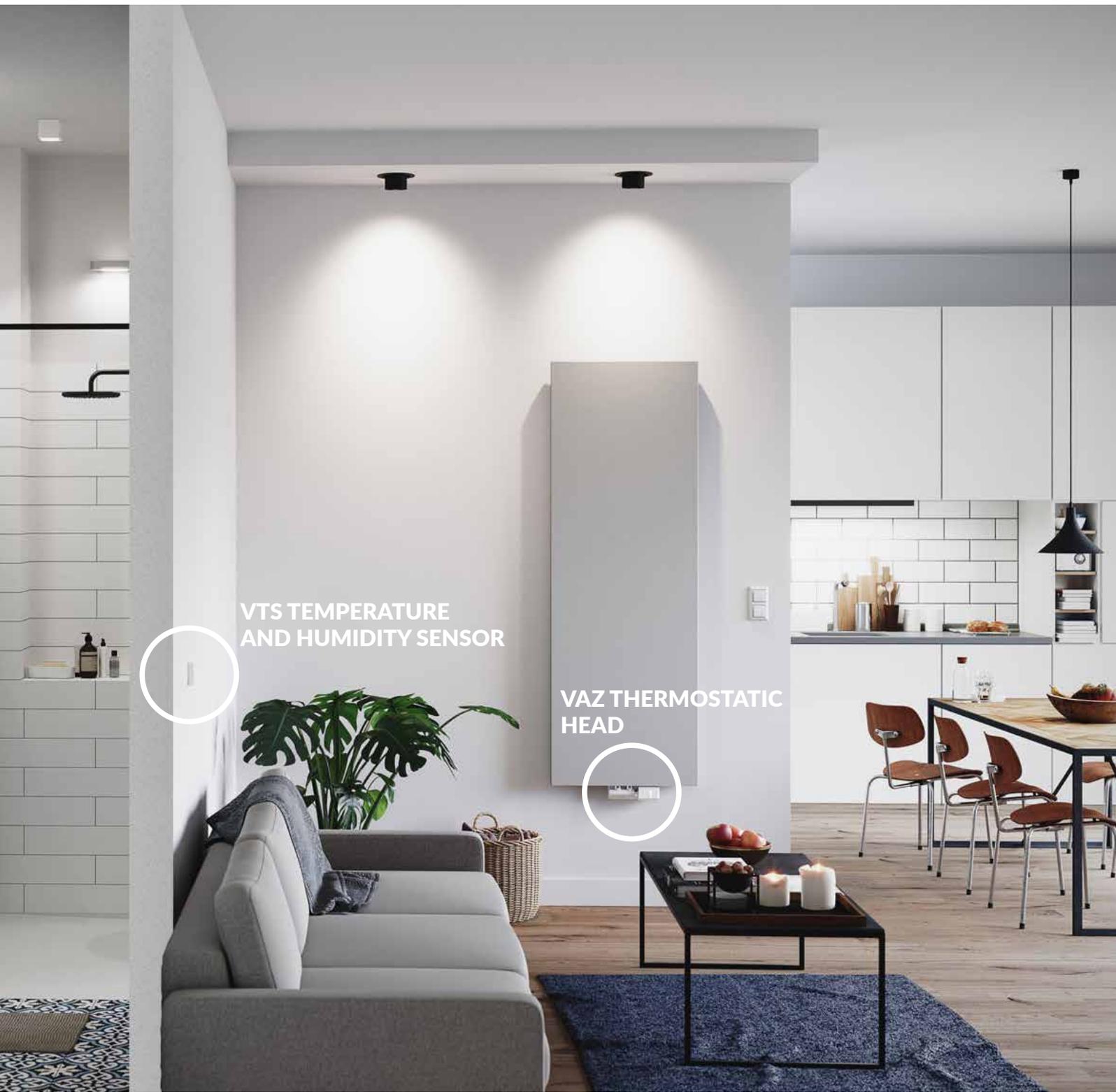
ELECTRIC CONVECTOR  
VOLTAN



VEO ELECTRIC  
HEATING ELEMENT

## THE TERMA SMART WI-FI SYSTEM:

- an innovative interior heating system with a self-learning control algorithm,
- the possibility of creating an individual configuration based on three types of devices and two types of sensors,
- a set of tools facilitating conscious energy management and savings, such as predefined system operation modes, individual schedules or window opening control,
- active adjustment of operating parameters to weather conditions,

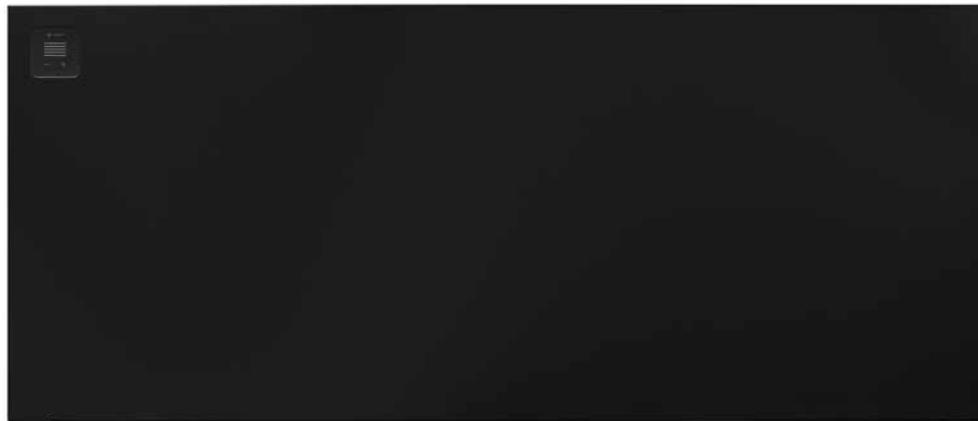


VTS TEMPERATURE  
AND HUMIDITY SENSOR

VAZ THERMOSTATIC  
HEAD

- intelligent reduction of the temperature in an empty house and raising it when residents return home;
- possibility of remote control over the system operation via the Internet,
- Child lock function (parental control) for all devices,
- no need to install an expensive module for communication between devices.

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# TERMA SMART

## TAILOR-MADE APPLICATION

Allows the comfort of remote management of each Terma Smart wi-fi heating device.

Makes it easier to manage home by dividing it into heating zones and setting separate system operating parameters for each of them.

Provides measurable economic benefits through easy optimization of energy consumption for heating the house. Helps to maintain high thermal comfort at all times by means of work schedules adjusted to individual needs.

Allows easy monitoring of the operation of devices throughout the home.

Allows easy monitoring of the costs generated by the system.

Allows the integration of any number of heating devices, which makes it a perfect room temperature management system in flats and apartments.

## SAFETY AND SMART OPTION

User safety is ensured by drivers based on temperature control algorithms, and each heating device has a type-specific thermal protection to prevent overheating. The AntiFrost protection function and the (optional) window opening sensor remain active in the background.

The self-learning Early Start function and the three operating modes (Comfort, Balanced and Economic) support the individual preferences of the user. The SMART location function reduces the temperature in each room whenever all the inhabitants leave the house.



**CONTROL  
PANEL COLOUR**

Check the current palette  
of available radiator colours



# ELECTRIC CONVECTOR VOLTAN

## FUNCTIONALITY AND DESIGN

The VOLTAN is a state-of-the-art convector electric radiator – easy to use, efficient, and at the same time adhering very close to the wall and blending into the background. The radiator is equipped with a low-temperature 1000 or 2000 W heat exchanger and an advanced controller with a self-learning control algorithm.

The control panel on the device allows basic adjustments, whereas remote control and additional system functionalities are available through the free Terma SMART control application. The device works with window sensors and an additional temperature and humidity sensor from the SMART series.

## FEATURES AND BENEFITS

- High power output in spite of a very slim housing
- Inspiring, original and functional design
- Advanced functions: intensive heating, SMART location, work scheduling and others

## FITTINGS

- Mounting kit

## TECHNICAL DATA

Power supply: 230 V / 50 Hz

Connection type: P (Straight cable without plug)\* / W (Straight cable with plug)\*  
(type of power cord)

IP code [IP]: IPx24

Temperature measurement: room temperature

Safety Class: Class II

\* device intended for permanent connection to the mains

## CODE CONFIGURATION TABLE

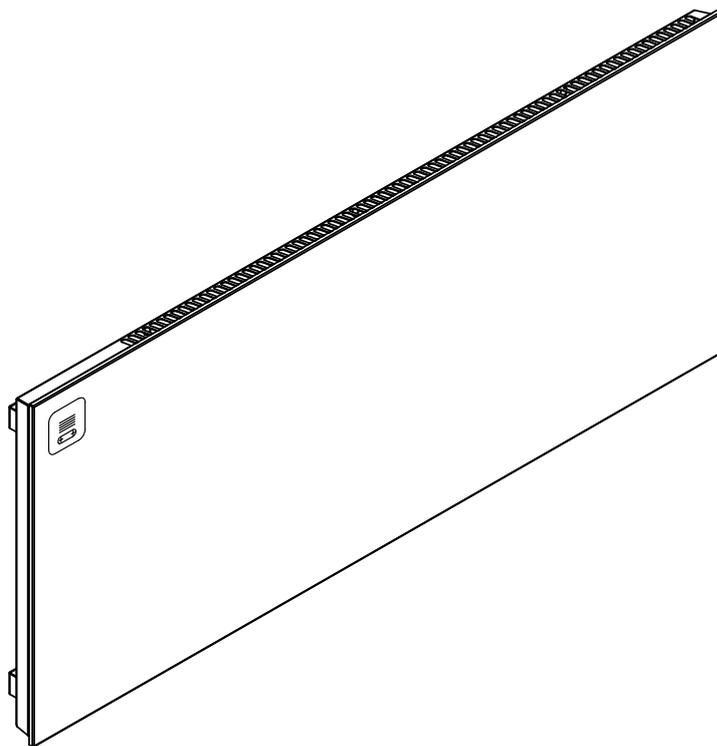
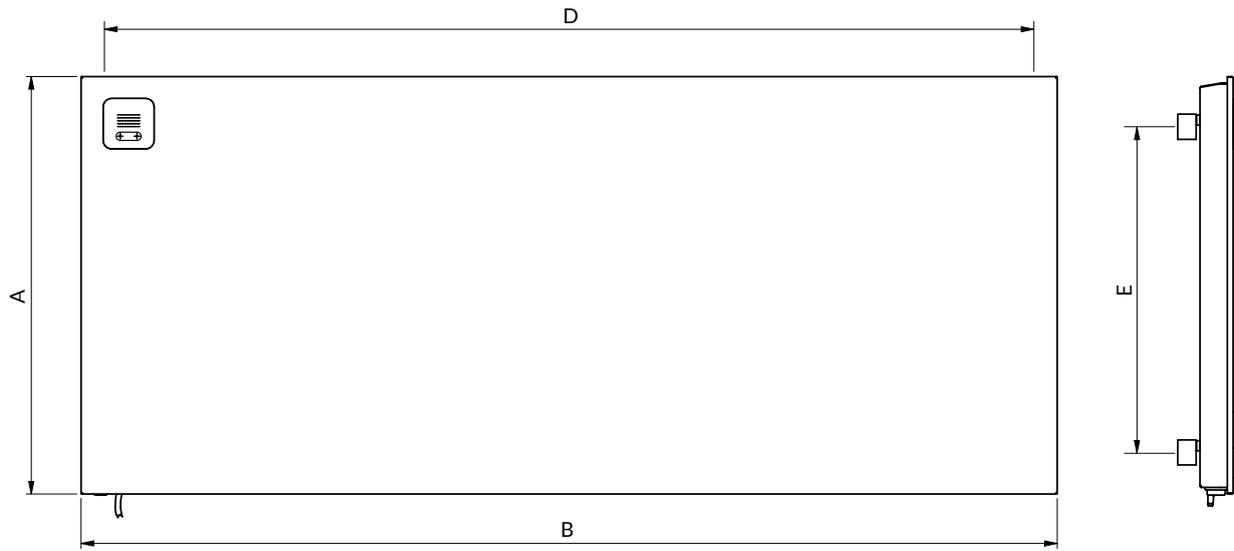
### VOLTAN CONVECTOR RADIATOR

model	A [mm]	B [mm]	Power output	D [mm]	E [mm]	Product code <small>(add configuration code)</small>
VOLTAN 1kW	500	660	1000W	390	590	WKVTN050066 ...
VOLTAN 2kW	500	1160	2000W	390	1090	WKVTN050116 ...

A – Height B – Width D – Horizontal distance between mounting bracket centres E – Vertical distance between mounting brackets

packaging	packaging code	radiator colour	radiator colour code	control panel and power supply location	control panel and power supply location code	cable type	cable type code	additional protective coating	additional protective coating code	Control panel (and power able) colour	control panel code
cardboard box	K	White	916	Left	E1	Straight cable with plug	W	Epoxy	E	White	1
		Black	9M5	Right	E8	Straight cable without plug	P	no coating	X	Black	2

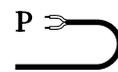
# TECHNICAL DRAWING



Straight cable with plug



Straight cable without plug



A – Height B – Width D – Horizontal distance between mounting bracket centres E – Vertical distance between mounting brackets



**SAMPLE ORDER CODE:**

**WK|VTN|050|066 K|9M5|E1|W|X|2**

- WK** – product group
- VTN** – model code
- 050** – height code (500 mm)
- 066** – width code (660 mm)
- K** – packaging code (cardboard box)
- 9M5** – colour code (RAL 9005 Matt)
- E1** – Connection type (left-hand version)
- W** – Cable code (straight cable with plug)
- X** – additional protective coating code (none)
- 2** – control panel code (black control panel)





8 COLORS  
CONFIGURATIONS



# VEO ELECTRIC HEATING ELEMENT

## FUNCTIONS AND FEATURES

### FUNCTIONALITY

The remotely controlled VEO Smart heating element offers 5 room temperature settings ranging from 15 to 28 °C, a convenient DRYER function and a 7-day work schedule. The full functionality of the heating element is available through the TERMA Smart control application. The built-in temperature sensor allows basic operation control, but an external temperature and humidity sensor (shared by several devices in one room; sold separately) is designed for precise measurement of temperature in the entire room. The heating element can be installed both vertically and horizontally.

### REMOTE CONTROL

The device can be controlled remotely by means of the free TERMA Smart control application (Android / iOS) installed on any portable device (e.g. smartphone or tablet) that allows you to connect to the Wi-Fi network. From a single mobile device, you can control any number of Smart series devices, both locally from home and externally, via the Internet. The Smart system consists only of heating devices and sensors, and no additional control module is required.

### SAFETY

The device is equipped with automatic protection against overheating and the ANTIFROST function preventing the radiator from freezing. The device signals alarm states directly on the interface and through the control application.

### DESIGN AND CONSTRUCTION

The 5-segment LED indicator shows the currently set operating temperature, signals the TIMER activation or active protection functions. The control panel adapts to the installation position of the heating element (vertical or horizontal). The Smart SPLIT connector allows you to connect the controller to a Smart heating element of any power. Two power supply options are available – a cable or a special rotary connector with a masking cover.

### COLOUR

Main housing with the control panel in white or black. Decorative side covers in the following colours: white, silver, Chrome and black. The device is also available in any RAL colour and Terma special colours (brass and gold) subject to a minimum order of 100 pcs per colour.



## TECHNICAL DATA

Power supply: 230 V / 50 Hz

Device protection class: Class I or Class II

Power supply connection: PB\*, PW, SW, MS\*

Radiator connection: G 1/2"

IP code\*\*: IPx5

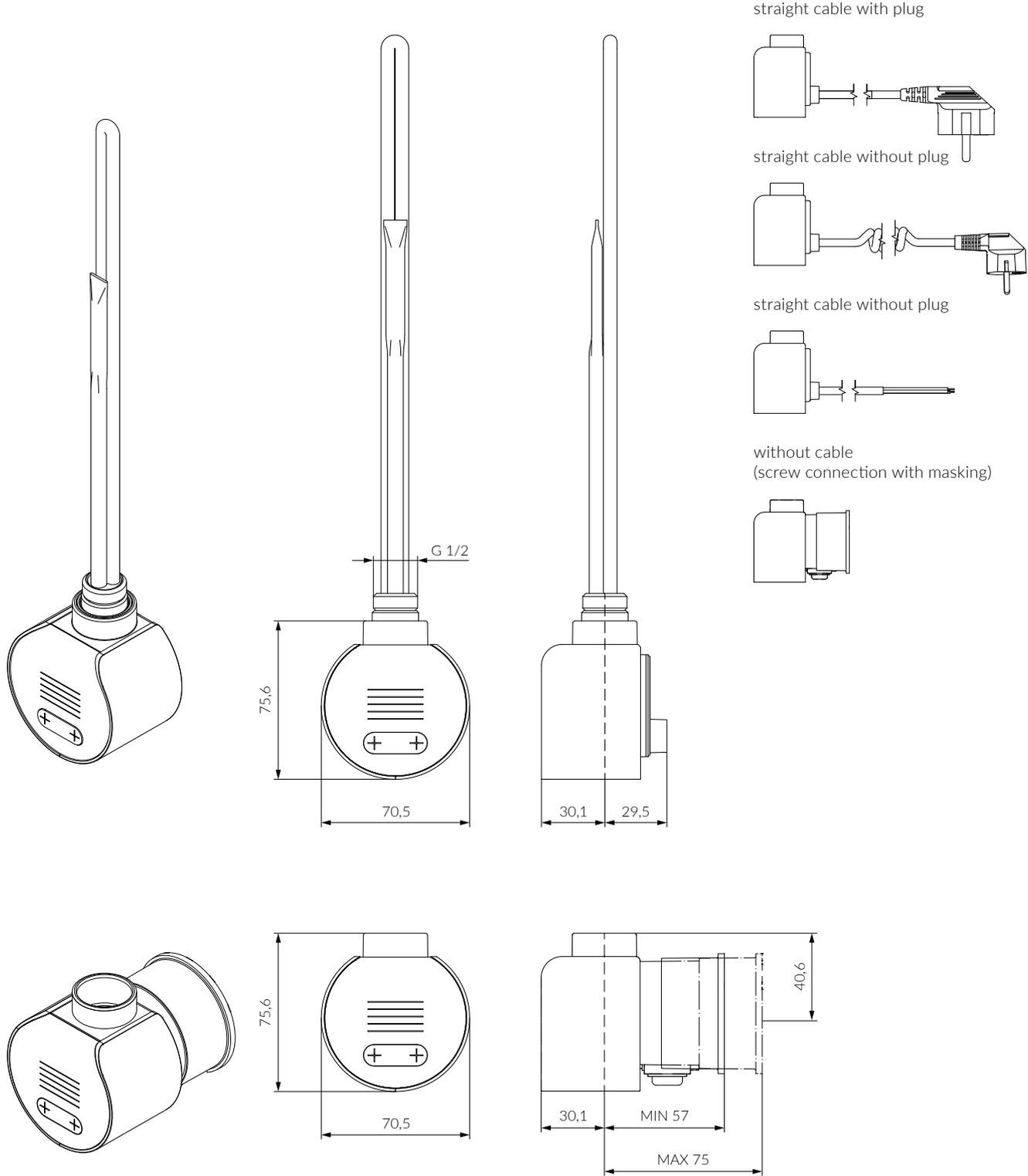
Temperature measurement: room temperature

Power range: Class I 120–2000 W, Class II 100–2000 W

\* device intended for permanent connection to the mains

\*\* IP code specifies the degree of protection provided by enclosure

# TECHNICAL DRAWING



## HEATING ELEMENT LENGTH

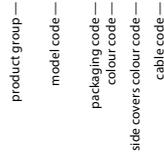
SS1 (Class I)	power [W]	120	200	300	400	–	600	800	1000	1200	1500	1800	2000
	length [mm]	325	285	310	345	–	375	485	575	670	880	1015	1150
SS2 (Class II)	power [W]	100	200	300	400	500	600	800	1000	1200	1500	1800	2000
	length [mm]	165	220	260	350	350	465	600	670	670	670	670	670

# CODE CONFIGURATION TABLE

## VEO CONTROLLER

product group code	model code	model	packaging code	packaging	housing colour code	housing colour	side covers colour code	side covers colour	connector code	cable type
WE	VEO SEO	VEO (Class I) VEO (Class II)	K	cardboard	W B	white black	WX	white	W	straight cable with plug
							BX	black	P	straight cable without plug
							SX	silver	U	spiral cable with plug (only class I)
							CX	Chrome	S	screw connection with masking cover (without cable)

Sample order code: WE|VEO|K|BBX|S

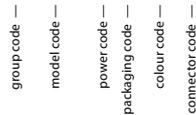


## SS1 AND SS2 HEATING ELEMENT

product group code	model code	model	power code	power	packaging code	packaging	colour code	colour	connector code	Split connector
WE	SS1 SS2	SS1 (Klasa I) SS2 (Klasa II)	01	120*	K	cardboard	---	none	D E	Class I Split connector Class II Split connector
			01	100**						
			02	200						
			03	300						
			04	400						
			05	500**						
			06	600						
			08	800						
			10	1000						
			12	1200						
			15	1500						
			18	1800						
			20	2000						

\* power option available only for class I device  
 \*\* power option available only for class II device

Sample order code: WE|SS1|20|K|---|D





8 COLORS  
CONFIGURATIONS



# VAZ THERMOSTATIC HEAD

# FUNCTIONS AND FEATURES

## SOPHISTICATED DESIGN

Sophisticated design of the SMART family, elegant black or the timeless white of the housing are the hallmarks of the VAZ thermostatic head. Together with the fading display, they enhance the subtle looks of the entire device. The thermostatic head is powered by a high-performance battery cell, which can last for the entire heating season on a single charge\* (depending on the selected operating mode). Extremely easy installation and the auto-calibration procedure allow the head to be installed in almost any radiator and on any type of thermostatic valve. Basic regulations are available through the control panel of the device, and the full functionality of the system is realised through the TERMA Smart mobile application. The device works with window opening sensors and an additional temperature and humidity sensor from the SMART series.

(\* in ECONOMY mode, with moderate intensity of system operation)

## FUNCTIONALITY

The remotely controlled VAZ Smart thermostatic head offers 5 room temperature settings ranging from 15 to 28 °C and a 7-day work schedule. The full functionality of the head is available through the TERMA Smart control application. The device has a built-in temperature sensor, but as part of the Smart system it also works with an external temperature and humidity sensor and a window opening sensor.

## REMOTE CONTROL

The device can be controlled remotely by means of the free TERMA Smart control application (Android / iOS) installed on any portable device (e.g. smartphone or tablet) that allows connection to the Wi-Fi network. From a single mobile device, we can control any number of Smart series devices, both locally from home and externally, via the Internet. The Smart system consists only of heating devices and sensors, and no additional control module is required.

## SAFETY OF THE INSTALLATION AND THE HEATER

The head features the ANTIFROST function activated automatically when the ambient temperature drops to approx. 6 °C in order to prevent the radiator from freezing. Also in the event of a critically low battery level, the head opens the valve in emergency mode to avoid accidental freezing of the system. The device signals alarm states directly on the interface and through the control application.

## DESIGN AND CONSTRUCTION

The 5-segment LED indicator shows the currently set operating temperature and signals the active additional functions. The control panel adapts to the installation position of the head (vertical or horizontal). Battery charging socket is hidden under the front cover. The pushing shaft retraction function allows convenient installation and removal of the head. Ready for mounting on the valve with M30x1.5 thread (adapters for Danfoss RA, RAV, RAVL, M28x1.5 valves and Giacomini and Caleffi valves available as separate accessories).

## COLOURS

Main housing with the control panel in white or black. Decorative side covers in the following colours: white, silver, Chrome and black. The device is also available in any RAL colour and Terma special colours (brass and gold) subject to a minimum order of 100 pcs per colour.



## TECHNICAL SPECIFICATIONS

Power supply: 5.8 Ah battery pack

Device protection class: Class III

Radiator connection: M30 x 1,5

IP code\*: IP20

\* IP code specifies the degree of protection provided by enclosure

## ADAPTERS



Thermostatic head adapter for a RAV valve



Thermostatic head adapter for a M28 x 1.5 valve

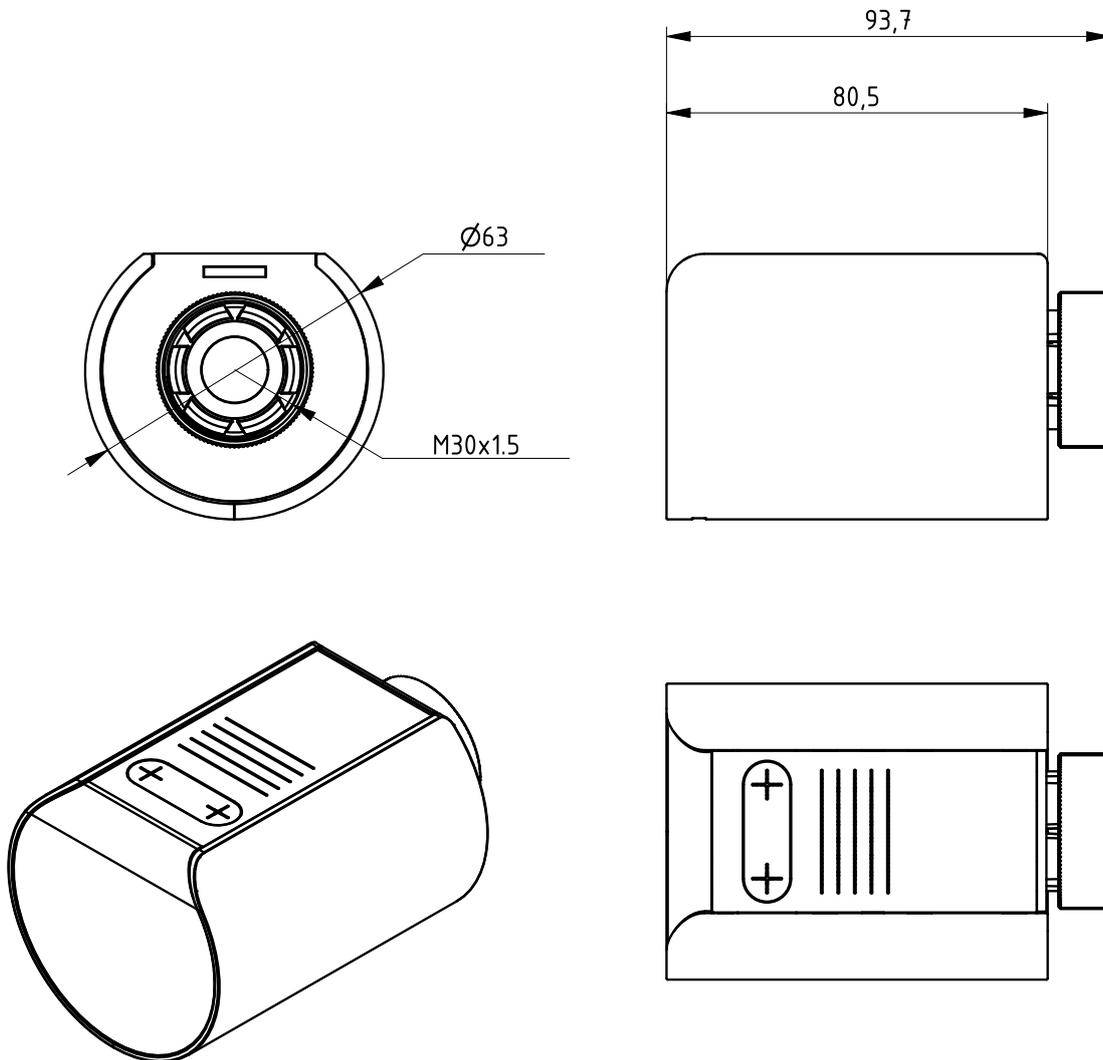


Thermostatic head adapter for a RAVL valve



Thermostatic head adapter for a RA valve

## TECHNICAL DRAWING



## SPECIFICATION

model	housing colour code	side covers colour	product code	configuration code
VAZ	White	White	WIVAZ	KWWX
VAZ	White	Black	WIVAZ	KWBX
VAZ	White	Silver	WIVAZ	KWSX
VAZ	White	Chrome	WIVAZ	KWCX
VAZ	Black	White	WIVAZ	KBWX
VAZ	Black	Black	WIVAZ	KBBX
VAZ	Black	Silver	WIVAZ	KBSX
VAZ	Black	Chrome	WIVAZ	KBCX



COLOURS



# VTS TEMPERATURE AND HUMIDITY SENSOR

## FUNCTIONS AND FEATURES

### FUNCTIONALITY

The sensor continuously monitors the temperature and humidity in the room and sends information to all SMART heating devices assigned to one zone with the sensor. The measurement accuracy of the device is half a degree. The sensor readings are displayed in the application as the temperature and humidity of the entire zone.

### DESIGN AND CONSTRUCTION

The small housing of the sensor is suspended on the mounting plate, which enables easy removal of the sensor from the wall. The mounting plate can be fastened with screws or double-sided tape. The set includes power batteries (2xAAA).

### COLOUR

The sensor housing is available in white or Silver Matt.



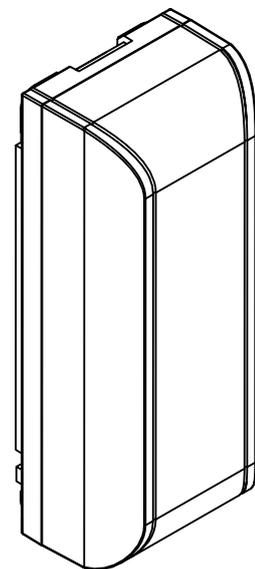
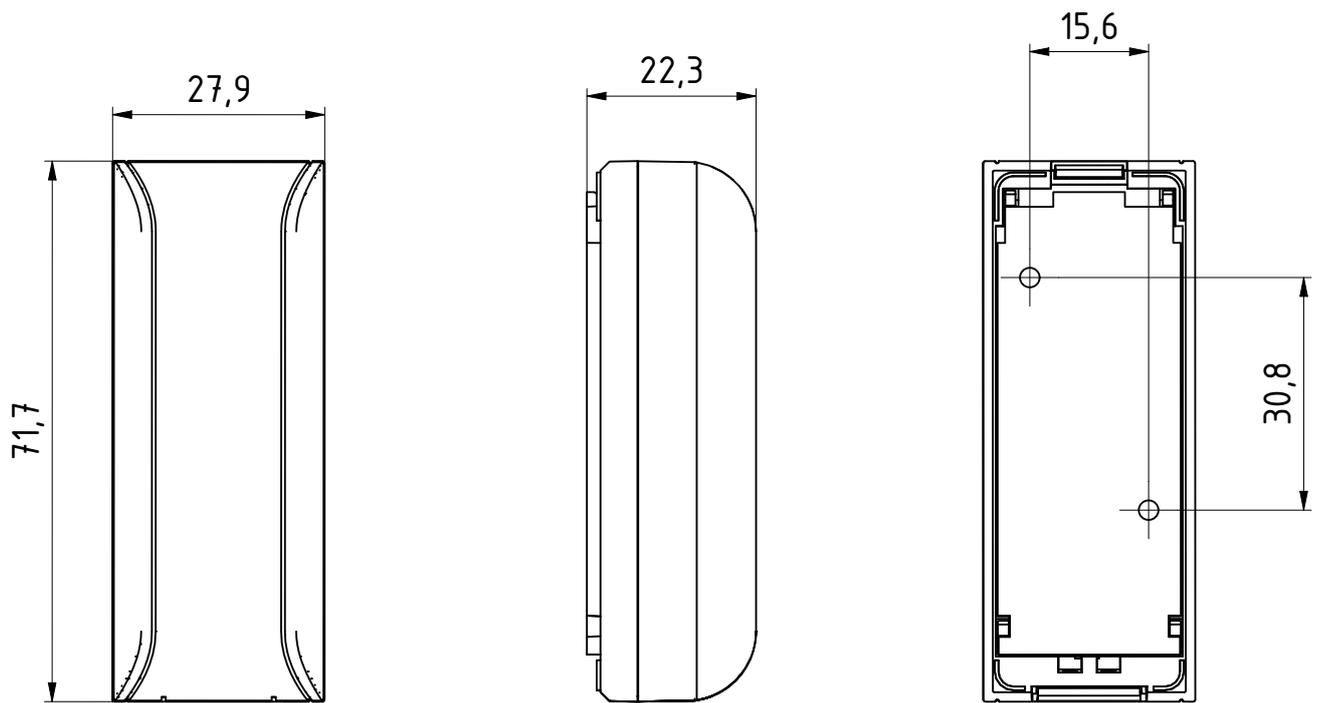
## TECHNICAL SPECIFICATIONS

Power supply: battery pack 2x AAA

IP code\*: IP20

\* IP code specifies the degree of protection provided by enclosure

## TECHNICAL DRAWING



## SPECIFICATION

model	housing colour code	product code	configuration code
VTS	White	WIVTS	K916
VTS	Silver Matt	WIVTS	KSMA



COLOURS



# VOS WINDOW OPENING SENSOR

## FUNCTIONS AND FEATURES

### FUNCTIONALITY

The magnetic proximity sensor reacts to the opening of the window on which it is mounted and sends information which triggers turning off the heating in a given zone. When the window is closed, the heating in the zone resumes in accordance with the current work schedule.

### DESIGN AND CONSTRUCTION

The small housing of the sensor is suspended on the mounting plate, which enables easy removal of the sensor from the window whenever necessary (it is also possible to mount the sensor directly on the window frame). We recommend attaching the sensor components to the frame with double-sided tape (without using screws). The set includes power batteries (2 x AAA).

### COLOUR

The sensor housing is available in white or Silver Matt.



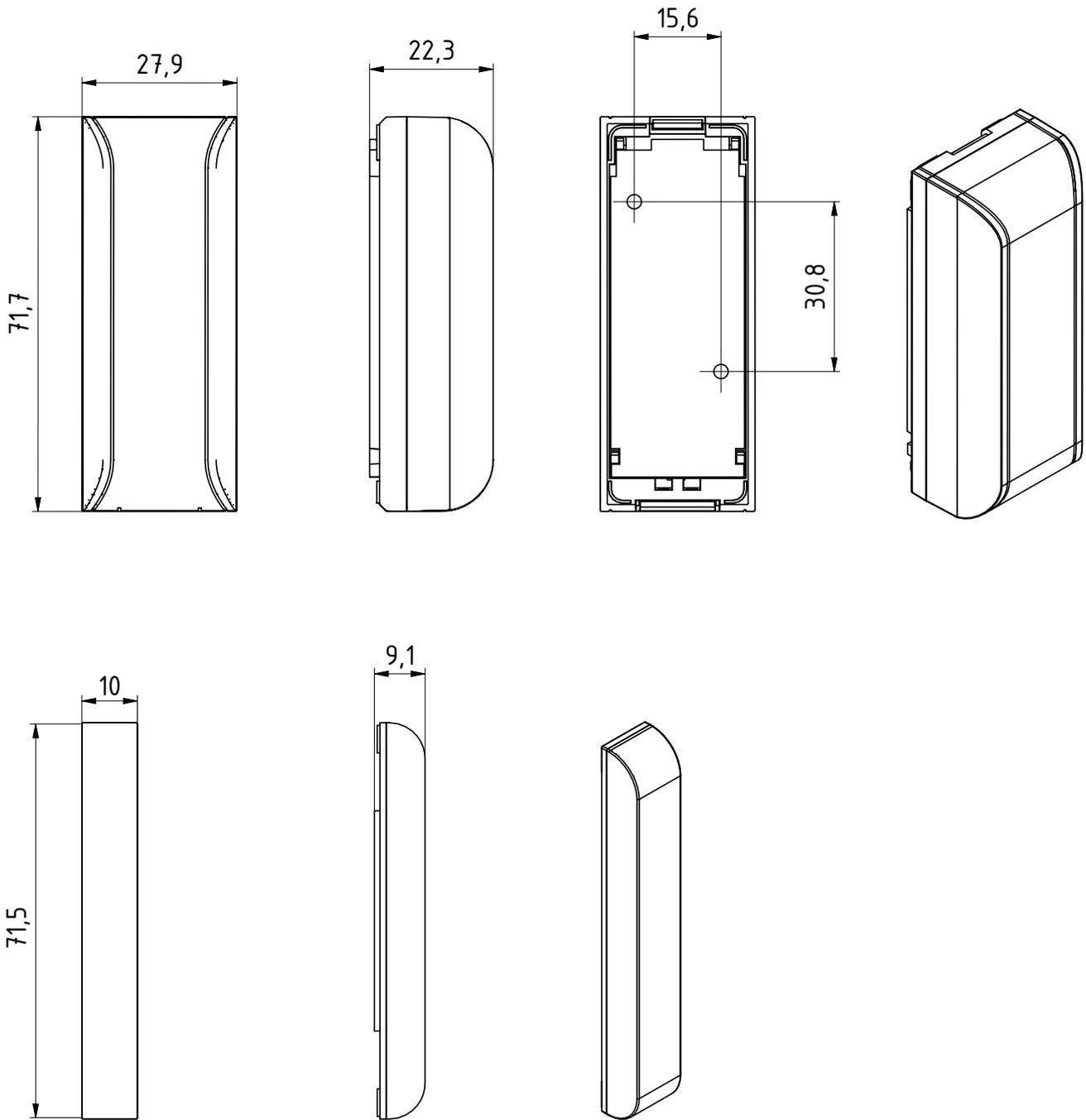
## TECHNICAL SPECIFICATIONS

Power supply: battery pack 2x AAA

IP code\*: IP20

\* IP code specifies the degree of protection provided by enclosure

## TECHNICAL DRAWING



## SPECIFICATION

model	housing colour code	product code	configuration code
VOS	White	WIVOS	K916
VOS	Silver Matt	WIVOS	KSMA

# PRICING

Product code	Type of coating	Name	List prices (EUR)
WESS101	WE Inox SMART STANDARD	heating element SMART Split kl.I, 120W	23,17
WESS102	WE Inox SMART STANDARD	heating element SMART Split kl.I, 200W	23,17
WESS103	WE Inox SMART STANDARD	heating element SMART Split kl.I, 300W	23,17
WESS104	WE Inox SMART STANDARD	heating element SMART Split kl.I, 400W	23,17
WESS106	WE Inox SMART STANDARD	heating element SMART Split kl.I, 600W	23,17
WESS108	WE Inox SMART STANDARD	heating element SMART Split kl.I, 800W	23,17
WESS110	WE Inox SMART STANDARD	heating element SMART Split kl.I, 1000W	23,17
WESS112	WE Inox SMART STANDARD	heating element SMART Split kl.I, 1200W	23,17
WESS115	WE Inox SMART STANDARD	heating element SMART Split kl.I, 1500W	23,17
WESS118	WE Inox SMART STANDARD	heating element SMART Split kl.I, 1800W	23,17
WESS120	WE Inox SMART STANDARD	heating element SMART Split kl.I, 2000W	23,17
WEVEO	WE paint SMART K STANDARD	heating element TERMA Smart VEO	156,10
WEVEO	WE Chrome SMART K STANDARD	heating elementT TERMA Smart VEO	156,10
WEVEO	WE Chrome SMART K STANDARD	heating element TERMA Smart VEO	156,10
WEVEO	WE Chrome SMART Z STANDARD	heating element TERMA Smart VEO	156,10
WIVAZ	paint SMART STANDARD	thermostatic head TERMA Smart VAZ	143,90
WIVAZ	Chrome SMART STANDARD	thermostatic head TERMA Smart VAZ	143,90
WIVOS	White SMART STANDARD	VOS window opening sensor TERMA Smart	79,27
WIVTS	White SMART STANDARD	VTS temperature and humidity sensor TERMA Smart	79,27
WKVTN050066	White SMART STANDARD	electric radiator TERMA VOLTAN (1kW) 500/660	285,37
WKVTN050116	White SMART STANDARD	electric radiator TERMA VOLTAN (2kW) 500/1160	312,20
WESS201	WE Inox SMART STANDARD	heating element SMART Split kl.II, 100W	42,44
WESS202	WE Inox SMART STANDARD	heating element SMART Split kl.II, 200W	42,44
WESS203	WE Inox SMART STANDARD	heating element SMART Split kl.II, 300W	42,44
WESS204	WE Inox SMART STANDARD	heating element SMART Split kl.II, 400W	42,44
WESS205	WE Inox SMART STANDARD	heating element SMART Split kl.II, 500W	42,44
WESS206	WE Inox SMART STANDARD	heating element SMART Split kl.II, 600W	42,44
WESS208	WE Inox SMART STANDARD	heating element SMART Split kl.II, 800W	42,44
WESS210	WE Inox SMART STANDARD	heating element SMART Split kl.II, 1000W	53,90
WESS212	WE Inox SMART STANDARD	heating element SMART Split kl.II, 1200W	53,90
WESS215	WE Inox SMART STANDARD	heating element SMART Split kl.II, 1500W	53,90
WESS218	WE Inox SMART STANDARD	heating element SMART Split kl.II, 1800W	53,90
WESS220	WE Inox SMART STANDARD	heating element SMART Split kl.II, 2000W	53,90



All information and prices provided in this Heating Products List Prices was correct at time of printing. Although this will be avoided where possible, Terma reserves the right to review its prices where required. An excel based version of this price list is available on request which will detail any changes to prices. In accordance with the policies within the Terma Group that expresses the necessity of constant development, some technical features of products as well as their detailed descriptions may vary in the future from their state at the time of this publication.