

AURATON

www.auraton.pl

Regulatory Temperature
i Automatyka Domowa



Temperature Controllers and Home Automation

Our specialty are high-end, cutting edge home automation solutions. We have abundant experience and our competence grows every day. Home automation that we offer means devices which improve the lives of their users.

In addition, our solutions such as room temperature controllers or central-heating pump controllers can reduce the heating costs considerably.

The AURATON home automation spells ecology, savings and comfort.

Find out for yourselves taking a closer look at what we have to offer.



AURATON T-1 RTH

Daily Wireless Temperature Controller

- 20 years of operation on factory-installed lithium battery
- Operation under the 16A load
- Interference-free communication between devices
- On/off cycle memory algorithm



AURATON 200 RTH

Daily Wireless Temperature Controller

- FrostGuard function
- Backlit LCD display
- Eco mode - *reducing the temperature by 3°C for 6 hours every day at the same time*



AURATON 3003

Daily Wired Temperature Controller

- Operation under load up to 16A
- Backlit LCD display
- Eco mode - *reducing the temperature by 3°C for 6 hours every day at the same time*



AURATON 3013

Daily Wired Temperature Controller

- Operation under load up to 16A
- Backlit LCD display
- Holiday mode (up to 8 days) with temperature change option
- Eco mode with option of setting the temperature and duration



AURATON 2025 – wired

AURATON 2025 RTH – wireless

Weekly Programmable Temperature Controllers

- Operation under load up to 16A – 2025 RTH
- Interference-free communication between device – 2025 RTH
- On/off cycle memory algorithm – 2025 RTH
- Backlit LCD display
- Improved holiday mode
- Heating unit operation time counter
- Calibration of temperature indications



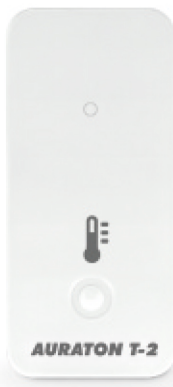
AURATON 2030 – wired

AURATON 2030 RTH – wireless

Weekly Programmable Temperature Controllers

- Operation under load up to 16A – 2030 RTH
- Interference-free communication between device – 2030 RTH
- On/off cycle memory algorithm – 2030 RTH
- Up to 8 temperature values a day
- Backlit LCD display
- Improved holiday mode
- Heating unit operation time counter
- Calibration of temperature indications

ACCESSORIES



AURATON T2

Wireless Temperature Sensor

operates with the RTH unit.

Allows to control the temperature in other room than the one in which the controller is installed.

Operating temp:	0° – 45°C
Temp measurement range:	4° – 45°C
Hysteresis:	±0,2°C
Operation status indication:	LED
Power supply:	factory-installed lithium battery
Operation range:	indoors about 30m (standard wall thickness); outdoors up to 300m
Frequency:	868Mhz



AURATON H1

Window Handle

features a transmitter and position sensors to send the “window opening” signal to the receiver connected to the heating unit, air-conditioners, anti-burglar system and fire alarm system.

The AURATON H-1 handle detects four window positions: open, closed, ajar, unsealed.

The signals are sent to the receivers which take action depending on the window position.



Operation with the heating system

H1 handle + receiver + wireless thermostat

Window closed or unsealed: the AURATON RTH receiver applies the setting from the wireless temperature sensor.

Window ajar: AURATON RTH reduces the temperature by 3°C. The reduced temperature will be maintained until the window is closed or unsealed.

Window open: when the window has remained open for more than 30 seconds, AURATON RTH will turn the heating off. However, when the temperature in the room drops below 7°C, the heating will be turned on again, regardless of the temperature in the room, to prevent total cooling of the room.



Operation with the air-conditioning system

H1 handle + receiver

Window closed or unsealed: the AC is on.

Window ajar or open: AURATON RTH switches the AC off.



*range may vary depending on type of building walls

AURATON		200	T-1 RTH	3003	3013	2025	2025 RTH	2030	2030 RTH
Controller type:	Wireless	Wireless	Wireless	Wired	Wired	Wired	Wireless	Wired	Wireless
Operating temperature:	0° – 45°C	0° – 45°C	0° – 45°C	0° – 45°C	0° – 45°C	0° – 45°C	0° – 45°C	0° – 45°C	0° – 45°C
Temperature measurement range:	0° – 35°C	0° – 35°C	0° – 35°C	0° – 35°C	0° – 35°C	4° – 35°C	4° – 35°C	4° – 35°C	4° – 35°C
Temperature control range:	7° – 30°C	7°C; 15° – 30°C	5° – 35°C	7° – 35°C	4° – 30°C	4° – 30°C	4° – 30°C	4° – 30°C	4° – 30°C
Temperature setting accuracy:	0,2°C	0,2°C (1°C)	0,2°C	0,2°C	0,2°C	0,2°C	0,2°C	0,2°C	0,2°C
Hysteresis:	±0,2°C	±0,2°C	±0,2°C	±0,2°C	±0,2°C	±0,2°C / ±0,4°C	±0,2°C / ±0,4°C	±0,2°C / ±0,4°C	±0,2°C / ±0,4°C
Number of temperature levels:	1	1	1	1	1 + holidaymode	2 + holidaymode	2 + holidaymode	8 + holidaymode	8 + holidaymode
Anti-freezing temperature:	FrostGuard function	Yes (2°C)	Yes (2°C)	Yes (2°C)	Yes (2°C)	Yes (0° - 10°C/off)	Yes (4° – 10°C)	Yes (4° – 10°C)	Yes (4° – 10°C)
Number of programmes:	–	–	–	–	–	9	9	3	3
Operation cycle:	Daily	Daily	Daily	Daily	Daily	Weekly	Weekly	Weekly	Weekly
Operation status indication:	LCD	LED	LCD	LCD	LCD	LCD	LCD & LED	LCD	LCD & LED
Maximum load current:	dependent on the receiver	~16A	~16A	~16A	~16A	~8A	~16A	~8A	~16A
Power supply:	2 bat. AAA 1,5V indoors about 30m, outdoors up to 300m	Controller: lithium battery Receiver: ~230V AC, 50Hz indoors about 30m, outdoors up to 300m	2 bat. AAA 1,5V	2 bat. AAA 1,5V	2 bat. AAA 1,5V	2 bat. AA 1,5V	Controller: 2 bat. AA 1,5V Receiver: ~230V AC, 50Hz indoors about 30m, outdoors up to 300m	2 bat. AA 1,5V	Controller: 2 bat. AA 1,5V Receiver: ~230V AC, 50Hz indoors about 30m, outdoors up to 300m
Operation range*:	868Mhz	868Mhz	–	–	–	–	868Mhz	–	868Mhz
Frequency:	868Mhz	868Mhz	–	–	–	–	868Mhz	–	868Mhz

AURATON 8000

Wireless Underfloor Heating Control Panel

Controls 8 heating zones, can be operated with AURATON wireless temperature controllers featuring the LMS (Logic Management System).



- 8 heating zones
- One thermostat can control multiple zones
- Control of the CH and DHW pumps
- Can be used with the AURATON H1 window handles
- Backlit colour TFT display
- Automatic detection and testing of actuators and pumps
- Remembering the last 24h of operation and possibility of autonomous operation
- Interference-free radio communication (LMS protocol)

Power supply:	230V AC 50Hz
Number of controlled heating zones:	8
Max number of connected devices:	8 thermostats and/or 8 AURATON T2 thermometers
Load capacity of outputs controlling the 230V heads:	30W per zone up to 6 AURATON actuators
Load cap of the 230V CH pump output:	200W
Relay load capacity:	230V AC, 2A
Load capacity of the DHW pump:	230V AC, 200W
Operation status indication:	diodes and TFT display
Radio frequency:	868MHz
Operation range:	indoors about 30m (standard wall thickness); outdoors up to 300m
Automatic detection of connected heads, CH and DHW pumps	
Possibility of assigning 6 window handles to each zone	

AURATON 8D

Control Terminal for Underfloor Heating Actuators

For installation in electrical junction boxes. Allows a simultaneous control of the central heating pump and the heating device.

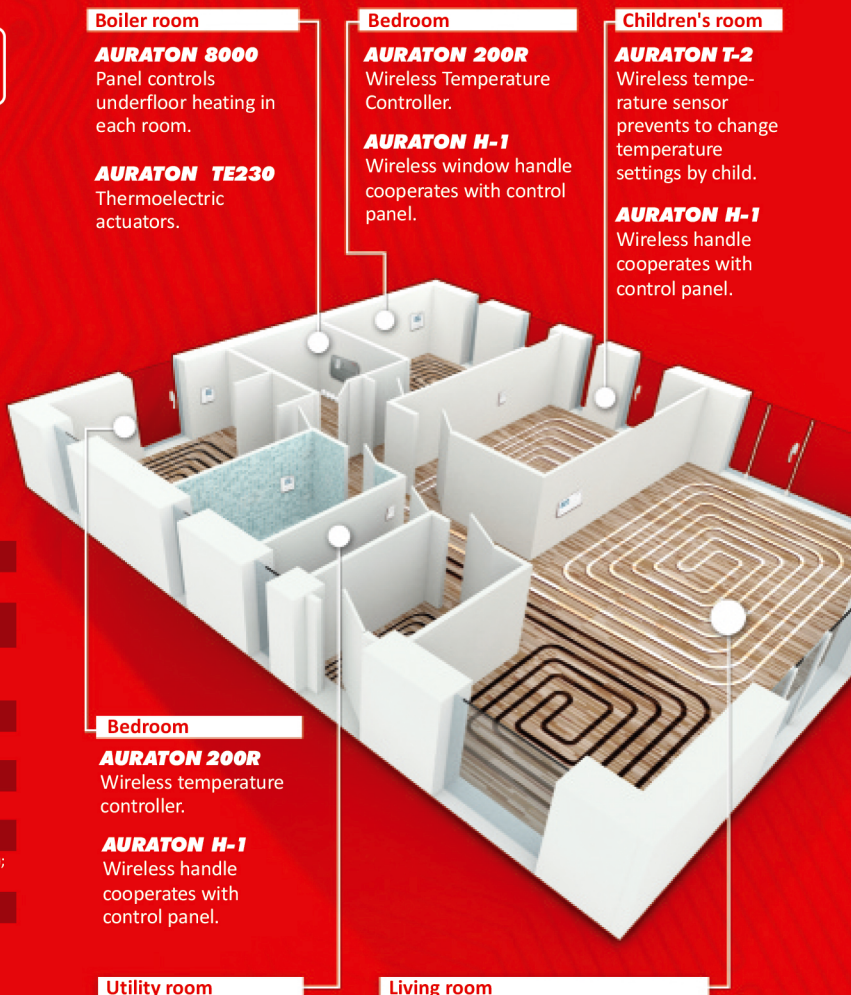


- 8 heating zones
- Easy operation and installation on the DIN rail
- Control of the CH circulation pump
- Control of the CH boiler
- To be used with wired temperature controllers

Power supply:	230V AC 50Hz
Number of controlled heating zones:	8
Max number of connected devices:	8 thermostats
Load capacity of outputs controlling the 230V heads:	30W per zone up to 3 AURATON actuators
Load cap of the 230V CH pump output:	200W
Relay load capacity:	230V AC, 2A
Operation status indication:	diodes

Automatic detection of connected heads, CH pump

Underfloor heating



AURATON TE 230

Thermoelectric Actuator 230V AC, to be installed on the terminals of underfloor heating distributors or on thermoelectric valves.

Type:	normally closed
Power supply:	230V AC
Power rating:	~2,3W
Initial current:	230mA
Operating current:	~10mA
Actuator stroke:	3 – 4.2mm
Force:	110N
Operating temp:	-20°C to 50°C
Protection rating:	IP54
Cable length:	90cm
Available threads: M30x1,5 mm or M28x1,5 mm	

ANTENNA

The antenna improves the operation range of the AURATON 8000 control panel. It is used when the control panel is installed in a hardly accessible place where the signal reception is limited.



PUMP CONTROLLERS



AURATON S14

Multifunctional CH and DHW Pump Controller

A multifunctional controller for operation with central heating (CH) and domestic hot water (DHW) circulation pumps.

The AURATON S14 may be used with a thermal fireplace in the CH system and with coal- and fine coal-fired CH fan boilers.

- Multifunctionality
- Maximum fan power function
- Emergency heat reception function
- Adding fuel to the furnace
- Backlit LCD display

Temperature control range:	10° – 85°C
Temperature measurement range:	0° – 99°C
Hysteresis (on/off difference):	2°C to 10°C
Power supply:	~230V AC, 50Hz
Maximum load current on outputs:	~6A
Blowdown duration and blowdown interval:	0 ÷ 59 sec. and 1 ÷ 99 min



AURATON 1107

Domestic Hot Water Pump Controller

Automatically turns on and off the circulation pump depending on temperature. In the domestic hot water (DHW) systems with coal- or gas-fired boilers, the pump-controller unit forces the water circulation without the pump control system. The controller maintains a constant temperature in the tank or the DHW circuit.

AURATON 1106

Central Heating Pump Controller

Automatically turns on and off the circulation pump depending on temperature. In the central heating systems with coal- or gas-fired boilers the pump-controller unit forces the water circulation without the pump control system. AURATON 1106 can be used with coal- or gas-fired boilers which are not equipped with an external pump.

AURATON	1107	1106
Temperature control range:	20° – 80°C	25° – 55°C
Temperature measurement range:	20° – 90°C	25° – 55°C
Hysteresis:	4°C	5°C
Additional function:	–	GUARD*
Operation status indication:	LED	LED
Power supply:	~230V AC 50Hz	~230V AC 50Hz
Maximum load current:	~6A	~6A

* prevents damaging pump when not used



AURATON 100

Electronic Weekly Time Switch with cyclical operation to connect or disconnect the electrical socket. Features a random program which can simulate presence of people in the household. Necessary in the DHW circulation system.

- 8 on/off programs for one day, maximum up to 56 repeated on/off programs weekly; 1 second time measurement accuracy.
- Random on/off function.
- Manual on/off function.
- Support of the display and programs after power outage (about a week).



Daily Wired Temperature Controller



Programmable Temperature Controller



Pump controller



Radio transmitter LMS signal



Underfloor heating

AURATON

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