

MULTIZONE CONTROLLER

Smart set underfloor heating

The smart, wireless AURATON Floor Heating Controller strip controls 8 zones of underfloor heating, the operation of a furnace or other heating devices, and the central heating pump. The set includes 4 AURATON Vela actuators.

The Multizone Controller can be managed locally, with at least one Heat Monitor thermostat, or remotely, when connected to the AURATON Pulse Internet control panel. The AURATON Floor Heating Controllers, like other devices from the AURATON Smart system, communicate with each other wirelessly, and individual devices can be easily connected with each other thanks to the Easy Connect function. After connecting the set to the heating manifold, heating device, and central heating pump, you just need to set the desired temperature on the thermostat or in the app on your phone (the remote connection option), and the system will take care of heating the rooms in the most optimal and energy-efficient way.

The advanced functions of the Floor Heating Controller ensure trouble-free operation of connected devices and protect the floor against overheating. The strip is equipped with, among others, the Furnace Guard, which prevents the furnace from switching on and off too frequently, also when the central heating pump is off. The Pump Guard function, in turn, is designed to manage pump operation, protecting it against premature wear. If the pump has been inactive for 14 days, it turns it on for 1 minute, which prevents the device from freezing. The Heat Chip cuts off the water supply to the manifold when the water temperature in the heating system is too high. The Heat Chip function is active only if an external temperature sensor is installed on the inlet pipe.

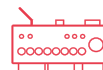
The strip has a screw-in antenna. In case of problems with radio communication, you can replace it with an external antenna with a cable (sold separately) and place it in a convenient location. The AURATON Floor Heating Controller can be easily mounted on a DIN rail.



Heat Chip – protects the underfloor heating system against overheating



Antenna – extends the range. Screwed into a strip or on a wire



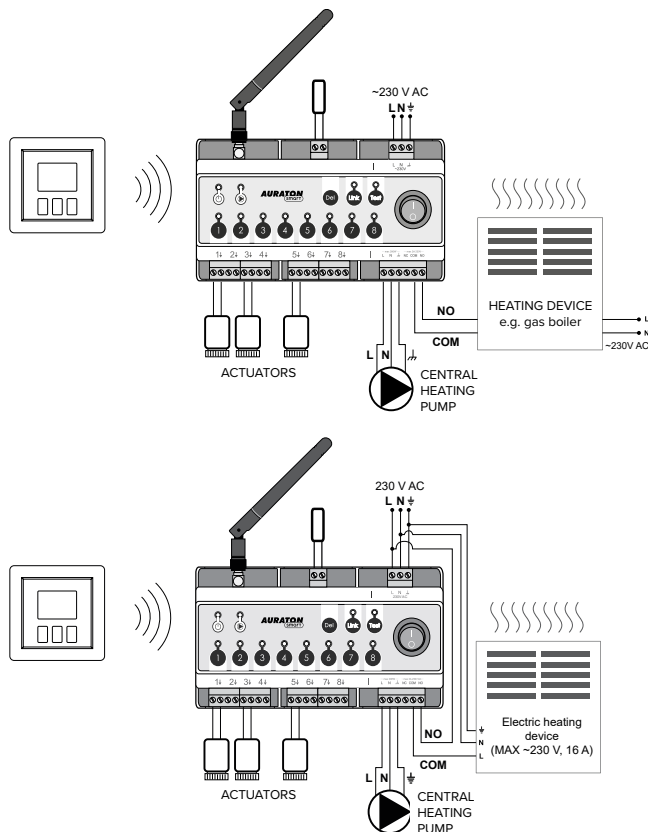
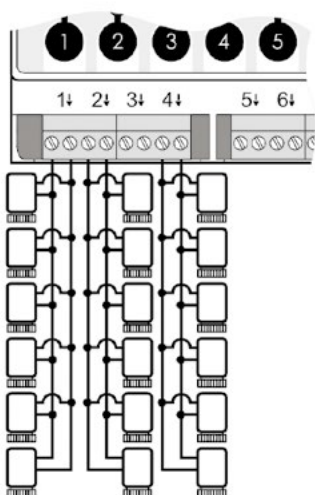
DIN – DIN rail mounting



Furnace Guard – protects the furnace or other heating devices from switching on and off too frequently



Pump Guard – manages the rational operation of the pump, protects against its premature wear. Protects the central heating pump from stagnation



FOR SMARTER LIVING



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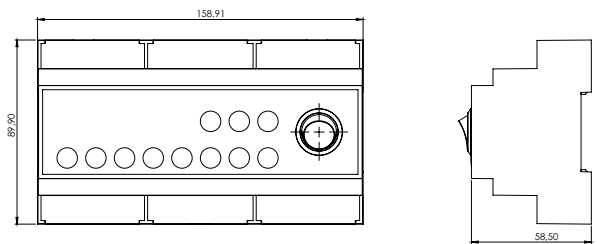
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Smart, wireless Floor Heating Controller strip + 4 AURATON Vela thermoelectric actuators



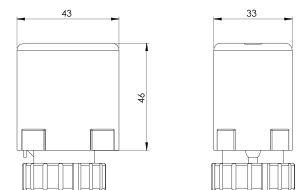
TECHNICAL DATA – FLOOR HEATING CONTROLLER

Power supply	230 V AC, 50 Hz, 1.5 W
Working temperature range	0 – 45°C
Working status signalling	LED diodes, sound signal
Number of independently controlled heating zones	8
Relay capacity	Max. 250 V AC, max. 2 A (potential-free contacts COM, NO, NC)
Head control output capacity 230 V	Max. 30 W, up to 6 AURATON Vela actuators per zone
Central heating pump output capacity 230 V	Max. 200 W
Relay and pump start delay	Approx. 3 minutes
Antenna connector type	SMA
External temperature sensor type	NTC 100K thermistor, B = 3990K
Working range	In a typical building with a standard wall construction – approx. 30 m; in an open space – up to 300 m
Radio frequency	868,150 MHz 868,450 MHz
Receiver category	2
Radio signal strength	Up to 14 dBm
Suggested mounting place	Manifold box DIN rail
IP Rating	IP20



TECHNICAL DATA – VELA

Power supply	230V AC, 50Hz, 3.5W
Operating temperature range	0 – 60°C
Power supply wire length	approx. 95 cm
Actuator stroke	3.6 mm
Pressure	100 N
Type	normally closed (NC)
Ingress protection	IP 40
Suggested mounting place	valve of the distributor



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