

Veria Control WT45

Wi-Fi Thermostat



SmartLife- Smart Living



Compliance:

- EN/IEC 62368-1:2014+A11:2017 (LVD)
- EN 301 489-1 V.2.2.3:2019 (EMC)
- EN 301 489-17 V3.2.4:2020 (EMC)
- EN 300 328 V.2.2.2:2019 (Radio)
- EN 18031-1:2024 (Cybersecurity)

The Veria Control WT45 Wi-Fi Thermostat is an advanced electric floor heating controller with integrated Wi-Fi connectivity. It enables remote control via a dedicated mobile app, as well as intuitive local operation through a modern touch interface.

Designed for flexibility and energy efficiency, the thermostat supports multiple control modes and includes smart features such as Open Window Detection, Child Lock Function, ECO mode to reduce energy consumption while maintaining comfort.

Technical specifications:

Operation voltage	AC 85-250 V ~ 50/60 Hz
Standby power consumption	< 0.5 W
Relay:	
Resistive load	< 16 A
Inductive load	< 1 A
Sensing unit	NTC 10 kΩ (default) NTC 15 kΩ
Regulation	Hysteresis $\pm 0.5^{\circ}\text{C}$
Ambient temperature	0 $^{\circ}\text{C}$ to 40 $^{\circ}\text{C}$
Frost protection	5 $^{\circ}\text{C}$
Floor temperature limit	20-45 $^{\circ}\text{C}$
Temperature range	Room temperature: 5 $^{\circ}\text{C}$ to 35 $^{\circ}\text{C}$ (default 20 $^{\circ}\text{C}$) Dual control: 5 $^{\circ}\text{C}$ to 35 $^{\circ}\text{C}$ Floor-only: 5 $^{\circ}\text{C}$ to 45 $^{\circ}\text{C}$
Frost protection	5-15 $^{\circ}\text{C}$, default 5 $^{\circ}\text{C}$
Temperature calibration	$\pm 10^{\circ}\text{C}$ adjustment (default 0 $^{\circ}\text{C}$)
Storage temperature	-20 $^{\circ}\text{C}$ to 60 $^{\circ}\text{C}$, 90% RH non-condensing
Connection	Wi-Fi 802.11 b/g/n
Transmission Frequency	2,412 - 2,472 GHz
Transmission Power	< 20 dBm
Cable specification	Max: 1 x 4 mm ² or 2 x 2.5 mm ²
Pollution degree	2 (domestic use)
IP class	IP20
Protection class	Class II -
Dimensions (H/W/D)	86 x 86 x 15.5 mm
Weight	150 g

Product range:

Veria Control WT45	Product number
Veria Control WT45 White	189B4071
Veria Control WT45 Black	189B4072

Veria is a leading Danish manufacturer of electrical floor heating systems. It is our aim to enhance the quality of life by ensuring comfortably warm floors and thus improving the environment of family life.

