

Catalogue







WHY SELTRON?

SELTRON is a modern technological company combining state-of-the-art technology and a wealth of experience. It provides innovative, advanced and economical heating control solutions renowned not only in Slovenia, but also throughout Europe. The company continuously invests into the development and updates its own control technology production in order to reduce energy consumption and this the savings of users as well as for the purposes of environmental protection. Ever since 1992, the company has been a partner of and a specialised OEM provider for various heating technology manufacturers and wholesalers in the European markets.

OUR MISSION

To help users save room heating energy in an environmentally friendly way.

OUR COMPETITIVE ADVANTAGES



PRODUCT DEVELOPMENT FROM THE IDEA TO THE PRODUCTION

Seltron's development team comprises highly motivated and skilled engineers, specialists for individual heating areas, programming, electronics, modelling and electromechanics. In team work with their partners, they always seek for optimal solutions and try to translate those into a state-of-the-art customer-friendly product.

EXTENSIVE RANGE OF PRODUCTS

We have been producing heating controllers and actuators for more than 30 years. All the products are developed in-house. In this time, the following product groups have been developed:

- differential controllers.
- zone controllers,
- weather-compensated controllers.
- boiler controllers,
- constant temperature controllers,
- actuators,
- room units,
- room thermostats,
- temperature sensors.

For heating system remote control we have developed the CLAUSIUS and KELVIN applications.



STRINGENT QUALITY STANDARDS

Quality is our priority. We select modules from renowned manufacturers already during the development stage. Upon the receipt of goods, we perform a thorough incoming goods inspection. During the production process, the product passes through various testing phases before being packaged and dispatched to the customer. We perform climate testing on our products, accelerated aging tests and functional durability tests in our own lab.



Table of Contents

Differential controllers SGC	5
ZONE CONTROLLERS	
Zone controllers ZCE	17
COMPACT WEATHER COMPENSATED CONTROLLERS	
Compact weather compensated controller AHD	29
Compact weather compensated controller AHC	37
Compact weather compensated controller CMP	45
WEATHER COMPENSATED AND BOILER CONTROLLERS	
Weather compensated controllers WDC	53
Weather compensated controllers WXD	65
Weather compensated and boiler controllers KXD	77
COMPACT CONSTANT TEMPERATURE CONTROLLERS	
Compact constant temperature controllers ACD	89
Compact constant temperature controllers ACC	97
CONSTANT TEMPERATURE CONTROLLERS	
Constant temperature controllers SCC	105
ACTUATORS	
Actuators AVD	113
Actuators AVC	121
DIGITAL ROOM UNITS	
Digital room units RCD	133
DIGITAL ROOM THERMOSTATS	
Digital room thermostats ST	145
OPTIONAL EQUIPMENT	
Temperature sensors	153
SELTRONHOME	
Communication interface GWD	163

4 Seltron d.o.o. | Tržaška cesta 85 A | SI-2000 Maribor | +386 (0)2 671 96 00 | sales@seltron.eu | www.seltron.eu



Differential controllers SGC16H | SGC26H | SGC36HV | SGC67HV

They feature domestic hot water heating control, storage tank loading and energy source management such as: solid fuel boilers, pellet, oil or gas boilers, heat pumps or electric heaters.

Differential controllers SGC



Introduction

SGC universal differential controllers are intended for the control of solar systems for domestic hot water heating as well as a support system for room heating. Advanced operation algorithms ensure an optimal usage of solar energy and provide the control of energy efficient circulation pumps. The SGC controllers have integrated preset hydraulic schemes that provide a fast and simple installation.

Typical application

- In domestic hot water heating systems with flat or vacuum collectors.
- In domestic hot water heating systems with auxiliary heat sources.
- In storage tank heating systems using a solar system and auxiliary heat sources.
- In pool heating systems.
- For a single-stage storage tank loading.
- For a two-stage storage tank loading.

Features

- Up to 65 preset hydraulic schemes.
- Up to 3 freely programmable outputs.
- Speed (RPM) control of standard pumps.
- Speed control of energy-saving pumps (PWM, 0÷10 V).
- Control of collector field systems.
- Control of storage tank systems.
- Possibility to control heating systems using a solid fuel boiler.
- Option of using stratified storage tank loading with a quick start function in the case of a cold storage tank.
- Wizard for an easy and quick device start-up.
- Measurement and display of generated energy.
- Solar system protection when collectors are overheating.
- Notifications on the activated protection functions and warnings about system failures.
- Possibility to simulate sensors and analyse the system operation.
- Remote control with the help of the SeltronHome system.







- For informative measurements of the solar energy obtained, the maximum

- reading of the medium flow from the mechanical meter must be entered in
- For accurate measurements of the solar energy obtained, a flow meter with a pulse generator or a Vortex flow meter (VFS) must be installed in the solar



SGC16H, SGC26H

SGC36HV, SGC67HV

Connection of an energy-saving circulation pump with external controlled

The SGC controller features the speed control of energy-saving circulation pumps with external controlled PWM signal or 0÷10 V. This type of speed control is possible with R2 and R3 relay outputs. All SGC controllers feature the R2 relay output, while the SGC36HV and SGC67HV controllers feature the R3 relay output.



Remote control with the help of SeltronHome system

The SGC controllers may be connected to the SeltronHome platform, which provides the heating remote control using a smartphone or tablet. Remote control is enabled through the CLAUSIUS application for the end user and the KELVIN app for service technicians. With the application you can, for example, switch on one-time domestic hot water heating process outside of a time programme.



Typical hydraulic scheme

Solar collectors, domestic hot water storage tank, solid fuel boiler, auxiliary heating with electricity.

Example: hydraulic scheme 231d.

Typical application	SGC16H	SGC26H	SGC36HV	SGC67HV
In domestic hot water heating systems with flat or vacuum collectors	•	•	•	•
In domestic hot water heating systems with auxiliary heat sources	•	•	•	•
In storage tank heating systems using a solar system and auxiliary heat sources	_	٠	٠	•
In pool heating systems	_	•	•	•
For a single-stage storage tank loading	_	_	•	•
For a two-stage storage tank loading	_	_	_	•
Technical characteristics				
No. of preset hydraulic schemes	5	22	53	65
No. of mechanical relays	_	1	1	4
No. of solid state relays	1	1	2	2
No. of temperature sensor inputs	6	6	6	7
Number of collector fields	1	2	2	2
No. of storage tanks	1	2	3	3
Measurement of the energy obtained (kWh)	•	•	•	•
Option for pulse meter flow measurement (I/min)	•	•	•	•
Possibility for flow measurement with a Vortex sensor VFS	_	_	•	•
Speed control for energy-saving pumps (PWM, 0÷10 V)	1 pump	1 pump	2 pumps	2 pumps
Speed control for standard pumps (RPM)	1 pump	1 pump	2 pumps	2 pumps
Free programming option	_	1 output	2 outputs	3 outputs
System control				
Collector fields	1	2	2	2
Storage tanks	1	up to 2	up to 3	up to 3
Solar system domestic hot water heating and an auxiliary heat source	—	•	•	•
Heating support	—	•	•	•
Pool heating	—	٠	•	•
Using a solid fuel boiler	—	_	_	•
Quick cold storage tank start function	—	—	—	•
Heat source control				
Flat or vacuum collectors	•	•	•	•
Solid fuel boiler	•	•	•	•
Solid fuel boiler with a pellet burner	_	•	•	•
Liquid fuel boiler	_	•	•	•
Combined boiler	_	•	•	•
Gas flow boiler	_	•	•	•
Heat pump	_	•	•	•
Storage tank	•	•	•	•
Auxiliary heating using electric heater	_	•	•	•
Options for switching on auxiliary energy sources				
The controller features the option of an auxiliary source for heating the water to the minimum temperature	•	•	•	•
The option for starting the primary energy source immediately or only when the water cannot be heated in a certain period of time	_	•	•	•
The option for configuring the time during which we allow water heating only by using collectors - the controller will not switch on the primary heat source if the calculations show that the water can be heated only by collectors	_	٠	•	•



Operation mode with several storage tanks	SGC16H	SGC26H	SGC36HV	SGC67HV
Constant operation in the "OPTIMUM" mode means an optimum use of solar energy for heating all of the storage tanks taking into account the preferred storage tank	_	٠	•	٠
The "AUTO" operation mode automatically switches between winter and summer modes according to a preset calendar	—	٠	٠	٠
Constant operation in the "SUMMER" mode means the heating of only the preferred storage tank, other storage tanks are heated only when the preferred one reaches the desired temperature	_	٠	٠	٠
Continuous operation in the "WINTER" mode means an alternating parallel heating of all storage tanks	—	•	•	•
Heating of all storage tanks	—	•	٠	•
User functions				
Domestic hot water heating according to the time programme	٠	•	٠	•
Holiday operation mode	٠	•	٠	•
One-time domestic hot water heating	•	•	•	•
Heating system protection				
Anti-legionella protection (for a controlled energy source)	٠	•	٠	•
Collector frost protection	•	•	•	•
Forced pump start at the highest collector temperature	•	•	•	•
Switching off of the pump when the safety temperature has been exceeded	•	•	•	•
Solar system protection when collectors are overheating	•	•	•	•
Storage tank overheating protection	•	•	•	•
Storage tank recooling to the desired temperature	•	•	•	•
Periodic starts of pumps during a period of inactivity	•	•	•	•
A comprehensive overview of the heating system operation				
Graphic display of temperatures according to days of the last week	•	•	٠	•
Detailed display of temperatures for the current day	•	•	•	•
Archiving and graphic display of the solar energy obtained	•	•	•	•
Notifications on the activated protection functions and warnings about system failures	•	•	•	•
Possibility to simulate sensors and analyse the system operation	•	•	•	•
Remote access				
Possibility of USB connection to a PC	٠	•	٠	٠
Connectivity to the SeltronHome platform providing remote control using a smartphone or tablet	٠	٠	٠	٠
Setup and installation				
Wizard for an easy and quick device start-up	٠	•	•	٠
13-language user interface: EN, DE, FR, NL, PL, ES, SL, IT, CS, LT, GR, HU, HR	•	٠	•	٠
Setting up the operation by selecting the hydraulic scheme	٠	•	•	•
"Help" button for quick help with the setup	٠	٠	٠	٠
Graphically adjustable time programmes	٠	•	٠	•
Option to simulate the system operation	•	•	•	•
Logging and display of changes made to the setup	•	٠	٠	٠
Option for retrieval of the basic setup in the event of data loss or unwanted changes	•	•	•	•
Option for programming free outputs	•	•	•	•
Possibility of wall or DIN rail installation	•	•	•	٠
Simple installation and connection	•	•	•	•

Technical specifications	SGC16H	SGC26H	SGC36HV	SGC67HV				
Backlit graphic display	•	•	•	•				
Operating hours meter	•	•	•	•				
Weekly program timer	•	•	•	•				
Connection voltage		230 V~	, 50 Hz					
Own consumption		2.5	W					
Energy consumption in the standby mode		Max. (0.5 W					
No. of inputs	6 pcs te	mperature sensor (F 1 pc pulse input	Pt 1000)	7 pcs temperature sensor (Pt 1000) 1 pc pulse input				
Additional inputs	_	_	1 pc Grundfos \	VFS flow meter				
No. of outputs	1 pc Triac for speed control (R2) 1 pc PWM or analogue 0÷10 V	1 pc Triac for speed control (R2) 1 pc PWM or analogue 0÷10 V (Y2)	2 pcs Triac for speed control (R2, R3) 1 pc relay (R1) 2 pcs PWM or analogue 0÷10 V (Y1, Y2)	2 pcs Triac for speed control (R2, R3) 4 pcs relay (R1, R4, R5, R6) 2 pcs PWM or analogue 0÷10 V (Y2, Y3)				
Relay outputs		4 (1) A~	, 230 V~					
Triac outputs		1 (1) A~,	230 V~					
Clock power supply		Battery CR20	32 (Li-Mn) 3 V					
Clock accuracy		+/-1 s (24 ł	n) at 20 °C					
Degree of protection		IP20/EI	N60529					
Safety class	I according to EN 60730-1							
Operation mode		1B according t	o EN 60730-1					
Type of temperature sensors		Pt1000 d	or KTY10					
Housing material		ASA - the	rmoplastic					
Permissible ambient temperature		0÷4	0 °C					
Storage temperature		-20÷0	65 °C					
Product weight	400 g	400 g	440 g	460 g				
No. of pieces in the packaging unit		6 p	DCS					
Dimensions	163							



Electrical connection

SGC16H



SGC26H

\$	ł	ţ	ţ	ţ	DAC		\$						7	N	:					
Т1	Т2	Т3	Т4	Т5	Y2	сом	Т6 Л	GND	Ν	L	Ľ	x	R1	R2					Ľ	Ľ
1	2	3	4	5	6	7	8	9	20	21	22	23	24	25	26	27	28	29	30	31

SGC36HV

VFS	ţ	\$	ţ	\$	\$	ţ						T		7	N ^z	N	:				
Y2	T1	Т2	Т3	Τ4	Т5	Т6	сом	л	GND	N	L	Ľ	х	R1	R2	R3				Ľ	L'
Y1	1	2	3	4	5	6	7	8	9	20	21	22	23	24	25	26	27	28	29	30	31

SGC67HV







with a storage tank.

SELIRON



Solid fuel boiler, storage tank,

domestic hot water storage tank,

solar collectors, switchover.

Solid fuel boiler, constant return line

temperature control, storage tank stratified loading.

292



Solid fuel boiler, constant return line

temperature control, storage tank.

Solid fuel boiler, constant return line

temperature control, two storage tanks - stratified loading.

T2 R2

293

Pellet boiler, constant return line

temperature control, storage tank.

Pellet boiler, constant return line

temperature control, two storage tanks - stratified loading.

293b

Pellet boiler, storage tank, domestic

hot water storage tank, solar

collectors, switchover.

Pellet boiler, constant return line

temperature control, storage tank -

stratified loading.

T2

292b



Item	Order code	Description
	2SGC16H00-010	Differential controller SELTRON SGC16H
	2SGC26H00-010	Differential controller SELTRON SGC26H
-	2SGC36HV00-010	Differential controller SELTRON SGC36HV
велион 🕘 налан	2SGC67HV00-010	Differential controller SELTRON SGC67HV
	2SGC16H30-010	Differential controller SELTRON SGC16H, with sensors (3×TF/Pt)
	2SGC26H40-010	Differential controller SELTRON SGC26H, with sensors (4×TF/Pt)
	2SGC36HV40-010	Differential controller SELTRON SGC36HV, with sensors (4×TF/Pt)
	2SGC67HV50-010	Differential controller SELTRON SGC67HV, with sensors (5×TF/Pt)
Accessories	1TFPT-000	Immersion temperature sensor SELTRON TF/Pt
	1VFPT-000	Surface temperature sensor SELTRON VF/Pt
	1AVC0532M210-030	Actuator SELTRON AVC 05, 3-point, 5 Nm, 2 min, 230 V~
	1AVC0521M210-030	Actuator SELTRON AVC 05R, 2-point, 5 Nm, 1 min, 230 V-
	1SVC25+NN0	Pulse flow meter SVC 25 (up to 2.5 m ³ /h, 40 l/min)
ουσια. (i) Ψ ↔ ↔ Δ27233	1GWD2-040	Communication module SELTRON GWD2

16 Seltron d.o.o. | Tržaška cesta 85 A | SI-2000 Maribor | +386 (0)2 671 96 00 | sales@seltron.eu | www.seltron.eu



Zone controllers ZCE6 Basic | ZCE6 Advance

The ZCE controllers control room zone heating and/or cooling. They feature the control of the energy source, mixing valve and circulation pump.

Zone controllers ZCE



Introduction

ZCE6 controllers have been designed for the control of zone heating and/or cooling. The control is carried out using thermal actuators on the distributor valves based on the reference temperatures obtained from room units. There can be six independent temperature zones with the possibility of controlling fourteen circuits. The ZCE6 Advance controllers also feature the control of the energy source, mixing valve and circulation pump.

Typical application

- Floor heating or cooling system control.
- Wall or ceiling heating or cooling system control.
- Convector heating or cooling system control.

Features

- Up to 3 preset hydraulic schemes.
- Control of 6 independent temperature zones.
- Possibility of selecting supply voltage for thermal actuators: for 24 V~ or 230 V~.
- By connecting an antenna, also wireless room units can be connected to the controller, among others as a combination of a wired and wireless room unit.
- Completely quiet control of thermal actuators with solid state relays.
 Circulation pump control.
- Energy source control.
- Supply temperature control with mixing valve.
- Possibility of joining temperature zones into one homogeneous zone.
- Option of a BUS connection of multiple controllers.





Thermal actuator control with a voltage of 24 V~ or 230 V~

The controller provides the connection of thermal actuators with a supply voltage of 230 V~ or 24 V~. The controller is pre-configured for 230 V~ power supply. In order to change the supply voltage to 24 V-, the protective cover must be removed, the switch must be moved into the 24 V- position and the 24 V~ terminal must be connected to the ZCEPS power supply.



Simple procedure for connecting the heating zones with room units

Each room unit represents one temperature zone and can affect one or more heating zones. Establishing a connection between the controller and the room units as well as determining the effect of the room unit on the zones is carried out by a pairing process.

The pairing process is carried out in two simple steps.

- First, the controller activates the room unit pairing function. The controller waits for the first zone to be paired with the appurtenant room unit. We can also select the zone to be paired manually.
- Secondly, the pairing is executed by pressing the and + keys on the relevant room unit. The room unit is automatically paired with the selected zone on the controller. After a successful pairing process, the controller automatically activates the pairing of the next vacant zone. The process is repeated until all room units have been paired.



Possibility of selection of room units

The ZCE zone controller provides the connection of wired and wireless room units, or the combination of both. We can choose among 3 room units with various features.

RCD3 room unit features

- Measurement and setting of the room temperature.
- Time programme configuration.
- Display of information on the controller operation. -
- Measurement of air pressure, illumination of the room and humidity.
- Wired (BUS) or wireless variant.
- RCD4 room unit features
- All the listed features of the RCD3 room unit.
- Operation mode setting.
- PARTY, ECO and HOLIDAY user functions.

RCD4 room unit features - PREMIUM

- All the listed features of the RCD3 and RCD4 room units.
- Monitoring of air quality in the room.



BUS connection of multiple controllers

When controlling demanding heating systems, several ZCE controllers can be interconnected into a comprehensive heating system. One controller must be set as the leading or "master" controller. Through the BUS connection, the master controller sends information on measured temperatures and the operation mode to all the slave controllers. The master controller receives requests to activate a source from slave controllers.



Software update

The controller and room unit software may be updated through the USB connection using a smart device.

Typical application	ZCE6 Basic	ZCE6 Advance
Floor heating or cooling system control	•	•
Wall or ceiling heating or cooling system control	•	•
Convector heating or cooling system control	•	•
Technical characteristics		
Control of 6 independent temperature zones	•	•
Possibility of selecting supply voltage for thermal actuators: for 24 V- or 230 V-	•	•
By connecting an antenna wired or wireless room units or a combination of both can be connected to the controller	٠	٠
Completely quiet control of thermal actuators with solid state relays	٠	•
Max. no. of room units	6	6
Circulation pump control	—	•
Supply temperature control with mixing valve	—	•
Possibility of joining temperature zones into one homogeneous zone.	•	•
Possibility of energy source control	_	•
No. of temperature sensor inputs	3	3
No. of digital inputs	3	3
No. of analogue outputs	1	1
No. of outputs (zones/other outputs)	6/0	6/4
Max. number of controllers in a BUS connection	6	6
System control		
Floor heating or cooling system control	•	•
Wall or ceiling heating or cooling system control	•	•
Convector heating or cooling system control	•	•
Heating circuits control		
Control of the supply line constant temperature	—	•
Weather-compensated supply line temperature control	_	•
Energy source control		
Source on/off	_	•
User functions		
Room heating or cooling according to the time programme	•	•
Automatic winter/summer mode switchover	•	•
PARTY function – activation of the comfort operation mode	•	•
ECO function – activation of the economy operation mode	•	•
HOLIDAY function - activation of the operation mode during the holiday season	•	•
Emergency operation when communication with the room unit is lost	•	•
Heating system protection		
Room frost protection	•	•
Room overheating protection	•	•
Periodic start of thermal actuators during a period of inactivity	•	•
Periodic start of the pump and mixing valve during a period of inactivity	_	•
Data display		
LED zone operation indicator	•	•
LED indicator of circulation pump operation	_	•
LED indicator of energy source operation	_	•
LED indicator of mixing valve operation	—	•
LED indicator of BUS connection	•	•
Remote access		
Possibility of USB connection to a PC	•	•
Setup and installation		
Installation onto the installation rail	•	•
Simple installation and connection	•	•



Technical specifications	ZCE6 Basic	ZCE6 Advance						
Weekly program timer	•	•						
Connection voltage	230 V~	, 50 Hz						
Own consumption	5	W						
Energy consumption in the standby mode	Max. 0.5 W							
No. of inputs	3 pcs temperature 3 digita	e sensor (Pt 1000) I inputs						
No. of outputs	6 pcs solid state relay for zone control	6 pcs solid state relay for zone control 2 pcs relay output for controlling the energy source and circulation pump 2 pcs solid state relay for mixing valve control						
Relay outputs	4 (1) A~,	, 230 V~						
Triac output	1 (1) A~,	230 V~						
Clock power supply	Battery R1025 (Li-Mn) 3 V							
Clock accuracy	+/-1 s (24 h) at 20 °C							
Degree of protection	IP20 according to EN 60529							
Safety class	I according to EN 60730-1							
Operation mode	1B according to EN 60730-1							
Type of temperature sensors	Pt10	000						
Operation mode	PI con	troller						
Housing material	PC+ABS – th	nermoplastic						
Permissible ambient temperature	5÷40	D°C						
Storage temperature	-20÷6	65 °C						
Product weight	360 g	370 g						
No. of pieces in the packaging unit	6 p	DCS						
Dimensions								

Electrical connection











Power supply ZCEPS for zone control



Introduction

Power supply ZCEPS for zone control belongs to the optional equipment range.

86

63

Typical application

- For supplying 24 V~ thermal actuators with power.

Features

- Transformation of 230 V~ network voltage to 24 V~.
- Installation onto a DIN rail in the junction box.

Technical characteristics	
Rated voltage	230 V~/50 Hz
Output voltage	24 V~/50 Hz, 38 W
Operating temperature	0÷50 °C
Storage temperature	-20÷70 °C
Dimensions	22



Module for wireless connection for ZCEAN zone control



Introduction

Module for wireless connection for ZCEAN zone control belongs to the optional equipment range.

Typical application

- For wireless communication of the ZCE zone controller with a wireless room unit.



BUS connection cable for ZCEBC zone control



Introduction

BUS connection cable for ZCEBC zone control is a part of the optional equipment range.

Typical application

- For the BUS connection of several ZCE zone heating controllers.





Item	Order code	Description
BESICO Water Water Communication Communicati	1ZCE6B-050	Zone controller SELTRON ZCE6B. 6 zones, basic version
	1ZCE6A-050	Zone controller SELTRON ZCE6A, 6 zones, advanced version
Accessories		
BELTRON BELTRON		
	1RCD3W-050	Room unit SELTRON RCD3, for zone control, white
	1RCD3WW-050	Wireless room unit SELTRON RCD3, for zone control, white
	1RCD4W-050	Advanced room unit SELTRON RCD4, for zone control, white
	1RCD4WWP-050	Advanced wireless room unit SELTRON RCD4, for zone control, with air
		quality sensor, white
SECIRON	1FODPT-NN0	Outdoor temperature sensor SELTRON AFD/Pt
	1TFPT-000	Immersion temperature sensor SELTRON TF/Pt1000, 3 m, fi 6×50 mm
	1FCD1MPZ-NN0	Dew point sensor SELTRON FCD, 1 m
1= SELIRON		Thermal drive SELTRON ATD, for linear valves
		(4 mm, NC, 230 V AC, M30x1.5)
SELIRON		Zana control nowar cumply SELTDON ZCEDS 241/ AC
LEON I	1ZCEPS-NN0	for thermal actuators 24 V~
SELIRON NUN		
ELECTION ALSO AND	17CEAN-NNO	Wireless connection module SELTRON ZCEAN for zone control
	17CEAB-NN0	Housing for antenna installation in the cabinet
	1ZCEBC-NN0	Cable for BUS connection of the SELTRON ZBEBC, for zone control

28 Seltron d.o.o. | Tržaška cesta 85 A | SI-2000 Maribor | +386 (0)2 671 96 00 | sales@seltron.eu | www.seltron.eu



NEW

Compact weather compensated controller AHD20

AHD is a new product that combines a weather compensated controller and an actuator in one housing. It has many advantages over similar products on the market, which makes it unique.

Compact weather compensated controller AHD



Introduction

The AHD20 is a compact, weather compensated controller built into the actuator housing. It is used to control the mixing valve and the circulation pump to regulate the supply temperature during heating or cooling, depending on the outdoor temperature.

Typical application

- Weather-compensated heating and/or cooling control.
- Control of independent mixing circuit (mixing valve and circulation pump).
- Control of additional mixing circuit (mixing valve and circulation pump).

Features

- 2 pre-set hydraulic schemes.
- Possibility of connecting up to 4 sensors (supply, outdoor, room/return, power source).
- Two operating modes, weather compensated (by outdoor temperature) or thermostatic (by room temperature).
- Intuitive setting with use of keypad and color display.
- Possibility of connecting a return sensor and limiting the power of the heating circuit.
- Quick and easy "click" type installation system on mixing valve.
- Automatic screen adjustment according to the instalation direction.
- Possibility of operating without a room unit (according to the heating curve).
 Possibility of BUS connection with several controllers when using a larger
- system.
- Error diagnostics and automatic activation of an alternative operating mode.
- Connectivity to the SeltronHome platform with remote control option.





Clutch for manual operation

The manual mode clutch of the AHD compact controller is activated by pressing the **pressing the pressing the pressing the pressing the pressing the pressing the pressing the clutch is activated, the mixing valve control and, where appropriate, also the circulation pump is switched off to save energy. Manual operation mode is signalled on the display.**



Quick installation

For dismounting, release of safety knob on the flange is needed and controller can be removed form the valve.

For dismounting, press and hold the release knob on the flange and remove the controller from the valve.

During operation, controller can not release itself from the valve. Mounting accessories are available for most mixing valves on the market.



User friendly interface

The user menu consists of a colour display and a keypad. The keypad was deliberately placed under the button for manual movement, what prevents unwanted changes of the settings to the controller.

For clear and user-friendly data display, the controller has a built-in colour graphic display with a 240 x 240-pixel resolution, with adjustable brightness. The automatic screen orientation ensures that the data is readable regardless of the installation position.



Plug-in connectors

The AHD compact controller has a built-in socket for the connector of the power cable. This allows an easy disconnection in the case of maintenance work, without the need for any tools.

Sensors and other connections are connected to an external connection box, which allows the connection of:

- T1-T4 sensors.
- Bus connection to another controller.
- Room unit.



Start-up wizard

The controller is equipped with a built-in wizard, which allows the initial setting of the controller. It only takes four steps and includes:

Step 1: Leanguage selection.

Step 2: Hydraulic scheme selection.

Step 3: Setup of heating curve steepness.

Step 4: Selection of opening direction of mixing valve.

After completing this procedure, the controller is set up and ready for basic operation.

Applications	AHD20
Weather compensated heating and/or cooling control	•
Mixing heating circuit control (mixing valve and circulation pump)	•
Technical features	
Number of pre-set hydraulic schemes	2
Number of electronic relays	1
Number of temperature sensors inputs	4
Temperature setup option 10 to 90 °C	•
Additional sensor for measuring the source temperature	•
BUS option - interconnection of AHD controller or with other Seltron heating controllers	•
User functions	
Room heating or cooling according to the timer programme	•
Heating system protection	
Frost protection	•
Antiblock function for mixing valve	•
Antiblock function for pump	•
Limiting the maximum supply temperature for floor heating	•
Data display	
Display of notifications and warnings about the heating system operation	٠
Display of temperatures and other operating data	•
Detailed display of temperatures for the current day	•
Review of temperature data for the previous week	•
Signalling of the mixing valve rotating direction	•
Control and signalling of the circulation pump operation	•
Remote access	
Possibility of USB connection to a personal computer	•
Possibility of connectivity to the SeltronHome platform, which allows remote control via a smartphone or tablet	•
Setting and installation	
Wizard for an easy and quick device start-up	•
14-language user interface: EN, DE, FR, NL, PL, ES, SL, IT, CZ, SK, HR, RU, HU, UA	•
Connection box for sensors	•
Setting of the operation by selecting the hydraulic scheme	•
Setting of the rotation direction of the mixing valve	•
Logging and display of changes made to the setup	•
Allows recalling basic settings in case of loss or unwanted changes	•
Suitable for installation on different types of mixing valves	•
"Click" type installation system	•
Connection box for sensors is prewired to the controller	•
Power cord equipped with plug	•



Technical data	AHD20	
TFT display	•	
Keypad	•	
Own consumption	Maximum 3.5 W	
Standby power consumption	Maximum 0.25 W	
Torque	6 Nm	
Rotation angle	90 < °	
Rotation speed	2 min 90 < °	
Mixing valve control	3-point PID	
Circulation pump control	2-point (ON/OFF)	
Relay output	electronic relay, 1 (1) A ~, 250 V~	
Supply voltage	230 V ~, 50 Hz	
Maximum own consumption	5 W	
Power supply of built-in clock	Battery CR1025 (Li-Mn) 3 V	
Accuracy of built-in clock	+/-1 s (24 h) at 20 °C	
Degree of protection	IP42 according to EN 60529	
Safety class	I according to EN 60730-1	
Type of temperature sensors	Pt1000	
Housing material	PC - dark grey	
Operating temperature	0 to 50 °C	
Storage temperature	-20 to 65 °C	
Product weight	1,000 g	
Number of pieces in a package unit	12 pieces	
Dimensions		



Electrical connection

Key:

mandatory sensors (T1, T2, T3) optional sensors (T4, COM)



Hydraulic schemes for AHD20			
	Signature Strain Signature Strain Signature Si		
Heating circuit.	Additional heating circuit.	Heating circuit with limitation of return-pipe temperature.	

Product	Order code	Description
- Contraction	1AHD2021-050	Compact weather-compensated controller SELTRON AHD20, 2x TF/Pt, 1xAFD/Pt
	1AHD20W21-050	Compact weather-compensated controller SELTRON AHD20W, wireless, 2x TF/Pt, 1xAFD/Pt

Accessories

1AVDMSA+NNO	Seltron, Acaso, Brv, Esbe Type F & G & MG, Hora, Imit, Imp, Ivar, Paw old type, Somatherm, Valvex Controlmix, Wip (5 Nm)
1AVDMSB+NN0	Seltron, Acaso, Brv, Esbe Type F & G & MG, Hora, Imit, Imp, Ivar, Paw old type, Somatherm, Valvex Controlmix, Wip(10 Nm+)
1AVDMSC+NN0	Afriso ARV series, Danfoss HFE series, Esbe 3F & 4F & T series
1AVDMSD+NN0	Meibes new valve, Brv
1AVDMSE+NN0	Landis & Gyr, Siemens - Type VBI, Type VBF
1AVDMSF+NN0	Meibes old valve, Wita
1AVDMSG+NN0	Esbe VRG series
1AVDMSH+NN0	Brv 1060 & 1050 series, Herz MV3P & MV4P series, Womix MIX M
1AVDMSI+NN0	Honeywell V544., V543
1AVDMSJ+NN0	Paw K32, K33, K34
1AVDMSK+NN0	Danfoss HRB, HRE
1AVDMSL+NN0	Vexve AMV Series, ABV Series
1AVDMST+NN0	ISO 5211 ball valve, FO3 flange, L/R axis 9 mm
1AVDMSU+NN0	ISO 5211 ball valve, FO4 flange, L/R axis 9 mm
1AVDMSV+NN0	ISO 5211 ball valve, FO4 flange, L/R axis 11 mm
1AVDMSW+NN0	ISO 5211 ball valve, F05 flange, L/R axis 11 mm



1FODPT-NN0 Outdoor temperature sensor SELTRON AFD/Pt



1RCD2W-050 Digit

Digital room unit SELTRON RCD2, white



1GWD2-040 Communication module SELTRON GWD2



36 Seltron d.o.o. | Tržaška cesta 85 A | SI-2000 Maribor | +386 (0)2 671 96 00 | sales@seltron.eu | www.seltron.eu


Compact weather compensated controller AHC40

AHC compact controller is a weather compensated heating controller installed into the actuator housing. It provides a direct installation onto more than 20 mixing valves of different manufacturers.

Compact weather compensated controller AHC



Introduction

AHC40 is a compact weather compensated heating controller, installed in the actuator housing. It provides a direct installation onto more than 20 mixing valves of different manufacturers.

The controller may also be used without the outdoor sensor, but in that case, the room unit must be used.

Typical application

- The AHC controller is used in demanding room heating and cooling systems as an extension controller (it is possible to link several controllers into a complex system with a BUS connection).
- For controlling simpler heating systems with one mixing heating circuit system.

Features

- 2 preset hydraulic schemes.
- For a simpler configuration and monitoring of its operation, it features a graphic capacitive OLED touch screen.
- Innovative connector system for sensor connection.
- Possibility of connecting 1 room unit.
- Remote control option with the help of the SeltronHome system.





Typical application	AHC40
The AHC controller is used in demanding room heating and cooling systems as an extension controller (it is possible to link several controllers into a complex system with a BUS connection)	•
For controlling simpler heating systems with one mixing circuit	•
Technical characteristics	
No. of preset hydraulic schemes	2
No. of room units	1
No. of mechanical relays	1
No. of temperature sensor inputs	4
BUS option - the interconnection of AHC controllers and connection with other Seltron heating controllers	•
System control	
Heating system with radiators	•
Floor heating system	•
Convector heating system	•
Wall and ceiling heating systems	•
Heating circuits control	
Mixing heating circuit	•
User functions	
Room heating or cooling according to the time programme	•
PARTY function – activation of the comfort operation mode	•
ECO function - activation of the economy operation mode	•
HOLIDAY function - activation of the operation mode during the holiday season	•
BOOST function for intense room heating	•
Function for screed drying	•
Heating system protection	
Storage tank overheating protection	•
Boiler overheating protection	•
Periodic starting up of pumps and mixing valves during a period of inactivity	•
Limiting the maximum supply temperature for floor heating	•
A comprehensive overview of the heating system operation	
Graphic display of temperatures according to days of the last week	•
Detailed display of temperatures for the current day	•
Notifications on the activated protection functions and warnings about system failures	•
Remote access	
With a separate dedicated cable, the controller can be connected to a computer	•
Connectivity to the SeltronHome platform providing remote control using a smartphone or tablet	•
Setup and installation	
Wizard for an easy and quick device start-up	•
11-language user interface: EN, DE, FR, NL, PL, ES, SL, IT, CS, HR, RU	•
Connector system for sensor connection	•
Setting up the operation by selecting the hydraulic scheme	•
"Help" button for quick help with the setup	•
Graphically adjustable time programmes	•
Adjustment of the mixing valve turning direction	•
Logging and display of changes made to the setup	•
Option for retrieval of the basic setup in the event of data loss or unwanted changes	•
Option of installation onto different types of mixing valves	•



Technical specifications AHC40			
OLED graphic display and touch keys	•		
Weekly program timer	•		
Own consumption	Max. 3.5 W		
Energy consumption in the standby mode	Max. 0.25 W		
Torque	6 Nm		
Running angle	90 < °		
Running speed	2 min / 90 < °		
Operation mode	3-point PID		
Relay outputs	1 (1) A, 230 V~		
Connection voltage	230 V~, 50 Hz		
Max. own consumption	3.5 W		
Clock power supply	Battery CR2032 (Li-Mn) 3 V		
Clock accuracy	+/-1 s (24 h) at 20 °C		
Degree of protection	IP20 according to 60529		
Safety class	I according to EN 60730-1		
Type of temperature sensors	Pt1000		
Housing material	PC – black transparent		
Operating temperature	0÷50 °C		
Storage temperature	-20÷65 °C		
Product weight	650 g		
No. of pieces in the packaging unit	12 pcs		
Dimensions			



Electrical connection





Item	Order code	Description
	1AHC40112020-050	Compact heating controller SELTRON AHC40 with sensors (1×AF/Pt, 2×TF/Pt)

Accessories

-0	
and a	14

1ASCAVMSA000+NN0	Seltron, Acaso, Brv, Esbe, Hora, Imit, Imp, Ivar, Paw, Somatherm, Wip (5Nm) (basic version for AVC05)
1ASCAVMSB000+NN0	Seltron, Acaso, Brv, Esbe, Hora, Imit, Imp, Ivar, Paw, Somatherm, Wip (10Nm+) (basic version for AVC10 and AVC15)
1ASCAVMSC000+NN0	Centra – type DR/ZR
1ASCAVMSD000+NN0	Centra – type DRU
1ASCAVMSE000+NN0	Landis & Gyr, Siemens – type VBI, VBF
1ASCAVMSF000+NN0	Meibes, Wita
1ASCAVMSG000+NN0	Esbe VRG
1ASCAVMSH000+NN0	Firšt
1ASCAVMSI000-NN0	Honeywell - type V5442, type V5433
1ASCAVMSJ000-NN0	Paw K32, K33, K34
1ASCAVMSK000+NN0	Danfoss HRB3
1ASCAVMSM000-NN0	Ball valve ISO5211, F03, L (9 mm)
1ASCAVMSN000-NN0	Ball valve ISO5211, F03, L (11 mm)
1ASCAVMSO000-NN0	Ball valve Belimo R2xx-S, F04, L (10 mm)



1TFPTC1MP-000	Immersion temperature sensor SELTRON TF/Pt, 1 m cord, with a 3.5 mm connector
1TFPTC3MP-000	Immersion temperature sensor SELTRON TF/Pt, 3 m cord, with a 3.5 mm connector
IAHCAEBUS-000	Set for the BUS connection with another controller AHC
1AHCAECOM-000	COM - Set for the connection of the outdoor sensor and room unit
1RCD2W-050	Digital room unit SELTRON RCD2, white
1GWD2-040	Communication module SELTRON GWD2



44 Seltron d.o.o. | Tržaška cesta 85 A | SI-2000 Maribor | +386 (0)2 671 96 00 | sales@seltron.eu | www.seltron.eu



Compact weather compensated controller CMP25-2

The weather compensated CMP controller controls one mixing heating circuit. For the setup and data display, it features an integrated large graphic LCD touchscreen.

Compact weather compensated controller CMP



Introduction

CMP25-2 is a compact weather compensated controller, intended for controlling one mixing heating circuit. It is installed into the actuator housing. It is equipped with a large graphic LCD touch screen for the setup and operation monitoring.

Typical application

- CMP is used in demanding room heating and cooling systems as an extension controller.
- Several controllers may be interconnected into a complex system with a BUS connection.
- For controlling simpler heating systems with one mixing circuit system.

Features

- 2 preset hydraulic schemes.
- Direct installation onto more than 20 different mixing valves.
- Possibility of connecting 1 room unit.
- Remote control with the help of the SeltronHome system.





Start-up wizard

The CMP controller is equipped with a start-up wizard, which takes you through the initial setup of the controller in 5 steps. **Step 1:** display orientation. **Step 2:** selection of opening direction of the mixing valve.

Step 3: language selection.

- Step 4: hydraulic scheme selection.
- Step 5: heating curve slope selection.

Signalisation of operation

- Green light informs about the closure of mixing valve.
- Red light informs about the opening of mixing valve.





Direct installation onto more than 20 mixing valves

The controllers are available with suitable accessories, which enable direct installation onto more than 20 mixing valves of different manufacturers.



Simple connection of sensors with a connector system

The controller features 10-pin connector for a simple connection of sensors, room units and the expansion of the system to several heating circuits.



Possibility to connect a room unit

The room unit features measurements of room temperature, setting of daytime and nighttime temperature, and selection of the operation mode. One RCD room unit can be connected to the CMP controller.



BUS connection of multiple controllers

A random number of CMP controllers can be interconnected with the BUS connection. The master controller controls heat sources and heating circuits, meanwhile the slave controllers only control heating circuits. The outdoor sensor and the boiler temperature sensor are connected to the master controller.

Typical hydraulic connection

Independent system, mixing circuit. Example: hydraulic connection 360.

Typical application	CMP25-2
CMP is used in demanding room heating and cooling systems as an extension controller. Several controllers may be interconnected into a complex system with a BUS connection.	٠
For controlling simpler heating systems with one mixing circuit	•
Technical characteristics	
No. of preset hydraulic schemes	2
No. of room units	1
No. of mechanical relays	1
No. of temperature sensor inputs	4
Possibility to make an interconnection between several CMP controllers and also other Seltron controllers with a BUS connection	•
System control	
Heating system with radiators	•
Floor heating system	•
Convector heating system	•
Wall and ceiling heating systems	•
Heating circuits control	
Mixing heating circuit	•
User functions	
Room heating or cooling according to the time programme	•
Automatic winter/summer mode switchover	•
PARTY function – activation of the comfort operation mode	•
ECO function - activation of the economy operation mode	•
HOLIDAY function – activation of the operation mode during the holiday season	•
BOOST function for intense room heating	•
Function for screed drying	•
Heating system protection	
Storage tank overheating protection	•
Boiler overheating protection	•
Periodic starting up of pumps and mixing valves during a period of inactivity	•
Limiting the maximum supply temperature for floor heating	•
A comprehensive overview of the heating system operation	
Graphic display of temperatures according to days of the last week	•
Detailed display of temperatures for the current day	•
Notifications on the activated protection functions and warnings about system failures	•
Possibility to simulate sensors and analyse the system operation	•
Remote access	
With a separate dedicated cable, the controller can be connected to a computer	•
Connectivity to the SeltronHome platform providing remote control using a smartphone or tablet	•
Setup and installation	
Wizard for an easy and quick device start-up	•
14-language user interface: EN, DE, FR, NL, PL, ES, SL, IT, CS, LT, GR, HU, HR, RU	•
Setting up the operation by selecting the hydraulic scheme	•
"Help" button for quick help with the setup	•
Graphically adjustable time programmes	•
Logging and display of changes made to the setup	•
Option for retrieval of the basic setup in the event of data loss or unwanted changes	•
Simple installation and connection	•



Technical specifications	CMP25-2
Backlit graphic touch screen	•
Weekly program timer	•
Torque	6 Nm
Connection voltage	230 V~, 50 Hz +/-10 %
Own consumption	4 W
Energy consumption in the standby mode	Max. 0.5 W
Pump output	230 V~/4(2) A
No. of inputs	4 pcs temperature sensor (Pt 1000)
Clock power supply	Battery CR2032 (Li-Mn) 3 V
Clock accuracy	+/-1 s (24 h) at 20°C
Degree of protection	IP42 according to EN 60529
Safety class	I according to EN 60730-1
Operation mode	1B according to EN 60730-1
Type of temperature sensors	Pt1000 or KTY10
Operation mode	3-point PID
Housing material	PC – thermoplastic
Operating temperature	0÷40 °C
Storage temperature	-20÷65 °C
Product weight	817 g
No. of pieces in the packaging unit	12 pcs
Dimensions	





Electrical connection





Item	Order code	Description
	2CMP2510150-010	Compact controller SELTRON CMP25-2, with sensors (1xAF/Pt, 1xVF/Pt, 1xTF/Pt)
Accessories		
BRUNON	1FODPT-NN0	Outdoor temperature sensor SELTRON AFD/Pt
	1TFPT-000	Immersion temperature sensor SELTRON TF/Pt
6		
	1VFPT-000	Surface temperature sensor SELTRON VF/Pt
	1RCD2W-050	Digital room unit SELTRON RCD2, white
excension ⊕ ⊽⇔⇔÷	10002 040	Communication module SELTDON GWD2
LITE AND AND A	19102-040	



52 Seltron d.o.o. | Tržaška cesta 85 A | SI-2000 Maribor | +386 (0)2 671 96 00 | sales@seltron.eu | www.seltron.eu



Weather compensated controllers WDC10B | WDC10 | WDC20

WDC weather compensated controllers control room heating and domestic hot water heating. In addition to multiple user-friendly functions they also provide protection of the entire heating system.

Weather compensated controllers WDC



Introduction

loading.

WDC weather compensated controllers are intended for the control of room heating and domestic hot water heating in single-family houses. They provide the control of one or two heating circuits, switchover between heat sources, and the protection of the return line during the storage tank

They are used for heating systems with one or two boilers, a heat pump, a storage tank, and a solar system.

Typical application

- Radiator room heating system control.
- Floor heating or cooling system control.
- Convector heating or cooling system control.
- Wall or ceiling heating or cooling system control.
- Domestic hot water heating.

Features

- Up to 52 preset hydraulic schemes.
- Room heating or cooling according to the time programme.
- Domestic hot water heating according to the time programme.
- Solar system domestic hot water heating.
- Control of heating systems with a storage tank.
- The possibility of connecting 2 room units.
- BOOST function for intense room heating.
- Integrated solar system protection features.
- 13-language user interface.
- Wizard for an easy and quick device start-up.
- Notifications on the activated protection functions and warnings about system failures.
- Possibility to simulate sensors and analyse the system operation.
- Remote control with the help of the SeltronHome system.





‱ 2.0

Steps 3 and 4

Start-up wizard

The WDC controller is equipped with a start-up wizard, which takes you through the initial setup of the controller in 3 or 4 steps. **Step 1:** language selection.

- Step 2: hydraulic scheme selection.
- Step 3: setting the heating curve for the first heating circuit.
- Step 4: setting the heating curve for the second heating circuit.



Possibility to connect a Seltron room unit

The WDC controller provides the connection of RCD room units. The room unit provides measurements of room temperature, selection of operation mode and setting of daytime and nighttime temperatures. Up to two room units may be connected to one WCD controller.



BUS connection of multiple controllers

A random number of WDC controllers can be interconnected with the BUS connection. The master controller controls heat sources and heating circuits, meanwhile the slave controllers only control heating circuits. The outdoor sensor and the boiler temperature sensor are connected to the master controller.



Remote control with the help of SeltronHome system

The WDC controllers may be connected to the SeltronHome platform, which provides the heating remote control using a smartphone or tablet. Remote control is enabled through the CLAUSIUS application for the end user and the KELVIN app for service technicians. The CLAUSIUS application provides the adaptation of the heating to our

lifestyle, which leads to greater comfort and reduced heating expenses.



Typical hydraulic scheme

Oil boiler, 2 mixing circuits, domestic hot water storage tank. Example: hydraulic scheme 423.

Typical application	WDC10B	WDC10	WDC20
Radiator room heating system control	•	•	•
Floor heating or cooling system control	•	•	•
Convector heating or cooling system control	•	•	•
Wall or ceiling heating or cooling system control	•	•	•
Domestic hot water heating	•	•	•
Technical characteristics			
No. of preset hydraulic schemes	7	17	52
No. of room units	2	2	2
No. of mechanical relays	6	6	7
No. of solid state relays	—	1	1
No. of analogue outputs (0÷10 V or PWM) for the control of the circulation pump or an energy source	2	2	2
No. of temperature sensor inputs	7	7	7
BUS option – the interconnection of WDC controllers and connection with other Seltron controllers	٠	٠	٠
System control			
Control of a heating system with radiators	•	•	•
Floor heating or cooling system control	•	•	•
Convector heating or cooling system control	•	•	•
Wall or ceiling heating or cooling system control	•	•	•
Domestic hot water heating system control	٠	•	•
Heating circuits control			
Direct circuit	•	•	•
Mixing circuit	٠	•	•
Direct and mixing circuit	—	•	٠
Two mixing circuits	_	_	٠
Domestic hot water heating	•	•	•
Switchover between direct heating circuit and domestic hot water heating	•	•	•
Domestic hot water circulation	•	•	•
Automatic switchover between heat sources	_	_	•
Control of the supply line constant temperature	•	•	•
Single-stage storage tank loading	_	_	•
Heat source control			
Solid fuel boiler	•	•	•
Solid fuel boiler with a pellet burner	_	—	•
Liquid fuel boiler	٠	•	•
Liquid fuel boiler with a two-stage burner	•	•	•
Combined boiler	_		•
Gas flow boiler	_	-	•
Heat pump	_	_	•
Storage tank	•	•	•
Auxiliary heating with electricity	•	•	•
Solar collectors	_	•	•
Domestic hot water heating			
With a primary heating source	•	•	•
With a storage tank	•	•	•
Using a solar system	—	•	•
User functions			
Automating or cooling according to the time programme	•	•	•
Automatic willer/summer mode switchover	•	•	•
FCO function - activation of the economy operation mode	•	•	•
HOLIDAY function – activation of the operation mode during the holiday season	•	•	•
Domestic hot water beating according to the time programme	-	•	-
One-time domestic hot water heating	•	•	•
BOOST function for intense room heating	•	•	•
Function for screed drving	•	•	•
	-	-	-



Heating system protection	WDC10B	WDC10	WDC20
Anti-legionella protection (for a controlled energy source)	•	•	•
Storage tank overheating protection	•	•	•
Boiler overheating protection	•	٠	•
Collector frost protection	_	٠	•
Forced pump start at the highest collector temperature	_	•	•
Switching off of the collectors when the safety temperature has been exceeded	_	•	•
Solar system protection when collectors are overheating	_	•	•
Storage tank recooling to the desired temperature	_	•	•
Periodic starting up of pumps and mixing valves during a period of inactivity	•	•	•
A comprehensive overview of the heating system operation			
Graphic display of temperatures according to days of the last week	•	•	•
Detailed display of temperatures for the current day	•	•	•
Notifications on the activated protection functions and warnings about system failures	۲	٠	٠
Possibility to simulate sensors and analyse the system operation	•	•	•
Remote access			
With a separate dedicated cable, the controller can be connected to a computer	•	•	•
Connectivity to the SeltronHome platform providing remote control using a smartphone or tablet	٠	•	•
Setup and installation			
Wizard for an easy and quick device start-up	•	•	•
13-language user interface: EN, DE, FR, NL, PL, ES, SL, IT, CS, LT, GR, HU, HR	٠	٠	٠
Setting up the operation by selecting the hydraulic scheme	٠	٠	•
"Help" button for quick help with the setup	٠	•	•
Graphically adjustable time programmes	٠	•	•
Option to simulate the system operation	٠	•	•
Logging and display of changes made to the setup	٠	•	•
Option for retrieval of the basic setup in the event of data loss or unwanted changes	•	•	•
Option for programming free outputs	•	•	•
Possibility of wall or DIN rail installation	•	•	•
Simple installation and connection	•	•	•

Technical specifications	WDC10B	WDC10	WDC20	
Backlit graphic display	•	•	•	
Operating hours meter	٠	•	•	
Weekly program timer	•	•	•	
Connection voltage		230 V~, 50 Hz		
Own consumption		2.5 W		
Energy consumption in the standby mode		Max. 0.5 W		
No. of inputs	7 pcs t	emperature sensor (Pt	1000)	
No. of outputs	6 pcs mechanical 2 pcs PWM or analogue 0÷10 V (Y2)	6 pcs mechanical 1 pc electronic 2 pcs PWM or analogue 0÷10 V (Y1, Y2)	7 pcs mechanical 1 pc electronic 2 pcs PWM or analogue 0÷10 V (Y1, Y2)	
Relay outputs		4 (1) A~, 230 V~		
Triac output		1 (1) A~, 230 V~		
Clock power supply	Ba	ttery CR2032 (Li-Mn) 3	5 V	
Clock accuracy	+/-1 s (24 h) at 20 °C			
Degree of protection	IP20 according to EN 60529			
Safety class	l according to EN 60730-1			
Operation mode	1B according to EN 60730-1			
Type of temperature sensors	Pt1000 or KTY10			
Operation mode	3-point PID			
Housing material	ASA - thermoplastic			
Permissible ambient temperature	5÷40 °C			
Storage temperature		-20÷65 °C		
Product weight	410 g	410 g	450 g	
No. of pieces in the packaging unit		6 pcs		
Dimensions				



Electrical connection

WDC10B

'		\$	ţ	ţ	ţ	ţ	ţ	ţ	ţ				Ť		7					7		
	Y1	TI	T2	Т3	T4	Т5	т6	T7 COM	T8 BUS	GND	N	L	Ľ	х	R1	R2	R3	R4	R5	R6		
		1	2	3	4	5	6	7	8	9	20	21	22	23	24	25	26	27	28	29	30	31

WDC10

Y2	ţ	ţ	ţ	ţ	ţ	ţ	ţ	ţ	_			T		7			7	7		; /	
Y1 DAC	т1	Т2	Т3	Т4	T5	т6	T7 COM	T8 BUS	GND	Ν	L	Ľ	x	R1	R2	R3	R4	R5	R6	R7	
	1	2	3	4	5	6	7	8	9	20	21	22	23	24	25	26	27	28	29	30	31

WDC20

Y2	ţ	ţ	ţ	ţ	ţ	\$	ţ	\$						7					N.	; /	7
Y1	т1	Т2	Т3	Т4	Т5	Т6	T7 COM	T8 BUS	GND	N	L	Ľ	х	R1	R2	R3	R4	R5	R6	R7	R8
	1	2	3	4	5	6	7	8	9	20	21	22	23	24	25	26	27	28	29	30	31





SELIRON







Item	Order code	Description
-		
■1版 \$2 Y 低	2WDC10B00000-010	Weather compensated controller SELTRON WDC10B
	2WDC100000-010	Weather compensated controller SELTRON WDC10
	2WDC2000000-010	Weather compensated controller SELTRON WDC20

2WDC10B21100-010	Weather compensated controller SELTRON WDC10B with sensors (2×TF/Pt, 1×VF/Pt, 1×AF/Pt)
2WDC1041100-010	Weather compensated controller SELTRON WDC10 with sensors (4×TF/Pt, 1×VF/Pt, 1×AF/Pt)
2WDC2041100-010	Weather compensated controller SELTRON WDC20 with sensors (4×TF/Pt, 1×VF/Pt, 1×AF/Pt)

Accessories

1TFPT-000	Immersion temperature sensor SELTRON TF/Pt
1VFPT-000	Surface temperature sensor SELTRON VF/Pt
1FODPT-NN0	Outdoor temperature sensor SELTRON AFD/Pt
1AVC0532M210-030	Actuator SELTRON AVC 05, 3-point, 5 Nm, 2 min, 230 V~
1AVC0521M210-030	Actuator SELTRON AVC 05, 2-point, 5 Nm, 1 min, 230 V-
1RCD2W-050	Digital room unit SELTRON RCD2, white
1GWD2-040	Communication module SELTRON GWD2

64 Seltron d.o.o. | Tržaška cesta 85 A | SI-2000 Maribor | +386 (0)2 671 96 00 | sales@seltron.eu | www.seltron.eu



Weather compensated controllers **WXD10B | WXD10 | WXD20**

They are modern heating controllers installed into standard-dimension housings with dimensions of 144×96 mm. They are recommended for use in the renovation of existing heating systems as the replacement controller.

Weather compensated controllers WXD



Introduction

WXD heating controllers are installed in standard-dimension housings of 144×96 mm. They have been developed for the control of room heating or cooling as well as domestic hot water heating in single-family homes. They provide the control of one or two heating circuits, switchover between heat sources, and the protection of the return line during the storage tank loading.

They are used for heating systems with one or two boilers, a heat pump, a storage tank, and a solar system.

Typical application

- Radiator room heating system control.
- Floor heating or cooling system control.
- Convector heating or cooling system control.
- Wall or ceiling heating or cooling system control.
- Domestic hot water heating.

Features

- Up to 52 preset hydraulic schemes.
- They may be used for the control of new systems or to replace the installed controllers.
- Room heating or cooling according to the time programme.
- Domestic hot water heating according to the time programme.
- Solar system domestic hot water heating.
- Control of heating systems with a storage tank.
- The possibility of connecting 2 room units.
- BOOST function for intense room heating.
- Integrated solar system protection features.
- 13-language user interface.
- Wizard for an easy and quick device start-up.
- Operational diagnostics featuring error and excessive temperature warnings.
- Remote control with the help of the SeltronHome system.







Steps 3 and 4



The WXD controller is equipped with a start-up wizard, which takes you through the initial setup of the controller in 3 or 4 steps. **Step 1:** language selection.

- Step 2: hydraulic scheme selection.
- Step 3: setting the heating curve for the first heating circuit.
- Step 4: setting the heating curve for the second heating circuit.

USB port and programmable key

The WXD controller may be connected to personal computer and SELCONTROL via a mini-USB port. The SELCONTROL software package is a connection interface and a software. It is used to control the 3rd generation of SELTRON heating control. With the help of the SELCONTROL software, we can change the parameters of the controller via a personal computer, activate or deactivate user functions, and edit and save the information about the controller <u>s</u>etup.

With the \bigotimes programmable key, the user sets the shortcut to the most frequently used settings in the menu.



WXD controller installation

The WXD controller is used for the control of modern heating systems or as a replacement controller in older heating systems.

It can be installed into a standard cutout on the boiler or on the wall.



Example of installation into a cutout or aperture on the boiler



Example of installation onto the wall



Remote control with the help of SeltronHome system

The WXD controllers may be connected to the SeltronHome platform, which provides the heating remote control using a smartphone or tablet. Remote control is enabled through the CLAUSIUS application for the end user and the KELVIN app for service technicians.

The CLAUSIUS application provides the setting of the desired temperature, heating operation mode, and an overview and the possibility to change time programmes via a smartphone or a computer.



Typical hydraulic scheme

Solid fuel boiler, storage tank, mixing circuit, domestic hot water storage tank. Example: hydraulic scheme 414b.

Typical application	WXD10B	WXD10	WXD20
Radiator room heating system control	•	•	•
Floor heating or cooling system control	•	•	•
Convector heating or cooling system control	•	•	•
Wall or ceiling heating or cooling system control	•	•	•
Domestic hot water heating	•	•	•
Technical characteristics			
No. of preset hydraulic schemes	7	17	52
No. of room units	2	2	2
No. of mechanical relays	7	8	9
No. of solid state relays	_	1	1
No. of temperature sensor inputs	8	8	8
No. of analogue outputs (0+10 V or PWM) for the control of the circulation pump or an energy source	2	2	2
BUS option – the interconnection of WXD controllers and connection with other Seltron controllers	•	•	•
System control			
Control of a heating system with radiators	•	•	•
Floor heating or cooling system control	•	•	•
Convector heating or cooling system control	•	•	•
Wall or ceiling heating or cooling system control	•	•	•
Domestic hot water heating system control	•	•	•
Heating circuits control			
Direct circuit	•	•	٠
Mixing circuit	•	•	٠
Direct and mixing circuit	_	•	•
Two mixing circuits	_	_	٠
Domestic hot water heating	٠	•	•
Switchover between direct heating circuit and domestic hot water heating	•	•	•
Domestic hot water circulation	•	•	٠
Automatic switchover between heat sources	_	_	٠
Control of the supply line constant temperature	•	•	٠
Single-stage storage tank loading	—	—	٠
Heat source control			
Solid fuel boiler	•	•	•
Solid fuel boiler with a pellet burner	_	_	•
Liquid fuel boiler	•	•	•
Liquid fuel boiler with a two-stage burner	•	•	•
Combined boiler	_	_	•
Gas flow boiler	_	_	•
Heat pump	_	_	•
Storage tank	•	•	٠
Auxiliary heating with electricity	•	•	٠
Solar collectors	_	•	٠
Domestic hot water heating			
With a primary heating source	•	•	•
With a storage tank	•	•	•
Using a solar system	_	•	•
User functions			
Room heating or cooling according to the time programme	•	•	•
Automatic winter/summer mode switchover	•	•	•
PARTY function - activation of the comfort operation mode	٠	•	•
ECO function - activation of the economy operation mode	•	•	•
HOLIDAY function - activation of the operation mode during the holiday season	•	•	•
Domestic hot water heating according to the time programme	•	•	•
One-time domestic hot water heating	•	•	•
BOOST function for intense room heating	•	•	•
Function for screed drying	•	•	•



Heating system protection	WXD10B	WXD10	WXD20
Anti-legionella protection (for a controlled energy source)	•	•	•
Storage tank overheating protection	•	•	•
Boiler overheating protection	•	•	•
Collector frost protection	—	٠	٠
Forced pump start at the highest collector temperature	—	•	•
Switching off of the collectors when the safety temperature has been exceeded	—	•	•
Solar system protection when collectors are overheating	—	٠	•
Storage tank recooling to the desired temperature	—	•	•
Periodic starting up of pumps and mixing valves during a period of inactivity	٠	٠	٠
A comprehensive overview of the heating system operation			
Graphic display of temperatures according to days of the last week	•	٠	•
Detailed display of temperatures for the current day	•	•	•
Notifications on the activated protection functions and warnings about system failures	٠	٠	٠
Possibility to simulate sensors and analyse the system operation	•	٠	٠
Remote access			
Possibility of USB connection to a PC	•	•	•
Connectivity to the SeltronHome platform providing remote control using a smartphone or tablet	•	٠	٠
Setup and installation			
Wizard for an easy and quick device start-up	•	•	•
13-language user interface: EN, DE, FR, NL, PL, ES, SL, IT, CS, LT, GR, HU, HR	•	•	•
Setting up the operation by selecting the hydraulic scheme	•	•	•
"Help" button for quick help with the setup	•	٠	•
Graphically adjustable time programmes	٠	٠	•
Option to simulate the system operation	•	٠	•
Logging and display of changes made to the setup	•	•	•
Option for retrieval of the basic setup in the event of data loss or unwanted changes	•	٠	٠
Option for programming free outputs	•	•	•
Possibility of installation onto the wall or into a cutout (opening)	•	•	•
Simple installation and connection	•	•	•

Technical specifications	WXD10B	WXD10	WXD20
Backlit graphic display	٠	•	•
Operating hours meter	•	•	•
Weekly program timer	•	•	•
Connection voltage		230 V~, 50 Hz	
Own consumption		2.5 W	
Energy consumption in the standby mode		Max. 0.5 W	
No. of inputs	8 pc	cs temperature sensor (Pt 10	000)
No. of outputs	7 pcs mechanical 2 pc analogue 0÷10 V (Y2)	8 pcs mechanical 1 pc electronic 2 pcs PWM or analogue 0÷10 V (Y1, Y2)	9 pcs mechanical 1 pc electronic 2 pcs PWM or analogue 0÷10 V (Y1, Y2)
Relay outputs		4 (1) A~, 230 V~	
Triac output		1 (1) A~, 230 V~	
Clock power supply		Battery CR2032 (Li-Mn) 3 V	,
Clock accuracy		+/-1 s (24 h) at 20 °C	
Degree of protection	I	IP20 according to EN 60529)
Safety class		I according to EN 60730-1	
Operation mode		1B according to EN 60730-1	
Type of temperature sensors		Pt1000 or KTY10	
Operation mode		3-point PID	
Housing material		ASA + PC - thermoplastic	
Permissible ambient temperature		5÷40 °C	
Storage temperature		-20÷65 °C	
Product weight	430 g	440 g	430 g
No. of pieces in the packaging unit		6 pcs	
Dimensions	96		

Electrical connection

WXD10B

[\$	ţ	\$	\$	ţ	ţ	\$			DAC													7		7		7
T1	Т2	Т3	Т4	Т5	Т6	Т7	Т8			Y2	сом	BUS	GND	Ν	L				R6	R5	R4	R3	R2	R1 _c	R1	R0 _c	R0
1	2	3	4	5	6	7	8	9	10	11	12	13	14	21	22	23	24	25	26	27	28	29	30	31	32	33	34

144

WXD10

ť	Ъ '	ţ	\$	\$	\$	\$	ţ	\$		DAC	DAC						N ¢	:			1	1	Ţ					7
Т	1	Т2	Т3	Т4	Т5	Т6	Т7	Т8		Y1	Y2	сом	BUS	GND	Ν	L	R9		R7	R6	R5	R4	R3	R2	$R1_{c}$	R1	R0 _c	RO
		2	3	4	5	6	7	8	9	10	11	12	13	14	21	22	23	24	25	26	27	28	29	30	31	32	33	34

WXD20

	- 	ţ	\$	\$	ţ	ţ	\$		DAC	DAC						NË											7
TI	T2	Т3	Т4	Т5	Т6	Т7	Т8		Y1	Y2	сом	BUS	GND	Ν	L	R9	R8	R7	R6	R5	R4	R3	R2	$R1_{c}$	R1	RO_{c}	RO
1	2	3	4	5	6	7	8	9	10	11	12	13	14	21	22	23	24	25	26	27	28	29	30	31	32	33	34







Oil boiler, mixing circuit, direct circuit, domestic hot water storage tank.



71






Item		Order code	Description
	RON	2WXD10B21100-510	Weather compensated controller SELTRON WXD10B with sensors (2xTF/Pt, 1AF/Pt and 1VF/Pt)
		2WXD1041100-510	Weather compensated controller SELTRON WXD10 with sensors (4xTF/Pt, 1AF/Pt and 1VF/Pt)
	- / /	2WXD2041100-510	Weather compensated controller SELTRON WXD20 with sensors (4xTF/Pt, 1AF/Pt and 1VF/Pt)

Accessories

	1TFPT-000	Immersion temperature sensor SELTRON TF/Pt
	1VFPT-000	Surface temperature sensor SELTRON VF/Pt
BREIMON		
	1FODPT-NN0	Outdoor temperature sensor SELTRON AFD/Pt
Video		
0	1CFPT90-000	Flue gas temperature sensor SELTRON CF/Pt, 90 mm sensor
•	1AVC0532M210-030	Actuator SELTRON AVC 05, 3-point, 5 Nm, 2 min, 230 V~
	1AVC0521M210-030	Actuator SELTRON AVC 05R, 2-point, 5 Nm, 1 min, 230 V~
84/08/04		
* 22 <u>0</u> %		
	1RCD2W-050	Digital room unit SELTRON RCD2, white
() - Ch ()		
@ ?+++	1GWD2-040	Communication module SELTRON GWD2
	10 # 02-040	





Weather compensated and boiler controllers **KXD10B | KXD10 | KXD20**

Boiler and weather compensated controllers in one device also control room heating and domestic hot water heating in addition to liquid fuel boiler control.

Weather compensated and boiler controllers KXD



Introduction

KXD controllers are the new generation of powerful boiler and weather compensated controllers, which also provide the control of room heating and domestic hot water heating in addition to the liquid fuel boiler control. They provide the control of one or two heating circuits, switchover between heat sources, and the protection of the return line during the storage tank loading. They are used with liquid fuel boilers.

Typical application

- Liquid fuel boiler control.
- Radiator room heating system control.
- Floor heating or cooling system control.
- Convector heating or cooling system control.
- Wall or ceiling heating or cooling system control.
- Domestic hot water heating.

Features

- Up to 52 preset hydraulic schemes.
- Boiler and room control.
- Safety functions for boiler protection (Frost and overheating protection of boiler, mechanical thermo fuse to switch the boiler off at exceeded temperature 110 °C).
- Room heating or cooling according to the time programme.
- Domestic hot water heating according to the time programme.
- Solar system domestic hot water heating.
- Control of heating systems with a storage tank.
- The possibility of connecting 2 room units.
- BOOST function for intense room heating.
- Integrated solar system protection features.
- 13-language user interface.
- It can be installed on the wall, in the boiler housing or to the external boiler panels by means of a console.
- Wizard for an easy and quick device start-up.
- Operational diagnostics featuring error and excessive temperature warnings.
- Remote control with the help of the SeltronHome system.





Start-up wizard

The KXD controller is equipped with a start-up wizard, which takes you through the initial setup of the controller in 3 or 4 steps.

- Step 1: language selection.
- Step 2: hydraulic scheme selection.
- Step 3: setting the heating curve for the first heating circuit.
- Step 4: setting the heating curve for the second heating circuit.

10

2.0

Steps 3 and 4

Emission measurement and STB testing

The mode for measuring flue gas emissions is activated by pressing the 🚮 key. In this mode, the controller activates the boiler to enable burner setup and emission measurements.

By pressing the STB key, we activate the thermal fuse test. In this mode, the controller starts the boiler and heats it to 110 °C or until the STB fuse switches it off.

The red-coloured STB symbol 酇 informs that the thermal fuse is active.



Example of installation onto the boiler

KXD controller installation

The KXD controller may be installed in a pre-prepared aperture on the boiler or on the external boiler panels be means of a console. If that is not possible, it can be also installed on the wall.



Example installation into a cutout or an aperture on the boiler



Example of installation onto the wall



Remote control with the help of SeltronHome system

The KXD controllers may be connected to the SeltronHome platform, which provide the heating remote control using a smartphone or tablet.

Remote control is enabled through the CLAUSIUS application for the end user and the KELVIN app for service technicians.

In addition to remote management of the heating, the applications also provide an easy overview of the consumption and monitoring of heating oil costs.



Typical hydraulic connection

Oil boiler, mixing circuit, domestic hot water storage tank. Example: hydraulic connection 401.

Typical application	KXD10B	KXD10	KXD20
Liquid fuel boiler control	•	•	٠
Radiator room heating system control	٠	٠	٠
Floor heating or cooling system control	•	٠	٠
Convector heating or cooling system control	•	٠	٠
Wall or ceiling heating or cooling system control	•	•	•
Domestic hot water heating	•	•	•
Technical characteristics			
No. of preset hydraulic schemes	7	17	52
No. of room units	2	2	2
No. of mechanical relays	7	8	9
No. of solid state relays	—	1	1
No. of temperature sensor inputs	8	8	8
No. of analogue outputs ($0\div10$ V or PWM) for the control of the circulation pump or an energy source	2	2	2
BUS option - the interconnection of KXD controllers and connection with other Seltron controllers	•	•	٠
System control			
Heating system with radiators	•	•	•
Floor heating system	•	•	•
Convector heating system	•	•	•
Wall and ceiling heating systems	•	•	•
Domestic hot water heating systems	•	•	•
Heating circuits control			
Direct heating circuit	•	•	•
Mixing heating circuit	•	٠	•
Direct and mixing heating circuit	_	٠	•
Two mixing heating circuits	_	_	•
Domestic hot water heating	•	•	•
Switchover between direct heating circuit and domestic hot water heating	•	•	•
Domestic hot water circulation	•	٠	٠
Automatic switchover between heat sources	_	_	٠
Control of the supply line constant temperature	٠	٠	٠
Single-stage storage tank loading	—	_	٠
Heat source control			
Solid fuel boiler	•	٠	٠
Solid fuel boiler with a pellet burner	_	_	٠
Liquid fuel boiler	•	٠	•
Liquid fuel boiler with a two-stage burner	•	•	٠
Combined boiler	_	—	٠
Gas flow boiler	_	_	•
Heat pump	_	_	•
Storage tank	•	•	•
Auxiliary heating with electricity	•	٠	٠
Solar collectors	_	•	•
Domestic hot water heating			
With a primary heating source	•	٠	•
With a storage tank	•	٠	•
Using a solar system	_	•	•
User functions			
Room heating or cooling according to the time programme	•	•	•
Automatic winter/summer mode switchover	•	•	•
PARTY function – activation of the comfort operation mode	•	•	•
ECO function - activation of the economy operation mode	•	•	•
HOLIDAY function - activation of the operation mode during the holiday season	•	•	•
Domestic hot water heating according to the time programme	•	•	•
One-time domestic hot water heating	•	•	•
BOOST function for intense room heating	•	٠	•
Function for screed drying	•	٠	•



Heating system protection	KXD10B	KXD10	KXD20
Anti-legionella protection (for a controlled energy source)	٠	٠	٠
Storage tank overheating protection	٠	٠	٠
Boiler overheating protection	•	٠	٠
Collector frost protection	—	٠	٠
Forced pump start at the highest collector temperature	—	٠	٠
Switching off of the collectors when the safety temperature has been exceeded	_	٠	٠
Solar system protection when collectors are overheating	—	٠	٠
Storage tank recooling to the desired temperature	—	٠	٠
Periodic starting up of pumps and mixing valves during a period of inactivity	•	٠	٠
A comprehensive overview of the heating system operation			
Graphic display of temperatures according to days of the last week	•	٠	٠
Detailed display of temperatures for the current day	•	٠	٠
Notifications on the activated protection functions and warnings about system failures	•	٠	٠
Possibility to simulate sensors and analyse the system operation	٠	٠	٠
Remote access			
Possibility of USB connection to a PC	•	٠	٠
Connectivity to the SeltronHome platform providing remote control using a smartphone or tablet	٠	٠	٠
Setup and installation			
Wizard for an easy and quick device start-up	•	٠	•
13-language user interface: ENG, DEU FRE, DUT, POL, SPA, SLV, ITA, CZE, LIT, GRE, HUN, HRV	•	٠	٠
Setting up the operation by selecting the hydraulic scheme	٠	٠	٠
"Help" button for quick help with the setup	•	٠	٠
Graphically adjustable time programmes	•	٠	٠
Option to simulate the system operation	٠	٠	٠
Logging and display of changes made to the setup	•	٠	٠
Option for retrieval of the basic setup in the event of data loss or unwanted changes	•	٠	٠
Option for programming free outputs	•	٠	٠
It can be installed on the wall, in the boiler housing or to the external boiler panels by means of a console	•	٠	٠
Simple installation and connection	•	•	•

Technical specifications	KXD10B	KXD10	KXD20	
Backlit graphic display	•	•	•	
Operating hours meter	•	•	•	
Weekly program timer	•	•	•	
Integrated STB thermal protection	•	•	•	
Connection voltage		230 V~, 50 Hz		
Own consumption		4.5 W		
Energy consumption in the standby mode		Max. 0.5 W		
No. of inputs	8 pcs t	emperature sensor (Pt	1000)	
No. of outputs	7 pcs mechanical 2 pcs PWM or analogue 0÷10 V (Y2)	8 pcs mechanical 1 pc electronic 2 pcs PWM or analogue 0÷10 V (Y1, Y2)	9 pcs mechanical 1 pc electronic 2 pcs PWM or analogue 0÷10 V (Y1, Y2)	
Relay outputs	4 (1) A~, 230 V~			
Triac output	1 (1) A~, 230 V~			
Clock power supply	Battery CR2032 (Li-Mn) 3 V			
Clock accuracy	+/-1 s (24 h) at 20 °C			
Degree of protection	IP20 according to EN 60529			
Safety class	II according to EN 60730-1			
Operation mode	1B according to EN 60730-1			
Type of temperature sensors	Pt1000 or KTY10			
Operation mode	3-point PID			
Housing material	ASA+PC - thermoplastic			
Permissible ambient temperature	5÷40 °C			
Storage temperature	-20÷65 °C			
Product weight	1.070 g	1.075 g	1.080 g	
No. of pieces in the packaging unit		6 pcs		

Dimensions





Electrical connection

KXD10B



KXD10



KXD20







SELIRON







Item	Order code	Description
ARCHION		
	2KXD10B2211-510	Boiler and weather compensated controller SELTRON KXD10B with sensors (2xTF/Pt, 1AF/Pt and 1VF/Pt)
	2KXD102411-510	Boiler and weather compensated controller SELTRON KXD10 with sensors (4xTF/Pt, 1AF/Pt and 1VF/Pt)
11U	2KXD202411-510	Boiler and weather compensated controller SELTRON KXD20 with sensors (4xTF/Pt, 1AF/Pt and 1VF/Pt)

Accessories

	1TFPT-000	Immersion temperature sensor SELTRON TF/Pt
)	1VFPT-000	Surface temperature sensor SELTRON VF/Pt
	1FODPT-NNO	Outdoor temperature sensor SELTRON AFD/Pt
	1CFPT90-000	Flue gas temperature sensor SELTRON CF/Pt, sensor 90 mm
	1AVC0532M210-030 1AVC0521M210-030	Actuator SELTRON AVC 05, 3-point, 5 Nm, 2 min, 230 V- Actuator SELTRON AVC 05R, 2-point, 5 Nm, 1 min, 230 V-
s a a a	1RCD2W-050	Digital room unit SELTRON RCD2, white
a a	16WD2-040	Communication module SELTRON GWD2

88 Seltron d.o.o. | Tržaška cesta 85 A | SI-2000 Maribor | +386 (0)2 671 96 00 | sales@seltron.eu | www.seltron.eu



Compact constant temperature controllers ACD10 | ACD20

They are integrated into the actuator housing with the possibility of an installation onto more than 20 mixing valves of various manufacturers. They control constant supply or return temperature.

Compact constant temperature controllers ACD



Introduction

Constant temperature controllers ACD10 and ACD20 are intended for control of constant temperature in pipeline. Setup of controller is done with keypad and a graphical display, which is used to indicate actual temperatures and other data. Built-in actuator is intended for control of mixing valve. Controller is plugged to power network with prewired power cord.

Controller ACD10 is prewired with temperature sensor and is intended for control of mixing valve. It features simple user interface with setup of controller in only few steps.

Controller ACD20 is prewired with sensor connection box for 2 sensors and is intended for control of mixing valve and circulation pump. It features advanced multi-lingual user interface to setup controller with parameters.

Typical application

- Boiler return-pipe temperature or any other energy source temperature control.
- Heating or cooling system supply temperature control.

Features

- 3 preset hydraulic schemes.
- Display of actual temperature and other operation data.
- Heating or cooling operation mode.
- Overview of temperatures for the past week.
- Display of notifications and warnings about the system operation.
- Control and indication of circulation pump operation.
- Auxiliary sensor for heat source temperature.
- Selection and indication of valve turning direction.
- Possibility to adjust mixing valve control (PID).
- Installation sets for many mixing valves on the market.
- "Click" fixing system.
- Auto orientation of display.





Manual mode clutch

The manual mode clutch of the ACD compact controller is activated by pressing the **the** button. When the clutch is activated, the mixing valve control and, where appropriate, also the circulation pumps are switched off to save energy.



Quick installation

Innovative accessories and installation system provides a quick installation and removal of the ACD compact controller from/to the mixing valve, mostly without any tools. There are accessories for most mixing valves available on the market.



Setup buttons

The buttons for setting the controller are located under the manual turning knob. That prevents unwanted access to the controller setup.



Plug-in connectors

The ACD compact controller has a built-in connector for plug-in connection of the power cord and the temperature sensor. That provides a simple cable replacement in case of damage.



Graphic display

Color graphic display with resolution of 240 x 240 dots provides detailed display of graphics and texts.

Typical application	ACD10	ACD20
Boiler return temperature or any other energy source temperature control	•	•
Heating or cooling system supply temperature control	•	•
Technical characteristics		
No. of preset hydraulic schemes	2	3
No. of solid state relays	—	1
No. of temperature sensor inputs	1	2
Allowed temperature setting in the range 10÷90 °C	٠	٠
Auxiliary sensor for measuring the source temperature	—	•
Heating system protection		
Overheating protection	•	٠
Undercooling protection	٠	٠
Antiblock function for the mixing valve	•	•
Antiblock function for the pump	_	٠
Data display		
Display of notifications and warnings about the system operation	٠	٠
Display of actual temperature and other operation data	٠	٠
Detailed display of temperatures for the current day	•	٠
Overview of temperatures for the past week	•	•
Indication of valve turning direction	•	•
Control and indication of circulation pump operation	_	•
Remote access		
Possibility of USB connection to a PC	•	•
Setup and installation		
Startup wizard for an easy and quick device startup	٠	٠
14-language user interface: EN, DE, FR, NL, PL, ES, SL, IT, CZ, SK, HR, RU, HU, UA	—	•
Connector system for sensor connection	—	•
Setting up the operation by selecting the hydraulic scheme	•	•
Selection of valve turning direction	•	•
Logging and display of changes made to the setup	_	•
Option for retrieval of the basic setup in the event of data loss or unwanted changes	•	•
Installation sets for many mixing valves on the market	•	•
The sensor is pre-wired into the controller	•	_
"Click" fixing system	•	٠
Sensors with a connector for a "Plug & Play" installation	—	٠
The power cord is fitted with a plug	•	•



Technical specifications	ACD10	ACD20	
TFT display	•	•	
Keyboard	•	•	
Own consumption	Max.	3.5 W	
Energy consumption in the standby mode	Max. C	0.25 W	
Torque	1 6	۱m	
Running angle	90	< °	
Running speed	2 min	90 < °	
Mixing valve control	3-poir	nt PID	
Circulation pump control	—	2-point (ON/OFF)	
Control output	—	Solid state relay, 1 (1) A~, 250 V~	
Connection voltage	230 V~	, 50 Hz	
Maximum own consumption	5 W		
Clock power supply	CR1025 battery (Li-Mn) 3 V		
Clock accuracy	+/-1 s (24	n) at 20 °C	
Degree of protection	IP42 accordi	ng to 60529	
Safety class	I according to	o EN 60730-1	
Type of temperature sensors	Pt10	000	
Housing material	PC – dark grey		
Operating temperature	0÷50 °C		
Storage temperature	-20÷65 °C		
Product weight	900 g	1.000 g	
No. of pieces in the packaging unit	24 pcs	12 pcs	
Dimensions	5	20	



Electrical connection











Accessories

1AVDMSA+NN0	Seltron, Acaso, Brv, Esbe Type F & G & MG, Hora, Imit, Imp, Ivar, Paw old type, Somatherm, Valvex Controlmix, Wip (5 Nm)
1AVDMSB+NN0	Seltron, Acaso, Brv, Esbe Type F & G & MG, Hora, Imit, Imp, Ivar, Paw old type, Somatherm, Valvex Controlmix, Wip (10 Nm+)
1AVDMSC+NN0	Afriso ARV series, Danfoss HFE series, Esbe 3F & 4F & T series
1AVDMSD+NN0	Meibes new valve, Brv
1AVDMSE+NN0	Landis & Gyr, Siemens – type VBI, type VBF
1AVDMSF+NN0	Meibes old valve, Wita
1AVDMSG+NN0	Esbe VRG series
1AVDMSH+NN0	Brv 1060 & 1050 series, Herz MV3P & MV4P series, Womix MIX M
1AVDMSI+NN0	Honeywell V544, V543
1AVDMSJ+NN0	Paw K32, K33, K34
1AVDMSK+NN0	Danfoss HRB, HRE
1AVDMSL+NN0	Vexve AMV Series, ABV Series
1AVDMST+NN0	Ball valve ISO 5211, flange F03, axis L/R 9 mm
1AVDMSU+NN0	Ball valve ISO 5211, flange FO4, axis L/R 9 mm
1AVDMSV+NN0	Ball valve ISO 5211, flange FO4, axis L/R 11 mm
1AVDMSW+NN0	Ball valve ISO 5211. flange F05. axis L/R 11 mm



1TFPTC1MP-000Immersion temperature sensor SELTRON TF/Pt, 1 m cord, with a 3.5 mm connector1TFPTC3MP-000Immersion temperature sensor SELTRON TF/Pt, 3 m cord, with a 3.5 mm connector

96 Seltron d.o.o. | Tržaška cesta 85 A | SI-2000 Maribor | +386 (0)2 671 96 00 | sales@seltron.eu | www.seltron.eu



Compact constant temperature controllers ACC30 | ACC40

They are integrated into the actuator housing with the possibility of an installation onto more than 20 mixing valves of various manufacturers. They control constant supply or return temperature.

Compact constant temperature controllers ACC



Introduction

ACC compact controllers are integrated into the actuator housing and are intended for the control of the constant supply or return temperature. They are used in heating or cooling systems. The controller features temperature settings in the range 0.99 °C.

Typical application

- Solid fuel boiler return temperature control.
- Storage tank loading.
- Supply temperature control for pools and other constant temperature heating or cooling systems.

Features

- Up to 3 preset hydraulic schemes.
- 1 mechanical relay.
- Option for controlling the mixing valve according to the temperature of the pipeline and the source.
- Pump control according to the temperature of the pipeline and the source.
- Direct installation onto over 20 different mixing valves.
- The possibility to configure the mixing valve opening direction.
- Innovative connector system for sensor connection.





Start-up wizard

The ACC controller is equipped with a start-up wizard, which takes you through the initial setup of the controller in 3 steps.

Step 1: language selection.

- Step 2: hydraulic scheme selection.
- Step 3: selection of opening direction of the mixing valve.



Step 3



Setting the display orientation

The ACC controller is equipped with a 1.3" OLED display. In the controller setup, you can choose between the normal orientation of the display or the orientation of the display with a rotation of 180 °.



Innovative connector system for connecting temperature sensors

The controller is supplied with wired sensors with various coloured connectors installed. Make the connection by simply inserting the connector into the appropriate unit on the socket. In order to prevent an incorrect connection, the plug-in locations have the same colours as the connectors.



Direct installation onto more than 20 mixing valves

The controllers are available with suitable accessories, which enable direct installation onto more than 20 mixing valves of different manufacturers.



Typical hydraulic scheme

Solid fuel boiler, storage tank, constant return temperature control. Example: hydraulic scheme 1.

Typical application	ACC30	ACC40
Solid fuel boiler return temperature control	•	•
Storage tank loading	•	•
Supply temperature control for pools and other constant temperature heating or cooling systems	•	•
Technical characteristics		
No. of preset hydraulic schemes	3	3
No. of mechanical relays	_	1
No. of temperature sensor inputs	2	2
Mixing valve turning signalling	٠	٠
Circulation pump operation indication	—	٠
Allowed temperature setting in the range 0÷99 °C	•	•
Auxiliary sensor for measuring the source temperature	•	•
The option for controlling the pump according to the temperature of the pipeline and the source	—	•
System control		
Single-stage storage tank loading	•	•
Heating system protection		
Boiler overheating protection	•	•
Antiblock function for pumps	•	•
Antiblock function for pumps and diverting valves	•	•
Data display		٠
Displaying temperatures and other performance data	•	•
Detailed display of temperatures for the current day	•	•
Overview of temperature data for the last week	•	•
Signalling the valve turning direction	•	•
Signalling circulation pump operation	•	•
Notifications on the activated protection functions and warnings about system failures	•	•
Remote access		
Possibility of USB connection to a PC	•	•
Setup and installation		
Startup wizard for an easy and quick device startup	•	•
13-language user interface: EN, DE, FR, NL, PL, ES, SL, IT, CS, LT, GR, HU, HR	•	•
Connector system for sensor connection	•	•
Setting up the operation by selecting the hydraulic scheme	•	•
"Help" button for quick help with the setup	•	•
Adjustment of the mixing valve turning direction	•	•
Logging and display of changes made to the setup	•	•
Option for retrieval of the basic setup in the event of data loss or unwanted changes	•	•
Option of installation onto different types of mixing valves	•	•
Sensors with a connector for a "Plug & Play" installation	•	٠



Technical specifications	ACC30	ACC40		
Backlit OLED display	•	•		
Touch keyboard	•	•		
Weekly program timer	•	•		
Own consumption	Max.	3.5 W		
Energy consumption in the standby mode	Max. 0.25 W			
Torque	1 6	Nm		
Running angle	90	< °		
Running speed	2 min /	′ 90 < °		
Operation mode	3-роі	nt PID		
Relay outputs	-	1×(5(1) A~, 250 V~)		
Connection voltage	230 V~	, 50 Hz		
Clock power supply	CR1025 battery (Li-Mn) 3 V			
Clock accuracy	+/-1 s (24 h) at 20 °C			
Degree of protection	IP20 according to 60529			
Safety class	I according to	o EN 60730-1		
Type of temperature sensors	Pt10	000		
Housing material	PC – black	transparent		
Operating temperature	0÷50 °C			
Storage temperature	-20÷65 °C			
Product weight	720 g	800 g		
No. of pieces in the packaging unit	24 pcs 12 pcs			
Dimensions		96		

-







Item	Code	Description
	1ACC3010-040	Compact constant temperature controller SELTRON ACC30, with sensor (1xTF/Pt)
	1ACC4011-040	Compact constant temperature controller SELTRON ACC40, with sensors (2×TF/Pt)
Accessories		
	1ASCAVMSA000+NN0	Seltron, Acaso, Brv, Esbe, Hora, Imit, Imp, Ivar, Paw, Somatherm, Wip



P.

1ASCAVMSA000+NN0	Seltron, Acaso, Brv, Esbe, Hora, Imit, Imp, Ivar, Paw, Somatherm, Wip (5Nm) (basic version for AVC05)		
1ASCAVMSB000+NN0	Seltron, Acaso, Brv, Esbe, Hora, Imit, Imp, Ivar, Paw, Somatherm, Wip (10Nm+) (basic version for AVC10 and AVC15)		
1ASCAVMSC000+NN0	Centra – type DR/ZR		
1ASCAVMSD000+NN0	Centra – type DRU		
1ASCAVMSE000+NN0	Landis & Gyr, Siemens - type VBI, VBF		
1ASCAVMSF000+NN0	Meibes, Wita		
1ASCAVMSG000+NN0	Esbe VRG		
1ASCAVMSH000+NN0	Firšt		
1ASCAVMSI000-NN0	Honeywell - type V5442, type V5433		
1ASCAVMSJ000-NN0	Paw K32, K33, K34		
1ASCAVMSK000+NN0	Danfoss HRB3		
1ASCAVMSM000-NN0	Ball valve ISO5211, F03, L (9 mm)		
1ASCAVMSN000-NN0	Ball valve ISO5211, F03, L (11 mm)		
1ASCAVMSO000-NN0	Ball valve Belimo R2xx-S, F04, L (10 mm)		
1TFPTC1MP-000	Immersion temperature sensor SELTRON TF/Pt, 1 m cord, with a 3.5 mm connector		
ITFPTC3MP-000	Immersion temperature sensor SELTRON TF/Pt, 3 m cord, with a 3.5 mm connector		

104 Seltron d.o.o. | Tržaška cesta 85 A | SI-2000 Maribor | +386 (0)2 671 96 00 | sales@seltron.eu | www.seltron.eu



Constant temperature controllers **SCC30 | SCC40**

SCC controllers are used for the control of the return temperature of solid fuel boilers as well as for the single- or two-stage loading of the storage tank.

Constant temperature controllers SCC



Introduction

The SCC controllers are intended for controlling a constant supply or return temperature. They are used for the control of the return temperature of solid fuel boilers as well as for the single- or two-stage loading of the storage tank.

Typical application

- Storage tank heating.
- Single-stage storage tank loading.
- Two-stage storage tank loading.

Features

- Up to 6 preset hydraulic schemes.
- Option for controlling the mixing valve according to the temperature of the pipeline and the source.
- Pump control according to the temperature of the pipeline and the source.
- System operation simulation option.
- 4 mechanical relays.
- 2 solid state relays.
- 7 temperature sensor inputs.
- Option to freely programme up to 3 unused outputs.





Step 1



Start-up wizard

The SCC controller features a start-up wizard, which takes you through the initial setup of the controller in 2 steps. Step 1: language selection.

Step 2: hydraulic scheme selection.







Display by years



Display by months

Measurement of the energy obtained

When the solar system is also used for domestic hot water heating, we want to know how much heating energy has been obtained from the solar system.

The SCC controllers provide an informative and accurate measurement of the solar energy obtained and the display of the data in weekly, monthly and yearly diagrams.

- For informative measurements of the solar energy obtained, the maximum reading of the medium flow from the mechanical meter must be entered in the controller setup.
- For accurate measurements of the solar energy obtained, a flow meter with a pulse generator or a Vortex flow meter (VFS) must be installed in the solar system.



Typical hydraulic connection

Solid fuel boiler, storage tank, constant return temperature control, two-stage loading.

Example: hydraulic connection 292.

Typical application	SCC30	SCC40
Solid fuel boiler return temperature control	•	•
Storage tank loading	•	•
Control of a pellet or combined boiler	•	•
Technical characteristics		
No. of preset hydraulic schemes	2	6
No. of storage tanks	1	2
No. of mechanical relays	2	4
No. of solid state relays	2	2
No. of temperature sensor inputs	7	7
Auxiliary sensor for measuring the source temperature	٠	•
Option for controlling mixing valves according to the temperature of the pipelines and the source	•	•
The option for controlling the pump according to the temperature of the pipeline and the source	•	•
Measurement of the energy obtained (kWh)	•	•
Option for pulse meter flow measurement (I/min)	•	•
Free programming option	1 output	up to 3 outputs
System control		
Single-stage storage tank loading	•	•
Two-stage storage tank loading	_	•
Heat source control		
Pellet boiler	•	•
Heating system protection		
Boiler overheating protection	•	•
Antiblock function for pumps	•	•
Antiblock function for pumps and diverting valves	_	•
A comprehensive overview of the heating system operation		
Graphic display of temperatures according to days of the last week	•	•
Detailed display of temperatures for the current day	•	•
Notifications on the activated protection functions and warnings about system failures	•	•
Possibility to simulate sensors and analyse the system operation	•	•
Remote access		
Possibility of USB connection to a PC	•	•
Setup and installation		
Wizard for an easy and quick device start-up	٠	•
13-language user interface: EN, DE, FR, NL, PL, ES, SL, IT, CS, LT, GR, HU, HR	•	•
Setting up the operation by selecting the hydraulic scheme	•	•
"Help" button for quick help with the setup	•	•
Graphically adjustable time programmes	•	•
Option to simulate the system operation	•	•
Logging and display of changes made to the setup	•	•
Option for retrieval of the basic setup in the event of data loss or unwanted changes	•	•
Option for programming free outputs	•	•
Possibility of wall or DIN rail installation	•	•
Simple installation and connection	•	•


Technical specifications	SCC30	SCC40		
Backlit graphic display	•	•		
Operating hours meter	•	•		
Program timer	•	•		
Connection voltage	230 V~	, 50 Hz		
Own consumption	2.5	W		
Energy consumption in the standby mode	Max.	0.5 W		
No. of outputs	7 pcs temperature 1 pulse	e sensor (Pt 1000) e input		
No. of outputs	2 pcs Triac (R2, R3) 2 pcs relay (R1, R4)	2 pcs Triac (R2, R3) 4 pcs relay (R1, R4, R5, R6)		
Relay outputs	4 (1) A~, 230 V~			
Triac outputs	1 (1) A~, 230 V~			
Clock power supply	Battery CR2032 (Li-Mn) 3 V			
Clock accuracy	+/-1 s (24 h) at 20 °C			
Degree of protection	I according to P20/EN60529			
Safety class	I according to EN 60730-1			
Operation mode	1B according	to EN 60730-1		
Type of temperature sensors	Pt1000 0	or KTY10		
Housing material	ASA - the	rmoplastic		
Operating temperature	5÷4	0 °C		
Storage temperature	-20÷	65 °C		
Product weight	410 g	410 g		
No. of pieces in the packaging unit	6 pcs			
Dimensions				



Electrical connection

SCC30



SCC40







Item	Order code	Description
	25003030-010	Constant temperature controller SELTRON SCC30
	2SCC4030-010	Constant temperature controller SELTRON SCC40
BELINION 🔮 Social		
	2SCC3030-010	Constant temperature controller SELTRON SCC30, with sensors (3×TF/Pt)
1	2SCC4030-010	Constant temperature controller SELTRON SCC40, with sensors (3×TF/Pt)
Accessories		
	17507.000	
	IIFPI-000	Immersion temperature sensor SELIRON IF/Pt
	1VFPT-000	Surface temperature sensor SELTRON VF/Pt
	1AVC0532M210-030	Actuator SELTRON AVC 05, 3-point, 5 Nm, 2 min, 230 V~
	1SVC25+NN0	Pulse flow meter SVC 25 (up to 2.5 m³/h, 40 l/min)

112 Seltron d.o.o. | Tržaška cesta 85 A | SI-2000 Maribor | +386 (0)2 671 96 00 | sales@seltron.eu | www.seltron.eu



Actuators AVD | AVDS | AVDR | AVDRS | AVDU | AVDUS | AVDY | AVDM

Actuators AVD control the position of rotary mixing and ball valves. Innovative accessories provide a quick installation and removal, mostly without any tools.

Actuator AVD



Introduction

AVD actuators are intended for position control of rotary mixing and ball valves. They are distinguished by robust construction and quiet operation. Innovative accessories provide a quick installation and removal, mostly without any tools. Turning direction, auxiliary switch activation and manual operations are indicated by means of LED lights.

Typical application

- For controlling mixing valves in heating or cooling systems.
- Switchover between heating and cooling.
- Switchover between heating and domestic hot water heating.
- Switchover between various heat sources.
- Various other central heating devices.

- Can be installed on rotation or ball valves complying with ISO 5211.
- The actuators feature four different installation positions on the valve.
- Resistant to mixing valve blockages.
- The installation and removal can be mostly completed without any tools.
- Adjustable auxiliary switch for activating the circulation pump in any actuator position.
- Operation indication with LED lights.
- An easy replacement of the power cord if damaged.
- A permanent clutch features a switchover between the automatic and manual operation modes. During a switchover, the actuator is switched off electrically.
- Option of adjusting the turning direction and operation functions, without interference with the actuator interior.
- Option of an adjustable auxiliary switch for activating the circulation pump in any actuator position.





Universal 2- or 3-point operation

The universal actuator version provides a 2- or 3-point operation. Based on the electrical connection the actuator provides a 2- or 3-point control.



Manual mode clutch

Manual mode clutch of the AVD actuator can be activated by pressing the \oplus key. An activated clutch is indicated with a dimmed direction indication LED.



Quick installation

Innovative accessories and the installation system provide a quick installation and removal of the AVD actuator to/from the ball valve, mostly without any tools.



Plug-in connector

The AVD actuator with an integrated outlet in the housing for connector connection of the power cord. That provides a simple cable replacement in case of damage.



AUX switch

The AVD actuator features an extra switch for switching on loads up to 5 A, 230 V-. In order to configure an auxiliary switch, simply remove the manual turning button. The activation/deactivation point can be configured in any actuator position.

Typical application	AVD	AVDS	AVDR	AVDRS	AVDU	AVDUS	AVDY	AVDM
For controlling mixing valves in heating or cooling systems	٠	٠	—	—	٠	٠	٠	•
Switchover between heating and cooling	٠	٠	٠	•	٠	•	٠	•
Switchover between heating and domestic hot water heating	٠	٠	٠	٠	٠	•	•	٠
Switchover between various heat sources	•	•	٠	٠	٠	•	•	•
Various other central heating devices	•	•	٠	٠	٠	•	•	•
Torque								
5 Nm	•	•	٠	٠	٠	•	_	•
10 Nm	•	•	٠	٠	٠	•	•	•
15 Nm	•	•	•	٠	•	•	•	•
Operation mode								
Two-point	•	•	٠	٠	٠	•	_	_
Three-point	•	٠	_	_	٠	•	_	_
Proportional 0(2)÷10 V or 0(4)÷20 mA	_	_	_	_	_	_	٠	_
PWM control signal	_	_	_	_	_	_	•	_
ModBus	_	_	_	_	_	_	_	•
Pump ON switch								
Adjustable auxiliary switch for activating the circulation pump in any actuator position	_	٠	_	٠	-	•	_	_
Possible running speeds								
12 s/90 °	*(5 Nm)	_	_					
24 s/90 °	*(5 Nm)	_	_					
60 s/90 °	•	٠	٠	٠	٠	•	٠	•
120 s/90 °	٠	٠	٠	٠	٠	٠	٠	•
240 s/90 °	•	٠	٠	٠	•	•	_	_
480 s/90 °	•	•	•	٠	•	•	_	_
Power supply								
230 V~, 50 Hz	٠	٠	٠	٠	٠	٠	_	_
24 V~, 50 Hz	٠	٠	٠	٠	٠	٠	٠	•
24 V=	—	—	_	—	_	—	٠	•
Operation display								
Display of valve turning direction with LED lights	•	•	٠	•	٠	•	•	•
Valve position indication on the scale	٠	٠	٠	٠	٠	•	٠	•
Indication of the auxiliary (AUX) switch activation	_	•	_	•	_	_	_	-
Resistant to mixing valve blockages	•	•	٠	٠	٠	•	•	•
Installation								
Can be installed on rotation or ball valves complying with ISO 5211	٠	٠	٠	٠	٠	٠	٠	٠
The installation and disassembly are screwless	•	•	٠	٠	٠	•	•	•
The actuators feature four different installation positions	٠	•	٠	•	•	•	•	•
Connection cable fitted with a connector	•	•	•	•	٠	•	•	•
Turning direction adjustment and operation functions, without interference with the actuator interior	•	•	•	•	•	•	•	•
A permanent clutch features a switchover between the automatic and manual operation modes. During a switchover, the actuator is switched off electrically	٠	٠	٠	٠	٠	•	•	•



Technical specifications	AVD	AVDS	AVDR	AVDRS	AVDU	AVDUS	AVDY	AVDM
Connection voltage		230 V- ali 24 V- 24 V- ali 24 V=						i 24 V=
Own consumption				2,5÷5	5 W			
Auxiliary pump OFF switch	_	250 V~, 3 A	—	250 V~, 3 A	_	250 V~, 3 A	—	—
Degree of protection				IP 4	42			
Safety class			l for 230 V~ p	ower supply, III	l for 24 V~/V	= power supply	/	
Applied standards				EN 60730-1, E	N 60730-2-1	4		
Housing material				PC - da	rk grey			
Standard cable length				2 r	n			
Operating temperature				0÷50) °C			
Storage temperature				-20÷7	′5 °C			
Product weight				390÷8	360 g			
No. of pieces in the packaging unit				24 p	DCS			
			5	p,50	5	95		
Electrical connection			123 X X X X X X X X	12345 N ard L + ↓ N L m + ↓	1 2 3 3-point N	12345 3point N 2 soint N 2 soint N 2 soint N 2 soint	1234 † † † † ~ 1 Y X * -	1234 † † † † ~ 1 Y X + -

Item	Order code	Description
SELIRON	1AVD0532M210-030	Actuator SELTRON AVD05, 3-point, 5 Nm, 2 min, 230 V~
	1AVD0512M210-030	Actuator SELTRON AVD05, universal 2- and 3-point, 5 Nm, 2 min, 230 V~
	1AVD05Y2M210-030	Actuator SELTRON AVD05Y, proportional, 5 Nm, 2 min, 24 V-/=
6	1AVD15C2M210-030	Actuator SELTRON AVD15, 3-point, with an auxiliary switch, 15 Nm, 2 min, 230 V~
	1AVD15A2M210-030	Actuator SELTRON AVD15, universal 2- and 3-point, with an auxiliary switch, 15 Nm, 2 min, 230 V~

Accessories

1AVDMSA+NN0	Seltron, Acaso, Brv, Esbe Type F & G & MG, Hora, Imit, Imp, Ivar, Paw old type, Somatherm, Valvex Controlmix, Wip (5 Nm)
1AVDMSB+NN0	Seltron, Acaso, Brv, Esbe Type F & G & MG, Hora, Imit, Imp, Ivar, Paw old type, Somatherm, Valvex Controlmix, Wip (10 Nm+)
1AVDMSC+NN0	Afriso ARV series, Danfoss HFE series, Esbe 3F & 4F & T series
1AVDMSD+NN0	Meibes new valve, Brv
1AVDMSE+NN0	Landis & Gyr, Siemens – type VBI, type VBF
1AVDMSF+NN0	Meibes old valve, Wita
1AVDMSG+NN0	Esbe VRG series
1AVDMSH+NN0	Brv 1060 & 1050 series, Herz MV3P & MV4P series, Womix MIX M
1AVDMSI+NN0	Honeywell V544, V543
1AVDMSJ+NN0	Paw K32, K33, K34
1AVDMSK+NN0	Danfoss HRB, HRE
1AVDMSL+NN0	Vexve AMV Series, ABV Series
1AVDMST+NN0	Ball valve ISO 5211, flange F03, axis L/R 9 mm
1AVDMSU+NN0	Ball valve ISO 5211, flange F04, axis L/R 9 mm
1AVDMSV+NN0	Ball valve ISO 5211, flange FO4, axis L/R 11 mm
1AVDMSW+NN0	Ball valve ISO 5211, flange F05, axis L/R 11 mm



120 Seltron d.o.o. | Tržaška cesta 85 A | SI-2000 Maribor | +386 (0)2 671 96 00 | sales@seltron.eu | www.seltron.eu



Actuators AVC | AVC S | AVC R | AVC RS | AVC Y

They control the position of rotary mixing and ball valves. Their robust construction means they are an excellent choice even under demanding operation conditions.

Actuators AVC



Introduction

AVC actuators are intended for the control of rotary mixing and ball valves.

Typical application

- For controlling mixing valves in heating or cooling systems.Switchover between heating and cooling.
- Switchover between heating and domestic hot water heating.
- Switchover between various heat sources.
- In solar systems.
- In domestic hot water heating systems.
- Controls ventilation system elements.
- As a component in central heating devices.

- Robust construction.
- Four possible installation positions.
- Actuator protection in case of mixing valve blockage.
- Signalisation of operation with LED technology.
- It can be installed on rotary mixing or ball valves.
- Possibility of a proportional control of mixing valves.
- Option of an adjustable auxiliary switch for activating the circulation pump in any actuator position.







Direct installation onto more than 20 different valves

The actuators are available with suitable accessories, which enable direct installation onto more than 20 mixing valves of different manufacturers.

Typical application	AVC	AVC S	AVC R	AVC RS	AVC Y
For controlling mixing valves in heating or cooling systems	٠	•	_	_	_
Switchover between heating and cooling	_	_	٠	٠	_
Switchover between heating and domestic hot water heating	_	_	•	•	
Switchover between various heat sources	_		•	•	
In solar systems	—	—	٠	•	_
In domestic hot water heating systems	٠	٠	٠	٠	-
Controls ventilation system elements	—	—	—	-	٠
Various other central heating devices	•	٠	٠	•	٠
Torque					
5 Nm	•	٠	٠	•	_
10 Nm	•	٠	٠	٠	٠
15 Nm	•	٠	٠	•	٠
Operation mode					
Two-point	_	_	٠	•	_
Three-point	•	٠	_	_	_
Proportional	_	_	_	_	•
Pump OFF switch					
Adjustable auxiliary switch for activating/deactivating the circulation pump in any position	-	٠	-	٠	-
Possible running speeds					
15 s / 90°	•	٠	_	_	•
30 s / 90°	•	٠	٠	•	•
60 s / 90°	•	٠	٠	•	•
120 s / 90°	•	٠	٠	•	٠
240 s / 90°	•	٠	٠	•	_
480 s / 90°	•	٠	٠	•	•
Power supply					
230 V~, 50 Hz	•	٠	٠	٠	_
24 V~, 50 Hz	•	٠	٠	•	_
24 V~ / 24 V=	_	_	_	_	٠
Possible variants of the manual turning lever					
Button	•	•	٠	•	•
Lever	•	•	٠	•	•
Only valve position indicator	•	٠	٠	٠	•
Protection					
Actuator protection in case of mixing valve blockage	٠	٠	٠	•	•
Operation display					
LED display of the mixing valve turning direction	•	•	•	•	•



Technical specifications	AVC	AVC S	AVC R	AVC RS	AVC Y
Connection voltage		2	230 V~ or 24 V~		
Own consumption			<5 W		
Auxiliary pump OFF switch			230 V~, 3 A		
Degree of protection			IP42		
Safety class		II for t III for	he voltage of 23 the voltage of 2	30 V~ 24 V~	
Housing material			PC - dark grey		
Standard cable length			2 m		
Operating temperature			0÷50 °C		
Storage temperature			-20÷75 °C		
Product weight			390÷860 g		
No. of pieces in the packaging unit			24 pcs		
Dimensions		84		101	
Electrical connection	123 ↑↓↓ N L 1 ~	AUX 1 2 3 4 5 1 ↓ ↓ ↓ N L 1 ~		AUX 1 2 3 4 5 ↑ ↑ ↑ ↓ N L ↓ ~	1234 ↑↑↑↓ ~↓YX + -

Item	Order code	Description						
•	Three-point actuator AVC							
	1AVC0532M210-030	Actuator SELTRON AVC05, 3-point, 5 Nm, 2 min, 230 V~						
BELIRON								
•	Three-point actuator A	VC S - with an end-limit switch						
	1AVC05C2M210-030	Actuator SELTRON AVC05S, 3-point, with a switch, 5 Nm, 2 min, 230 V~						
	1AVC15C2M220-030	Actuator SELTRON AVC15S, 3-point, with a switch, 15 Nm, 2 min, 230 V-						
	Two point actuator AV							
		K						
	IAVC052IM210-030	Actuator Seliron Avcosr, 2-point, 5 nm, 1 min, 230 V~						
	Two-point actuator AV	C RS – with an end-limit switch						
	1AVC05B1M210-030	Actuator SELTRON AVC05RS, 2-point, with a switch, 5 Nm, 1 min, 230 V~						
	1AVC15B1M220-030	Actuator SELTRON AVC15RS, 2-point, with a switch, 15 Nm, 1 min, 230 V~						
	Proportional actuator A	AVC 10Y						
	1AVC10Y1M510-030	Actuator SELTRON AVC10Y, proportional, 10 Nm, 1 min, 24 V~						
Accessories								
	1ASCAVMSA000+NN0	Seltron, Acaso, Brv, Esbe, Hora, Imit, Imp, Ivar, Paw, Somatherm, Wip (5Nm) (basic version for AVC05)						
	1ASCAVMSB000+NN0	Seltron, Acaso, Brv, Esbe, Hora, Imit, Imp, Ivar, Paw, Somatherm, Wip (10Nm+) (basic version for AVC10 and AVC15)						
	1ASCAVMSC000+NN0	Centra – type DR/ZR						
	1ASCAVMSD000+NN0	Centra – type DRU						
	1ASCAVMSE000+NN0	Landis & Gyr, Siemens – type VBI, VBF						
	1ASCAVMSF000+NN0	Meibes, Wita						
10/18	1ASCAVMSG000+NN0	Esbe VRG						
e 1	1ASCAVMSH000+NN0	Firšt						
	1ASCAVMSI000-NN0	Honeywell – type V5442, type V5433						
	1ASCAVMSJ000-NN0	Paw K32, K33, K34						
	1ASCAVMSK000+NN0	Danfoss HRB3						
	1ASCAVMSM000-NN0	Ball valve ISO5211, F03, L (9 mm)						
	1ASCAVMSN000-NN0	Ball valve ISO5211, F03, L (11 mm)						
	1ASCAVMSO000-NN0	Ball valve Belimo R2xx-S, F04, L (10 mm)						



Actuators AVC with a mixing value 3 W or 4 W



Typical application

- In various heating and cooling systems.
- Switchover from a solid fuel boiler to an oil boiler.
- Switchover from a solid fuel boiler to a gas boiler.
- Switchover of the storage tank to an oil boiler.
- Switchover of the storage tank to a gas boiler.Switchover between a solid fuel boiler and a solar system
- (domestic hot water heating).Switchover of the heat pump and the solar system (domestic hot water heating).
- Switchover between heating and domestic hot water heating.
- Switchover of the collectors east/west.
- Switchover of the domestic hot water storage tank to the storage tank (solar system).
- Switchover of the domestic hot water storage tank to the pool (solar system).
- Switchover between two heat exchangers.

- Minimum resistance or flow reduction.
- Suitable for use in residential and commercial systems.
- Suitable for use in heating systems as well as in domestic hot water systems.
- An extremely easy and quick installation.
- Turning direction indicator.
- Valve position indication.
- Integrated permanent clutch for the manual mode.
- In the case of a blocked valve, the actuator is not damaged.

AVC + mixing valve 3 W	AVC + mixing valve 4 W
•	•
•	-
•	—
•	—
•	—
•	_
•	_
•	_
•	_
•	—
•	_
•	_
	AVC + mixing valve 3 W • • • • • • • • • • • • • •

Technical specifications	AVC RS
Connection voltage	230 V~ or 24 V~
Own consumption	< 5 W
Auxiliary pump OFF switch	250 V~, 3 A
Degree of protection	IP 42
Safety class	II for the voltage of 230 V- III for the voltage of 24 V-
Housing material	PC - dark grey
Standard cable length	2 m
Operating temperature	0÷50 °C
Storage temperature	-20÷75 °C
Product weight	390÷860 g
No. of pieces in the packaging unit	12 pcs
Dimensions	



Electrical connection



Technical specifications	Mixing valve 3 W	Mixing valve 4 W	
Operation mode	3 W	4 W	
Maximum operating pressure	10 bar		
Maximum operating temperature	110 °C		
Running angle	90 °		
Body	Brass		
Stem	Brass		
Cover	Brass		
Stem seat	Brass		

Item	Order code	Description

C SELTRON	

ree-point actuator AVC05 + mixing valve - set

Three-point actuator A	VC05 + mixing valve - set
7AVC053V3342-030	Actuator SELTRON AVC05 (5 Nm, 2 min, 230 V-) + MV 3W 3/4" KV 6.3
7AVC053V3013-030	Actuator SELTRON AVC05 (5 Nm, 2 min, 230 V-) + MV 3W 1" KV 8
7AVC053V3544-030	Actuator SELTRON AVC05 (5 Nm, 2 min, 230 V-) + MV 3W 5/4" KV 12
7AVC053V4342-030	Actuator SELTRON AVC05 (5 Nm, 2 min, 230 V-) + MV 4W 3/4" KV 6.3
7AVC053V4013-030	Actuator SELTRON AVC05 (5 Nm, 2 min, 230 V-) + MV 4W 1" KV 8
7AVC053V4544-030	Actuator SELTRON AVC05 (5 Nm, 2 min, 230 V-) + MV 4W 5/4" KV 12



Actuators AVC with a ball valve 2 W or 3 W



Typical application

- Switchover from a solid fuel boiler to an oil boiler.
- Switchover from a solid fuel boiler to a gas boiler.
- Switchover of the storage tank to an oil boiler.
- Switchover of the storage tank to a gas boiler.Switchover between a solid fuel boiler and a solar system
- (domestic hot water heating).Switchover between an oil boiler and a solar system (domestic hot water heating).
- Switchover of the heat pump and the solar system (domestic hot water heating).
- Switchover between heating and domestic hot water heating.
- Switchover of the collectors east/west.
- Switchover of the domestic hot water storage tank to the storage tank (solar system).
- Switchover of the domestic hot water storage tank to the pool (solar system).
- Switchover between two heat exchangers.
- ON/OFF zone control of heating systems.
- As a blocking element for heating systems.
- As a blocking element for domestic hot water systems.
- As a blocking element for cooling systems.
- As a blocking element in processing industry and agriculture.

- Minimum resistance or flow reduction.
- Suitable for use in residential and commercial systems.
- Suitable for use in heating systems as well as in domestic hot water systems.
- An extremely easy and quick installation.
- Turning direction indicator.
- Valve position indication.
- Integrated permanent clutch for the manual mode.
- In the case of a blocked valve, the actuator is not damaged.
- Perfect sealing.

Typical application	AVC RS + ball valve 2 W	AVC RS + ball valve 3 W
Switchover from a solid fuel boiler to an oil boiler	—	٠
Switchover from a solid fuel boiler to a gas boiler	—	•
Switchover of the storage tank to an oil boiler	—	•
Switchover of the storage tank to a gas boiler	—	•
Switchover between a solid fuel boiler and a solar system (domestic hot water heating)	—	•
Switchover between an oil boiler and a solar system (domestic hot water heating)	—	•
Switchover of the heat pump and the solar system (domestic hot water heating)	_	•
Switchover between heating and domestic hot water heating	_	•
Switchover of the collectors east/west	_	•
Switchover of the domestic hot water storage tank to the storage tank (solar system)	_	•
Switchover of the domestic hot water storage tank to the pool (solar system)	_	•
Switchover between two heat exchangers	_	•
ON/OFF zone control of systems	•	_
As a blocking element for heating systems	•	_
As a blocking element for domestic hot water systems	•	_
As a blocking element for cooling systems	•	_
As a blocking element in processing industry and agriculture	•	_





Signalisation of operation

The signalisation of operation with LEDs on the actuator shows the direction in which the mixing valve is moving. The user always has an overview whether the actuator is stationary or moving.

Manual mode clutch

When the button is in the 🛞 position, the actuator operates automatically.

When the button is in the ${\overset{0}{\square}}$ position, the valve position can be set with a button or the manual turning lever.



Four possible installation positions

The AVC actuator can be installed on the ball valve in four positions (up, down, left, right).



Technical specifications	AVC	RS	
Connection voltage	230 V~ or 24 V~		
Own consumption	< 5 W		
Standby consumption	< 0.25 W		
Auxiliary pump OFF switch	250 V	~, 3 A	
Degree of protection	IP -	42	
Safety class	II for the voltage of 230 V~ III for the voltage of 24 V~		
Housing material	PC – da	rk grey	
Standard cable length	2	m	
Operating temperature	0÷50	D°C	
Storage temperature	-20÷7	75 °C	
Product weight	390÷860 g		
No. of pieces in the packaging unit	12 pcs		
Electrical connection	AUX 1 2 3 4 5 1 1 1 1 N L 1 ~		
Technical specifications	Ball valve 2 W	Ball valve 3 W	
Operation mode	2 W	3 W	
Operating temperature	-20÷110 °C		

-20÷110 °C	
90 °	
1/2", 3/4", 1", 5/4"	1/2", 3/4", 1"
	-20÷11 90 1/2", 3/4", 1", 5/4"

tem Order code	Description
----------------	-------------



wo-point actuator AVC05RS – with an end-limit switch +	· switchover ball valve - set	

Two-point actuator A	/C05RS - with an end-limit switch + switchover ball valve - set
1AVC05B3022315-0	Actuator SELTRON AVC05RS, 30 s, 230 V~ + 3 W ball valve 1/2"
1AVC10B1M22320-0	Actuator SELTRON AVC10RS, 1 min, 230 V~ + 3 W ball valve 3/4"
1AVC15B1M22325-0	Actuator SELTRON AVC15RS, 1 min, 230 V~ + 3 W ball valve 1"



Two-point actuator AVC05RS - with an end-limit switch + ball valve - set

1AVC05B3022215-0	Actuator SELTRON AVC05RS, 30 s, 230 V~ + 2 W ball valve 1/2"
1AVC05B3022220-0	Actuator SELTRON AVC05RS, 30 s, 230 V~ + 2 W ball valve 3/4"
1AVC10B1M22225-0	Actuator SELTRON AVC10RS, 1 min, 230 V~ + 2 W ball valve 1"
1AVC15B1M22232-0	Actuator SELTRON AVC15RS, 1 min, 230 V~ + 2 W ball valve 5/4"

132 Seltron d.o.o. | Tržaška cesta 85 A | SI-2000 Maribor | +386 (0)2 671 96 00 | sales@seltron.eu | www.seltron.eu



Digital room units RCD2 | RCD3 | RCD4

Room units RCD2 provide a simple and comfortable heating system operation from your workspace. Room units RCD2 are compatible with all Seltron weather-compensated heating controllers. Room units RCD3 and RCD4 are compatible with Seltron zone heating controllers.

Digital room unit RCD2



Introduction

Room unit RCD2 provide a simple and comfortable heating system operation from your workspace. It is compatible with all Seltron weather-compensated heating controllers.

For a clear data display, the RCD2 room unit is equipped with a large backlit LCD display with automatic backlight adjustment according to the illumination of the room.

Typical application

 The RCD2 room unit is used for heating system control from the central living space. It provides a series of user-friendly features. In addition to the room temperature, it also measures the relative air humidity and pressure.
Based on the measured air pressure it also displays the weather forecast.

- Display of actual and set temperature.
- Switching on or off a large set of user functions.
- Display of measured temperatures at the controller.
- Display of error warnings and notifications regarding excessive temperatures.
- Display of relative humidity.
- Display of air pressure and weather forecast.
- Large backlit display.
- Modern and elegant design.







You can easily and quickly select or change the operation mode on the room unit. By pressing a key you turn the heating on or off, start the domestic hot water heating or switch between room heating or cooling.





Change the desired daytime or nighttime temperature

You can easily change the set temperature with the +/- keys. The room unit automatically saves the changes made without any confirmation. Switch between the daytime, nighttime or domestic hot water temperature with the "Info" key. The icon shown on the display shows us which temperature is currently being changed.

PARTY function

Use the PARTY function to turn on heating at the desired comfort temperature. After the configured time has passed, the operation switches to the current time programme. The duration can be changed freely for all user functions.

ECO function

Use the ECO function to activate the heating function according to the lowenergy temperature.

HOLIDAY function

For longer absences, you can set room heating or cooling to the holiday time temperature by means of the HOLIDAY function. The latter is preset to 12 °C and can be freely changed. The HOLIDAY function

can be terminated by setting the date up to which the function shall be active.

ONE-TIME DOMESTIC HOT WATER HEATING function

The function provides the start of the domestic hot water heating at the desired temperature at any time. The function shuts down automatically when the desired domestic hot water temperature has been reached or after one hour at the latest.



Measurements and data display

The RCD2 room unit measures and displays the temperature of the room, relative air humidity, air pressure and weather forecast.

Typical application	RCD2
The RCD room unit is used for the heating system control from the central living space. It is compatible with all Seltron weather-compensated heating controllers. In addition to the room temperature, it also measures the relative air humidity and pressure.	٠
System control (together with one of the heating controllers)	
Radiator system	٠
Floor system	•
Convector system	•
Wall or floor system	•
Domestic hot water heating	•
Technical characteristics	
Option of connecting an auxiliary sensor	•
Compatible with all modern Seltron heating controllers, such as WDC, CMP, WXD, KXD, AHC and KUD	•
User functions	
Heating time programme configuration	•
PARTY function – activation of the comfort operation mode	•
ECO function – activation of the economy operation mode	٠
HOLIDAY function - activation of the operation mode during the holiday season	•
Domestic hot water heating time programme configuration	•
One-time domestic hot water heating	•
Data display	
Display of the actual and set temperatures	٠
Display of relative humidity	٠
Display of weather forecast	•
Display of temperatures measured with the controller	•
Notifications on the activated protection functions and warnings about system failures	•
Setup and installation	
Wall installation or installation into a flush mounted socket	•
Simple installation and connection	•



Technical specifications	RCD2		
Wall installation or installation into a flush mounted socket	•		
Weekly program timer	•		
Power supply	Connection with the controller		
Own consumption	< 0.02 W		
Air humidity sensor	•		
Illumination sensor	•		
Air pressure sensor	•		
Clock power supply	Battery CR2032 (Li-Mn) 3 V		
Clock accuracy	+/-1 s (24 h) at 20 °C		
Degree of protection	IP20 according to SIST EN 60529		
Safety class	III according to SIST EN 60730-1		
Type of temperature sensors	RTD Murata NTC (10 kE)		
Housing material	PC – thermoplastic		
Permissible ambient temperature	0÷40 °C		
Storage temperature	-20÷65 °C		
Product weight	140 g		
No. of pieces in the packaging unit	24 pcs		
Dimensions			



Electrical connection



Item	Order code	Description
SELVICH		
	1RCD2W-050	Digital room unit SELTRON RCD2, white

Digital room units RCD3 | RCD4



Introduction

Room units RCD3 and RCD4 feature a simple and comfortable heating system operation from your workspace. They are compatible with zone controllers Seltron ZCE.

For a clear data display, the RCD3 and RCD4 room units are equipped with a large backlit LCD display with automatic backlight adjustment according to the illumination of the room.

Typical application

 Room units RCD3 and RCD4 are used for heating system control from the central living space. In addition to the room temperature, they also measure the relative air humidity and pressure. Based on the measured air pressure they also display the weather forecast.

- Display of actual and set temperature.
- Switching on or off a large set of user functions.
- Display of measured temperatures at the controller.
- Display of error warnings and notifications regarding excessive temperatures.
- Display of relative humidity.
- Display of air pressure and weather forecast.
- Option of wired or wireless connections with the controller.
- Large backlit display.
- Modern and elegant design.





PARTY function

Use the PARTY function to turn on heating at the desired comfort temperature. After the configured time has passed, the operation switches to the current time programme. The duration can be changed freely for all user functions.

ECO function

Use the ECO function to activate the heating function according to the lowenergy temperature.

HOLIDAY function

For longer absences, you can set room heating or cooling to the holiday time temperature by means of the HOLIDAY function.

The latter is preset to 12 °C and can be freely changed. The HOLIDAY function can be terminated by setting the date up to which the function shall be active.



Option of selecting the master room unit for the central control of all six temperature zones.

When defining the first room unit as the "MASTER" unit, the setup can be carried out only at one room unit whereas these apply to all other slave room units. That way we avoid a painstaking configuration of identical settings on several room units. The ZCE zone controller provides three autonomy levels of slave room units. The setting we select depends on the freedom we want to leave to the user in controlling individual zones.



Solution for a smooth communication signal flow between the room unit and the controller

Communication with wireless room units is often difficult due to the fact that the junction boxes are flush-mounted and made of metal sheet that prevents a smooth flow of the radio signal. For the ZCE controller, we enabled the installation of the transmitter outside the junction box housing. This ensured a smooth communication between the controller and wireless room units.

Typical application	RCD3	RCD3W	RCD4	RCD4WP
The RCD room unit is a powerful device for the management of the heating system from your living room. It is compatible with Seltron zone heating controllers.	•	٠	•	•
System control (together with one of the heating controllers)				
Floor heating system	•	•	٠	•
Convector heating system	•	•	٠	•
Wall and ceiling heating systems		•	•	•
Technical characteristics				
Option of connecting an auxiliary sensor	•	•	٠	•
Possibility of a wired connection with the zone controller	•	_	•	•
Possibility of a wireless connection with the zone controller	—	•	_	•
Large backlit display	•	•	٠	•
User functions				
Heating time programme configuration	•	•	٠	•
PARTY function - activation of the comfort operation mode	_	—	٠	•
ECO function - activation of the economy operation mode	—	—	٠	•
HOLIDAY function – activation of the operation mode during the holiday season	_	—	•	•
Measurements and data display				
Measurement of air quality in the room	_	_	_	_
Display of the actual and set temperature	•	•	٠	•
Display of relative humidity	•	•	•	•
Display of weather forecast	•	•	•	•
Display of temperatures measured with the controller	•	•	•	•
Zone status display	•	•	•	•
Setup and installation				
Wall installation or installation into a flush mounted socket	•	•	٠	•
Simple installation and connection	•	•	•	•



Technical specifications	RCD3	RCD3W	RCD4	RCD4WP
Backlit LCD display	•	٠	•	•
Weekly program timer	•	٠	•	٠
Power supply	Connection with the controller	2 × AAA, 1.5 V	Connection with the controller	2 × AAA, 1.5 V
Own consumption	0.02 W	0.06 W	0.02 W	0.06 W
Air humidity sensor	•	•	•	٠
Illumination sensor	•	٠	•	٠
Air pressure sensor	•	•	•	•
Clock power supply	R1025 battery (Li-Mn) 3 V			
Clock accuracy	+/-1 s (24 h) at 20 °C			
Degree of protection	IP20 according to SIST EN 60529			
Safety class	III according to SIST EN 60730-1			
Type of temperature sensors	RTD Murata NTC (10kE)			
Housing material	PC – thermoplastic			
Permissible ambient temperature	0÷40 °C			
Storage temperature	-20÷65 °C			
Product weight	140 g	140 g	140 g	140 g
No. of pieces in the packaging unit	24 pcs			
Dimensions		T		



03W-050	Room unit SELTRON RCD3, for zone control, white
03WW-050	Wireless room unit SELTRON RCD3W, for zone control, white
04W-050	Advanced room unit SELTRON RCD4, for zone control, white
04WWP-050	Advanced wireless room unit SELTRON RCD4WP, for zone control, with air quality sensor, white
	3W-050 3WW-050 4W-050 4WWP-050



144 Seltron d.o.o. | Tržaška cesta 85 A | SI-2000 Maribor | +386 (0)2 671 96 00 | sales@seltron.eu | www.seltron.eu


Digital room thermostats ST1B | ST1N | ST1E

Room thermostats are used for controlling room temperature in apartments or smaller singlefamily houses. In larger facilities, ST room thermostats are used for heating control of individual zones.

Digital room thermostats ST



Introduction

ST is the new generation of modern room thermostats. They are used for the control of room temperature in smaller houses or for the zone control of room temperature in larger residential facilities. In addition to the room temperature, it also measures the relative air humidity and pressure.

Typical application

- Radiator or convector heating.
- Floor heating (low-temperature control of the supply temperature must be ensured).
- Wall or ceiling heating or cooling.
- Electric floor heating.

Features

- Up to 5 preset applications.
- 2 preset time programmes.
- Simple use and setup.
- Display of the measured and desired temperature.
- PARTY, ECO and HOLIDAY user functions.
- Weekly program timer for time programmes.
- Automatic switchover between winter and summer time.
- No new setup required in the event of power failure.
- Measurement of relative air humidity, air pressure, weather forecast display.
- Simple installation and connection.





Large backlit display

The ST room thermostats feature a large display that allows the users to read the information from a distance. The ST model is equipped with a light sensor for an optimum visibility, with the help of which the illumination of the display is adapted to the light in the room.



Preset time programmes

ST room thermostats provide the selection between two preset time programmes. The user is able to create the time programmes according to their wishes, or they may use to preset time programmes and adapt them if necessary.



PARTY, ECO, HOLIDAY user functions

The thermostat is equipped with quick buttons through which we enter user functions directly, such as PARTY (*), ECO (****) and HOLIDAY (*****). By choosing the PARTY function, the daytime room heating is prolonged. By choosing the ECO function, the heating temperature reduces for a certain period of time.

In the holiday operation mode, we set the heating temperature during our prolonged absence.

Measurement of relative air humidity, air pressure, weather forecast display ST measures the air humidity and pressure in the room. Based on the air

pressure, also the weather forecast is possible.



Installation options

Battery powered room thermostats or thermostats with a standard electrical connection are available. They can be installed into a pre-prepared flush-mounted socket or on the wall.

Typical application	ST1B	ST1N	ST1E
Battery-powered	•	_	_
Mains power supply	_	•	•
Heating or cooling control of residential rooms	•	•	•
Heating or cooling control of business premises	•	•	•
Technical characteristics			
No. of mechanical relays	1	1	1
No. of temperature sensor inputs	1	1	1
System control			
Radiator or convector heating	•	•	_
* Floor heating or cooling	•	•	-
* Wall or ceiling heating or cooling	•	٠	_
Electric floor heating	_	_	•
* Low-temperature control of the supply temperature must be ensured			
Heating circuits control			
Direct heating circuit	٠	•	_
Mixing heating circuit	•	•	_
Heat source control			
Flow boilers	•	•	—
Liquid or solid fuel boiler	•	•	—
User functions			
Room heating or cooling	•	•	—
PARTY function - activation of the comfort operation mode	•	•	•
ECO function - low-energy temperature activation	•	•	•
HOLIDAY function - holiday energy-saving mode	•	•	•
Heating system protection			
Room frost protection	•	•	•
Limiting the maximum screed temperature or wall heating	•	•	•
Setup and installation			
Possibility of wall installation	•	•	•
Possibility of installation into a flush-mounted box	•	•	•
Simple installation and connection	•	•	•



Technical specifications	ST1B	ST1N	ST1E
Backlit LCD display	•	•	•
Weekly program timer	•	•	•
Power supply	2 × AAA (1.5 V)	230 V/50 Hz	230 V/50 Hz
Own consumption	0.1 mW	0.2 W	0.2 W
Clock power supply	CR	1025 battery (Li-Mn) 🤇	3 V
Time display	h	ours:minutes (24-hou	r)
Clock accuracy	+/-1 s (24 h) at 20 °C		
Degree of protection	IP30 according to SIST EN 60529		
Safety class according to SIST EN 60730-1	II		
Type of temperature sensors	1	Murata NTC (10 kohm))
Housing material		PC + ABS	
Operating temperature	0÷40 °C		
Storage temperature		-20÷65 °C	
Product weight	220 g	140 g	177 g
No. of pieces in the packaging unit		24 pcs	



Electrical connection

Dimensions







Item	Order code	Description
	1RTD2RB-050 1RTD2RN-050 1RTD2RE-050	Room thermostat SELTRON STIB battery-powered Room thermostat SELTRON STIN for the mains power supply Room thermostat SELTRON STIE for electric floor or wall heating
Accessories		
۲	1TFMU-000	Immersion temperature sensor SELTRON TF/M



152 Seltron d.o.o. | Tržaška cesta 85 A | SI-2000 Maribor | +386 (0)2 671 96 00 | sales@seltron.eu | www.seltron.eu



Temperature sensors

Range of temperature sensors and optional equipment for Seltron controllers.

Outdoor temperature sensor AFD



Introduction

AFD sensor is used for measurement of outdoor temperature in Seltron controllers. It was designed to accurately measure the outdoor temperature with the lowest possible influence of the wall temperature of the building.

Typical application

Measurement of outdoor temperature in private or industrial facilities.
Measurement of indoor temperature where greater resistance to

27

mechanical and other influences is required.

Technical data	Type AFD/Pt	Type AFD/5	Type AFD/M
Sensor type	Pt1000 Class B	KTY10-5	Murata NTC 10 kOhm
Temperature range		-40÷50 °C	
Cross section of cables		2x0,25 mm ² ÷ 2x0,5 mm ²	
Protection level		IP20	
Weight		65 g	
DImensions		89	

Product	Order code	Description	
BEGRON			
	1FODPT-NN0	Outdoor temperature sensor SELTRON AFD/Pt	
	1FOD5-NN0	Outdoor temperature sensor SELTRON AFD/5	
	1FODM-NN0	Outdoor temperature sensor SELTRON AFD/M	



Surface temperature sensor VF/Pt



Introduction

The VF/Pt surface sensor belongs to the optional equipment range for Seltron heating controllers.

Typical application

- VF/Pt surface sensor is compatible with all Seltron heating controllers and is used to measure pipeline temperature.

Technical characteristics	
Sensor element	Pt1000
Operating temperature range	0÷85 °C
Minimum cross-section of the wires	0.3 mm ²
Standard cable length	3 m
Maximum cable length	30 m
Product weight	120 g
Dimensions	

Item	Order code	Description
	1VFPT-000	Surface temperature sensor SELTRON VF/Pt

Immersion temperature sensor TF/Pt



Introduction

The TF/Pt immersion sensor belongs to the optional equipment range for Seltron heating controllers.

Typical application

- The TF/Pt immersion sensor is compatible with all Seltron heating controllers and is used to measure temperature in boilers, domestic hot water storage tanks, solar collectors and elsewhere.
- During the installation, the sensor is placed in the TH1 or TH2 immersion tube.

Technical characteristics	
Sensor element	Pt1000
Operating temperature range	-25÷150 °C
Minimum cross-section of the wires	0.3 mm ²
Standard cable length	3 m
Maximum cable length	30 m
Product weight	100 g
Dimensions	5.9
	00

Item	Order code	Description
Z	1TFPT-000	Immersion temperature sensor SELTRON TF/Pt



Immersion temperature sensor with connector TF/Pt



Introduction

The TF/Pt immersion with connector sensor belongs to the optional equipment range for Seltron heating controllers ACC, AHC, ACD20, AHD20.

Typical application

- The TF/Pt immersion sensor is used to measure temperature in boilers and domestic hot water storage tanks.
- During the installation, the sensor is placed in the TH1 or TH2 immersion tube.

Technical characteristics	
Sensor element	Pt1000
Operating temperature range	-25÷150 °C
Minimum cross-section of the wires	0.3 mm ²
Maximum cable length	30 m
Product weight	100 g
Dimensions	

Item	Order code	Description
	1TFPTC1MP-000	Temperature sensor SELTRON TF/Pt - immersion, with a 3.5 mm connector, 1 m

Universal immersion sensor VF2/Pt



Introduction

The VF2/Pt universal immersion sensor belongs to the optional equipment range for Seltron heating controllers.

Typical application

- The VF2/Pt universal immersion sensor is compatible with all Seltron heating controllers and is used to measure temperature in pipelines, domestic hot water storage tanks, and storage tanks.

Technical characteristics	
Sensor element	Pt1000
Operating temperature range	0÷85 °C
Minimum cross-section of the wires	0.3 mm ²
Maximum cable length	30 m
Threaded connector	GN 1/4 ZN
Standard tube length	90 mm
Product weight	840 g

Dimensions







Room temperature sensor PS10/Pt



Introduction

The PS10/Pt room temperature sensor belongs to the optional equipment range for Seltron heating controllers.

Typical application

- The PS10/Pt room temperature sensor measures the temperature of the room where it is installed.
- It is used wherever we do not want or we do not allow changing the desired temperature on the room unit.

Technical characteristics				
Sensor element	Pt100			
Operating temperature range	0÷40 °C	0÷40 °C		
Minimum cross-section of the wires	0.3 mm ²			
Maximum cable length	30 m			
Product weight	50 g			
Dimensions	73	28		
	R R			

Item	Order code	Description
	2PS10PT-510	Room temperature sensor SELTRON PS10/Pt
SEURON		

Flue gas temperature sensor CF/Pt



Introduction

The CF/Pt temperature sensor belongs to the optional equipment range for Seltron heating controllers.

Typical application

- The CF/Pt temperature sensor is used to measure flue gas temperature in the operating range up to 350 °C.

88

V

Technical characteristics	
Sensor element	Pt1000
Operating temperature range	20÷350 °C
Minimum cross-section of the wires	0.3 mm ²
Maximum cable length	30 m
Product weight	120 g
Dimensions	





162 Seltron d.o.o. | Tržaška cesta 85 A | SI-2000 Maribor | +386 (0)2 671 96 00 | sales@seltron.eu | www.seltron.eu



Communication interface **GWD2**

WiFi communication interface GWD provides remote access to the Seltron heating controllers.

Communication interface GWD2



Introduction

The WiFi communication interface GWD2 serves as the connection between Seltron controllers, room units and thermostats into the common SeltronHome platform.

Together with the SeltronHome platform, it features remote monitoring and device management using a web or mobile application. It provides a bidirectional data transfer via the WiFi network to the

SeltronHome platform.

Typical application

 It can be used in domestic WiFi network or via a mobile WiFi access point since the SeltronHome communication platform uses very little data (up to 60 MB per month for two linked controllers).

Features

- Connection of up to two Seltron controllers.
- Remote GWD (OTA) communication module software updates.
- LED indicating input and output statuses.
- Simple one-touch (WPS) WiFi setup configuration.
- Easy wall installation with two supplied screws and an easy connection to the Seltron controller using a two-wire cable.
- It features remote management, the configuration and servicing of devices anyplace and anytime.



Technical characteristics	GWD2			
LED indicating the input status	2			
LED indicating WiFi network connection status	•			
LED indicating SeltronHome platform connection status	•			
Communication interface reset button and WPS connection button	•			
Wired communication for controller connection	2			
Network protocol	ModBus			
Setup and installation				
Possibility of wall installation	•			
Simple installation and connection	•			
Technical specifications				
Energy consumption	0.5 W			
Data usage during the communication with the platform	~30 MB/controller/month			
Method of installation	On the wall			
Degree of protection	IP20 according to EN 60529			
Safety class according to SIST EN 60730-1	II			
Cross-section of network conductors	0.5÷0.75 mm ²			
Cross-section of communication conductors	0.25÷0.33 mm ²			
Permissible relative humidity	85 % RH at 25 °C			
Housing material	PC - thermoplastic			
Ambient temperature in the vicinity of the device	5÷40 °C			
Storage temperature	-20÷65 °C			
Product weight	240 g			
No. of pieces in the packaging unit	24 pcs			
Dimensions				
Electrical connection	N L 1 2 1 2			

Item	Order code	Description
SELIKON		
(4) (2)	1GWD2-040	Communication module SELTRON GWD2
123456 64402		

166 Seltron d.o.o. | Tržaška cesta 85 A | SI-2000 Maribor | +386 (0)2 671 96 00 | sales@seltron.eu | www.seltron.eu



SeltronHome remote heating management **KELVIN | CLAUSIUS**

SeltronHome represents a missing piece in smart heating management. Smart phones, tablets and computers are your constant companions and with SeltronHome you can manage your heating system wherever and whenever you feel like. This brings you unprecedented freedom, comfort and effectiveness of remote support.

SeltronHome remote heating management







It's high time that your home heating system becomes really smart

Connect Seltron controllers with GWD2 communication module and start managing, monitoring and configuring your heating wherever and whenever you feel like.

SeltronHome helps you live in a comfortably warm home and at the same time reduces your heating bill with the °Clausius app.

The °Kelvin app helps professional heating contractors and installers bring peace of mind and confidence to customers. They can help them with settings, diagnostics and heating system configuration remotely or on-site.

Accompanied by SeltronHome a heating system can work only when needed, can be optimally configured and adapted to the specifics of the building.

Where you can use SeltronHome?

Communication gateway GWD2 uses Wi-Fi networks to connect to the Internet. This means you can use it with a home Wi-Fi network, as well as in buildings without a fixed internet line connected over a mobile Wi-Fi hotspot (sold separately).

GWD2 transfers only up to 100 MB of data per month, so you can use it with virtually all the popular mobile data plans in case you use a mobile Wi-Fi hotspot to connect it to the internet.

What do I need to use SeltronHome?

- A GWD2 communication module.
- A supported Seltron heating controller.
- A Wi-Fi router or mobile Wi-Fi hotspot with an access to the Internet.
- A mobile device with Android or iOS operating system or a device with a modern browser and access to the internet.

Before you buy the GWD2 communication module make sure it supports a chosen Seltron controller. Visit **www.seltronhome.com** to see updated list of supported controllers.

If your controller has a USB port, you can also upgrade it using a Seltron Upgrade app (available for devices with the Android operating system).





Become a service agent with the shortest response time



Modern heating systems service control

A new era of mobile technology makes big steps on the field of the work of installers and servicers of heating devices. Multiple visits to customers' facilities will soon become a thing of the past. They will be replaced by remote control, diagnostics and quick repairs via smartphone or tablet. Modern servicers will provide their customers with quality control and immediate response to potential heating system errors. Every servicer will have their own customers, to whom they will offer services, instead of onetime interventions, throughout the entire heating season.



Up-to-date information on the operation of the heating systems

One click enables access to the information about which of your customers are having problems with their heating system, what the problem is and how urgent their repair is.

Get a detailed overview of your customers' heating systems

The overview of the system provides you with information on measured and calculated temperatures, operation status of control outputs and the chosen hydraulic scheme.

Access more detailed data via the "diagnostics" menu. In the event of necessary corrections, the latter may be performed in the "parameters" menu and the "heating circuits" menu.



Comprehensive diagnostics of operation of the customer's heating system

The diagnostics mode allows you to monitor and analyse the controller's measurements data. The data can be observed in a daily or weekly view or the system operation can be monitored in real time.



The simplified procedure for setting up the heating controller

Controller operation can be configured with a tool for setting up the parameters. We offer a range of useful tools, such as displaying only modified parameters, history of parameter changes or search by parameters.



Quick customer assistance for user setup

The "Heating Circuits" overview enables the option of accessing all active heating circuits in the customer's building. Time programmes, user functions, changes of night and day temperature or schedule changes can be set for each heating circuit. For easier recognition of the heating circuits, we can also name them as desired.



Google Play

How can I become a °KELVIN application user?

- You can open the application on your phone or tablet from https://kelvin.seltronhome.com or download it from App Store or Google Play store (search for 'SeltronHome Kelvin').
- 2. Create a user account.
- 3. You will receive an e-mail to activate the account.
- 4. Wait until we verify and approve your account (only professional installers can use the °Kelvin app).
- 5. Upon the first login into the application, you can test its functions with a preset demo customer.
- 6. Let your customer know they can add you as their heating system maintainer in the °CLAUSIUS application and enable you to access their heating system data. You have to provide them with your e-mail address, which you used to register into the °KELVIN application. Heating system maintainers can help less skilled users by performing the registration and establishing the necessary connections for subsequent access to the customer's heating system. More at: www.seltronhome.com.



Comfortable and economical heating with CLAUSIUS application



What are the advantages of using the CLAUSIUS application?

Contrary to the heat controller or a room unit, our smart phones are always at our reach.

Why not control heating from work, your couch, from your holidays, or a business trip?

You can use the CLAUSIUS application to check the condition of your heating system regardless of where you are located. You can change individual settings or take measures in the event of any errors. You can have full control of your heating system, and its handling will become simple, fun, and quick. Seltron controllers provide efficient and economical functioning of your heating system. By monitoring the functioning and adjusting the heating to your lifestyle, you can additionally improve your comfort and increase your savings.

							en 🖦
							Ð
		2 1 2 3 4 5 6	7 8 9	90 11 12 13	14 15 16 17	10 19 20 21 22	1 23 24
	SU	ж.			23'		
	мо	19*	237	19*		23'	
)	ти	14*	231	10"		23'	141
	we	197	27	W.		22'	197
	тн	197	21'	19*		21'	191
	FR	14*	231	W.		23'	191
	SA	19"			23"		19'

Adapting heating to your lifestyle

The CLAUSIUS application enables us to create heating schedules in the wellknown environment of our mobile device.

A simple procedure is used to change the existing heating schedule and create a new one.

The application allows you to set 2 different timetables for each heated area. If you work shift work, switching between morning and afternoon, you can switch the heating timetable with one click.

Due to the procedure's simplicity and accessibility, we can use it more frequently and adjust heating to our current needs, thus increasing our comfort and reducing our costs.



Manage heating in multiple buildings with multiple heated areas

The CLAUSIUS application allows you to control and manage heating in multiple buildings, such as your house, weekend home, business premises, grandparent's house, etc.

You can name the buildings and the areas within them.

It is also possible to give these areas names depending on where in the building they are located: house basement, house first floor, house garage. Special schedules and heating temperature settings can be set up for each area in a building.

The settings can be modified for each individual area or for an entire building.



Take a trip or go on holiday carefree

You went on holiday, but then you discovered that you forgot to reduce the heating temperature.

Don't worry. Simply turn on the HOLIDAY function on your smart phone with the help of the CLAUSIUS application and enter your return date. The rooms will continue to be heated according to the temperature set for the HOLIDAY function. After this period ends, the heating will reset to the established heating regime and you can return to a pleasantly heated home. If you are only going on a short trip or visit, you can switch on the ECO function and thus reduce the heating temperature only for the duration of your absence (up to 24 hours).



From the gym to your shower at home

Just jump in the shower and then go run some errands. It sounds simple enough, but the domestic hot water is heated following a specific schedule and it's currently not heating.

The solution is simple. Before heading home, use the CLAUSIUS application on your smart phone to switch on the one-time domestic hot water heating function. Before you arrive home, the water will be ready for you to enjoy.

VEXTLA CONSTRUCT Canada Rougy Description Data Structure Import Genergy Inter(LeftYeex) Data Structure Data Structure Import Genergy Inter(LeftYeex) March Tell Data Structure Import Genergy Inter(LeftYeex) Import Genergy Inter(LeftYeex) Import Tell Import Genergy Inter(LeftYeex) Import Genergy Inter(LeftYeex) Data Structure Data Str

Monitoring the data on the functioning of the heating system

For advanced users and for those who are interested in the detailed functioning of the heating system, the CLAUSIUS application displays information on the calculated and measured temperatures for individual sensors.

This way, you can see the temperature of the riser, boiler, boiler sensors, containers, etc.

If you are heating domestic hot water by means of a solar system, the CLAUSIUS application displays data on the acquired thermal energy for the current day as well as the data on how much energy was acquired in the past.

Available as a premium.



Remote after-sale service customer support

Quick notifications concerning the errors with the functioning of the heating system is of key importance, as we cannot afford lengthy interruptions in heating in winter. This is especially important if there are people in our home who are the most sensitive to temperature changes – the elderly and children. The CLAUSIUS application will provide ongoing notifications on possible errors or malfunctions of the heating system.

But there's even more! You can use the application to select your after-sale maintenance and repair provider and grant him permanent or temporary access to your heating system. Your after-sale maintenance and repair provider will also be notified on any errors in your heating system. He will be able to verify the functioning and any errors in functioning with the help of remote access. Based on this information, the after-sale maintenance and service provider will be able to decide whether he can solve the problem with the help of the application or whether a visit will be required to do so. In this case, he will also know which spare parts will be required for repair. Your after-sale maintenance and repair provider will be able to do their job faster and even better.

Available as a premium.



			936 🖬
) M	ly Home +		0
ļ.	KXD20 Scheme 423	: o	
¢	Your system needs attention	n	>
ą	Oil boiler Active		
<u>ılı</u>	Oil consumption Today: 5,8 L + 5,4 €		>
	Oil tank status 2250 L · 90 %		>
Ð	T3 - Oil boiler	55,8*	>
	Anne -	(c) Insights	



	Graphic display of the energy obtained from the solar system.
¢	Notifying on the condition of the fuel and the need to put in more wood logs.
╔	Inspecting the condition of temperature sensors.
x	Simple Wi-Fi configuration.
	Option to select the authorised after-sale service provider.
	Control and the choice of multiple heat sources.
R X	Errors and warnings notifications.



Install the mobile °Clausius app

Scan the QR code or search for 'SeltronHome Clausius' in the App Store or Google Play store.



Open the web °Clausius app

Scan the QR code or open clausius.seltronhome.com in your web browser.

174 Seltron d.o.o. | Tržaška cesta 85 A | SI-2000 Maribor | +386 (0)2 671 96 00 | sales@seltron.eu | www.seltron.eu

 \odot 2021 Seltron d.o.o. All rights reserved.

 ${\sf SeltronHome}^{\ast}$ is a registered trademark of the Seltron d.o.o company.

We reserve the right to modifications due to possible printing errors.

We reserve the right to modify presented products and technical data without prior notice.

Any use, modification or reproduction of the text, photographs or illustrations in this publication without a written permission by Seltron d.o.o. is prohibited.



Seltron d.o.o. Tržaška cesta 85 A SI-2000 Maribor Slovenia

T: +386 (0)2 671 96 00 F: +386 (0)2 671 96 66 sales@seltron.eu www.seltron.eu Your merchant: