



Seltron Controllers



Energy under control

Company profile



Jože Hertiš, univ. dipl. ing
Main owner
Technical manager

Dear business partner,

We kindly invite you to view our new product catalogue for year 2013.

Seltron is a private owned company, which was founded in year 1990, but the actual roots are arising from the workshop which was operating since 1982. From the very beginning the activity based on own development and manufacturing of industrial electronics and regulation technics. In Slovenia and wider region we have been pioneers in development and serial production of controllers for solar system.

In early nineties we began with development of digital weather compensated heating controllers. At that time those products have set new standards on the field of energy saving in individual houses.

In following years we have spread the production to whole range of controllers for central heating. At the moment we are producing third generation of sophisticated, microprocessor controlled controllers for solar systems and weather compensated heating controllers.

In 1996 company Seltron started also with sales activities on foreign markets. Soon after these step we achieved good results, especially on German market, who is even now the most important market for company Slovenia.

At these moment company Seltron is present in 22 European countries and also in some other countries round the world, such as Chile and Lebanon.

In year 2011 we made a second important step in our development, when we moved to new location in Maribor. In this year we finished with renovation of new building with area of more than 5000 sqm of modern production, storage and sales facilities. We are very proud on these improvements, because now we can offer our clients higher level of cooperation with better service and products.

Over the next two years we will gradually modernize and expand our production program with the fourth generation of heating controllers. Key advantages of the fourth generation are an even greater flexibility and ease of use as well as access through Web applications.

All management and monitoring will be possible from anywhere, using a smart phone or tablet.

If you will not be able to find a solution for your demand in our catalogue, please do not hesitate and contact us. We are very flexible and we are able to offer special solutions based on your special demand in terms of OEM cooperation.



Range of products



Solar controllers PROMATIC® SGC

Solar controllers PROMATIC® SGC are intended for control of solar systems and combinations with other energy sources. SGC controllers allow selection between up to 63 preset hydraulic schemes. Setting up and management of the controller is extremely easy due to the Seltron simplicity solutions. Unique solutions, like the startup wizard, 14-language support, programming of free relays, interactive help and the operation simulation are built in.

Page 9



Heating controller PROMATIC® CMP25-2

PROMATIC® CMP25-2 is a modern weather compensated heating controller with touch screen. The controller is designed in a compact way with a built-in actuator to control the mixing heating circuit. It can operate as an independent controller or as an extension for additional heating circuits.

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Heating controllers PROMATIC® WDC

PROMATIC® WDC are modern weather compensated heating controllers. They are designed for room heating with one or two mixing heating circuits, domestic hot water warming with boiler and solar system and for control of maximal two heat sources. WDC controllers can be linked together via BUS connection and also boast with simple operation using Seltron simplicity solutions.

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Constant temperature controllers PROMATIC® SCC

Controllers PROMATIC® SCC are intended for constant boiler return-pipe temperature control and storage tank loading. SCC controllers are applicable for all kind of solid fuel boiler systems as well as for pellet boilers systems. Function of layered storage tank loading enables quick energy gain at boiler startup and consequentially quick startup of heating system.

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Software SELCONTROL

Selcontrol is a PC software used for setting up the heating or solar system. You can measure temperatures, adapt time programs, optimize the system and much more. It's an effective tool, simple to use.

Page 75



Room units and temperature sensors

DD2+ room unit is designed for user settings for the weather compensated heating controllers. Temperature sensors are available in various configurations depending on intended use and location of installation.

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NEW



Heating controllers PROMATIC® WXD

PROMATIC® WXD are modern weather compensated heating controllers. Their design with sizes of 144 x 96 x 48 mm makes them universal to use in new heating installations as well as replacement controller for existing systems. They are designed to control two mixing heating circuits, domestic hot water warming with boiler and/or solar system and for control of max. two heat sources.

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NEW



Boiler controllers PROMATIC® KXD

Boiler controllers PROMATIC® KXD are modern and powerful controllers for control the boiler, domestic hot water warming, heat sources and solar systems. They are designed to control the working temperature and the protection of oil or gas boilers and offer a complete solution for the heating systems.

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NEW



Constant temperature controllers PROMATIC® ACC

Constant temperature controller PROMATIC® ACC are intended for constant temperature control. They have a built in actuator to control the mixing valve or the mixing valve and pump. Setup of controller is done with touch sensitive keypad on the cover of the controller.

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Room thermostats T1, ST2R and ST2RDR

Room thermostats are used to control the temperature in apartment buildings, smaller houses and business buildings or for zone control in large buildings.

Page 81



Actuators PROMIX®

Actuators PROMIX® AVC are intended to control mixing and ball valves. A wide range of actuators are available depending on the rated torque, operation mode, running time and power supply. All actuators are equipped with a clutch and LED signalization of operation.

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Symbol legend

HEAT SOURCE



Oil boiler



Gas boiler



Boiler with pellet burner



Solid fuel boiler



Combined boiler for liquid and solid fuel



Heat pump



Additional electric heating



Solar collectors

REGULATED ELEMENTS



Direct heating circuit



Mixing heating circuit



Switching between direct heating circuit and domestic hot water



Switching between two heat sources



Control of constant stand- or return- pipe temperature



2-phase storage tank loading



Heat accumulator



Domestic hot water warming



Domestic hot water circulation



Radiators



Floor heating

SELTRON SIMPLICITY



Setup Wizard



System simulation



Interactive Help



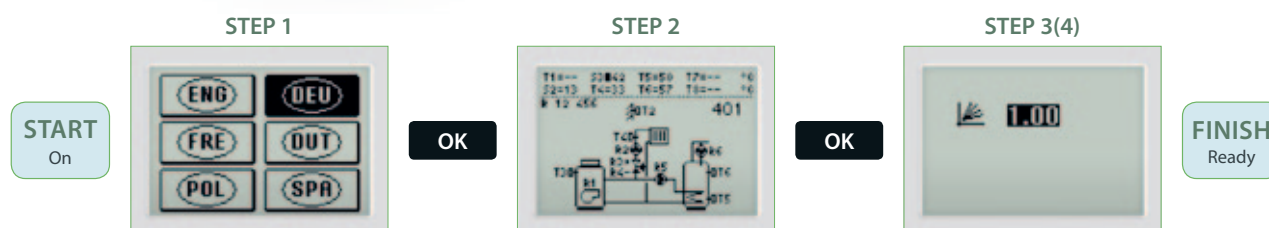
PC Interface

Seltron Simplicity Solutions



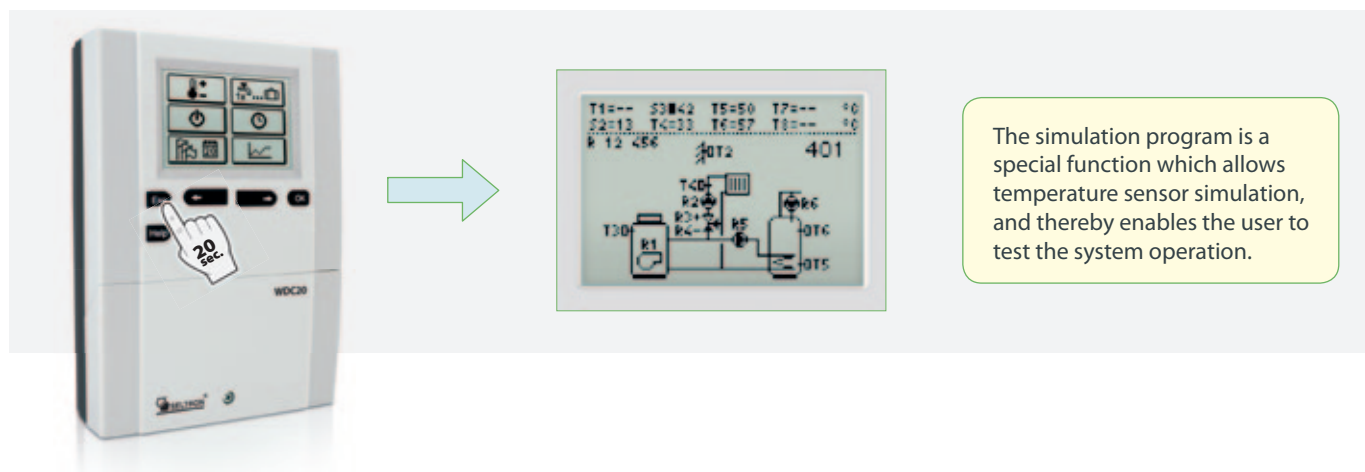
1. SETUP WIZARD

The controller leads you in 3- or 4-steps through the first commissioning, all other parameters are pre-set.



2. SYSTEM SIMULATION

Do you want to test your heating systems operation? Start the integrated simulation program.



Seltron Simplicity Solutions



3. INTERACTIVE HELP

A fast and easy access to short manuals, messages, warnings, and the description of the controller.



4. PC INTERFACE



PDF



Solar controllers PROMATIC® SGC



Solar controllers are now available in an even more comprehensive and powerful form.

PROMATIC® SGC solar controllers control speed of solar circulation pump and keep constant temperature difference between solar panels and d. h. w. storage tank. This way can be achieved the maximum efficiency of solar system. SGC solar controllers are performing also a variety of other control and logic functions to ensure the effective operation of many hydraulic systems with solar panels and other energy sources.

Integrated Seltron simplicity solutions add a unique and easy note to the controller at start up and use.

Solar controller PROMATIC® SGC14



PROMATIC® SGC14 is a modern and powerful controller designed for basic solar systems. Effectiveness and universality of SGC14 controller is achieved by means of built-in RPM control for the solar circulating pump and selection of five different preset hydraulic schemes.

The 14-language support, simulation of the temperature sensors, graphical presentation of measured temperatures and gained energy, offers user even a greater comfort and oversight of the solar system. Large illuminated graphical display allows a clear demonstration of the system operation and all other data.

ORDERING CODES



Solar controller PROMATIC® SGC14
Code: **2SGC1400-010**



Solar controller PROMATIC® SGC14
incl. 3x TF/Pt sensor
Code: **2SGC1430-010**

SELTRON SIMPLICITY SOLUTIONS

- 2 step setup wizard
- System simulation
- User Interactive Help
- PC interface

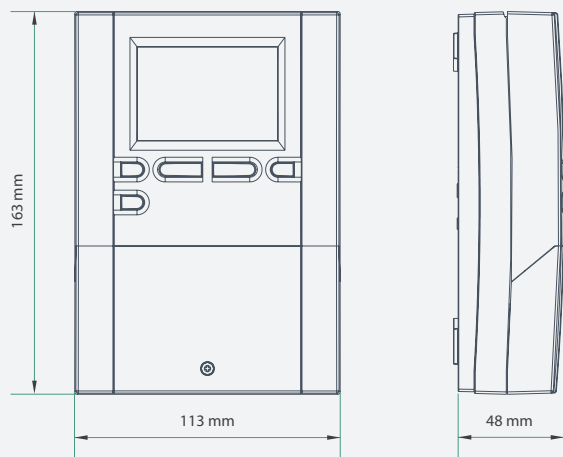
- 14-language support
- Error and malfunction notifications
- Gained Energy measurement
- Animated Pump operation
- Overheating and frost protection
- Illuminated graphical display

FEATURES

Number of mechanical relays	0
Number of electronic relays	1
Number of temperature sensors	4
Number of hydraulic schemes	5
Number of collector fields	1
Number of storage tanks	1
Illuminated LCD display	✓
Heat metering (kWh)	✓
Heat metering with flow sensor impulse type (l/min)	✓
Heat metering with VFS	option
Heat metering with RPS	option
Pump speed control (RPM)	✓
Antilegionella protection*	✓
Frost protection	✓
Protection of solar system	✓
Collector's safety shutdown	✓
Storage tank protection	✓
Pump- kick function	✓
Recooling function	✓
Graphic overview of temperatures and acquired energy	✓
Error and high temperature warning	✓
Simulation of system operation	✓
Operation time counter	✓
Holiday mode	✓
Program timer	✓
Possibility of free programming	x
Logging of settings changes	✓
Possibility of connection with PC	✓

*Available only by schemes with electric heater.

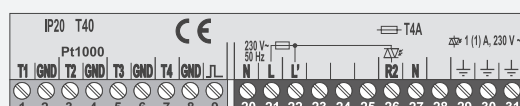
DIMENSIONS



TECHNICAL DATA

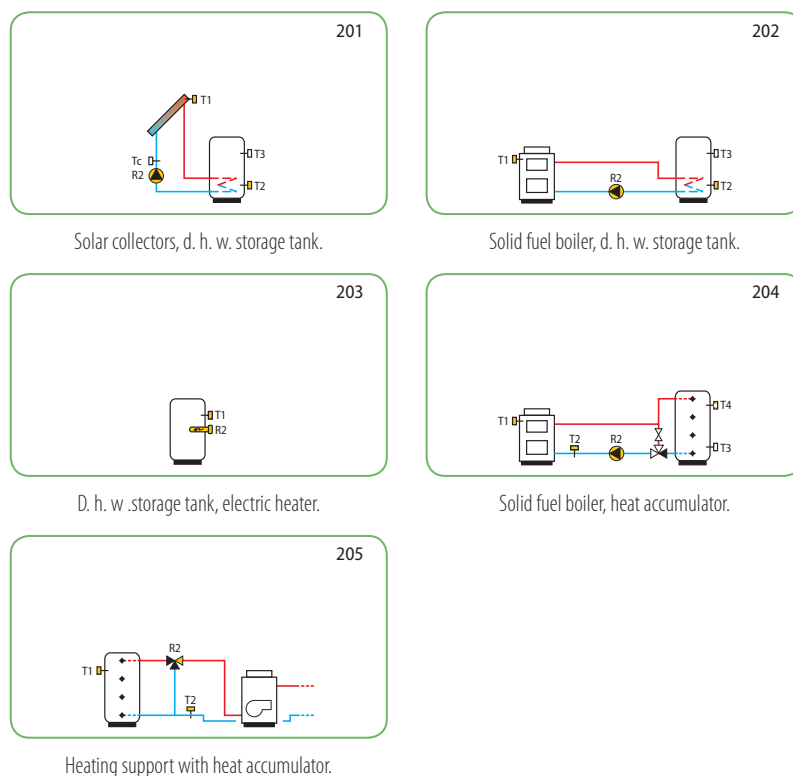
Power supply	230 V ~, 50 Hz
Consumption	< 4 VA
Consumption in standby	max. 0,5 W
Inputs	4 x temperature (Pt 1000) 1 x pulse input
Outputs	1 x triac for speed control (R2)
Clock backup	Battery CR2032 (Li - Mn) 3 V
Clock accuracy	+/- 1 s (24 h) by 20 °C
Degree of protection	IP20 / EN60529
Safety Class	I according to EN 60730-1
Operation Type	1B acc. to EN 60730-1
Controller housing	ASA - thermoplastics
Dimensions (w x l x h)	113 x 163 x 48 mm
Ambient temperature	0 ÷ 40 °C
Storage temperature	-20 °C ... +65 °C
Weight	425 g
Package unit	12 pcs

ELECTRICAL WIRING

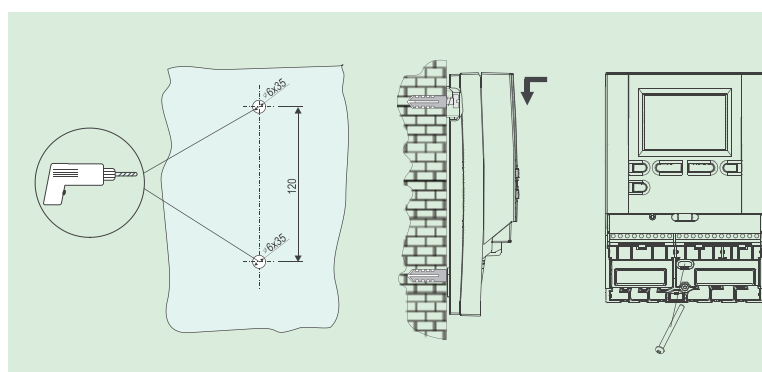


Connector layout for wiring installation.

HYDRAULIC SCHEMES



CONTROLLER MOUNTING



The solar controller PROMATIC® SGC is mounted on the wall in boiler room.

TEMPERATURE SENSORS



Surface sensor VF/Pt
Code: 1VFPT-000

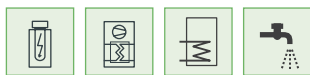


Immersion sensor TF/Pt
Code: 1TFPT-000



Flowmeter SVC25
Code: 1SVC25+NN0

Solar controller PROMATIC® SGC26



PROMATIC® SGC26 is a modern and powerful controller designed for demanding hydraulic systems. Effectiveness and universality of SGC26 controller is achieved with a built-in RPM control of the solar circulation pump and the possibility to select between twenty-two different preset hydraulic schemes. For hydraulic schemes with two storage tanks, different loading strategies are available for optimal usage of the solar energy. The unused output can be freely programmed.

The 14-language support, simulation of the temperature sensors, graphical presentation of measured temperatures and gained energy, offers user even a greater comfort and oversight of the solar system. Large illuminated graphical display allows a clear demonstration of the system operation and all other data.

ORDERING CODES



Solar controller PROMATIC® SGC26
Code: **2SGC2600-010**



Solar controller PROMATIC® SGC26
incl. 4x TF/Pt sensor
Code: **2SGC2640-010**

SELTRON SIMPLICITY SOLUTIONS

- 2 step setup wizard
- System simulation
- User Interactive Help
- PC interface

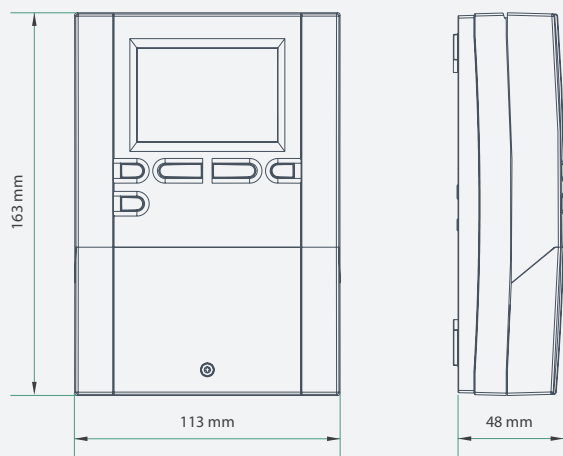
- 14-language support
- Error and malfunction notifications
- Gained Energy measurement
- Animated Pump operation
- Overheating and frost protection
- Illuminated graphical display
- One free programming output

FEATURES

Number of mechanical relays	1
Number of electronic relays	1
Number of temperature sensors	6
Number of hydraulic schemes	22
Number of collector fields	2
Number of storage tanks	2
Illuminated LCD display	✓
Heat metering (kWh)	✓
Heat metering with flow sensor impulse type (l/min)	✓
Heat metering with VFS	option
Heat metering with RPS	option
Pump speed control (RPM)	✓
Antilegionella protection*	✓
Frost protection	✓
Protection of solar system	✓
Collector's safety shutdown	✓
Storage tank protection	✓
Pump- kick function	✓
Recooling function	✓
Graphic overview of temperatures and acquired energy	✓
Error and high temperature warning	✓
Simulation of system operation	✓
Operation time counter	✓
Holiday mode	✓
Program timer	✓
Possibility of free programming	1 output
Logging of settings changes	✓
Possibility of connection with PC	✓

*Available only by schemes with oil boiler, electric heater or heat pump.

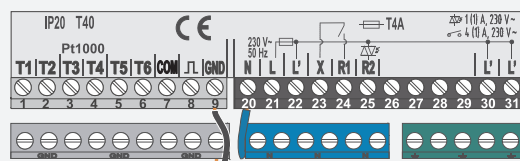
DIMENSIONS



TECHNICAL DATA

Power supply	230 V ~, 50 Hz
Consumption	< 4 VA
Consumption in standby	max. 0,5 W
Inputs	6 x temperature (Pt 1000) 1 x pulse input
Additional input	1 x Grundfos Direct Sensors TM (temperature / flow rate) - optional
Outputs	1 x triac for speed control (R2) 1 x relay (R1)
Clock backup	Battery CR2032 (Li - Mn) 3 V
Clock accuracy	+/- 1 s (24 h) by 20 °C
Degree of protection	IP20 / EN60529
Safety Class	I according to EN 60730-1
Operation Type	1B acc. to EN 60730-1
Controller housing	ASA - thermoplastics
Dimensions (w x l x h)	113 x 163 x 48 mm
Ambient temperature	0 ÷ 40 °C
Storage temperature	-20 °C ... +65 °C
Weight	425 g
Package unit	12 pcs

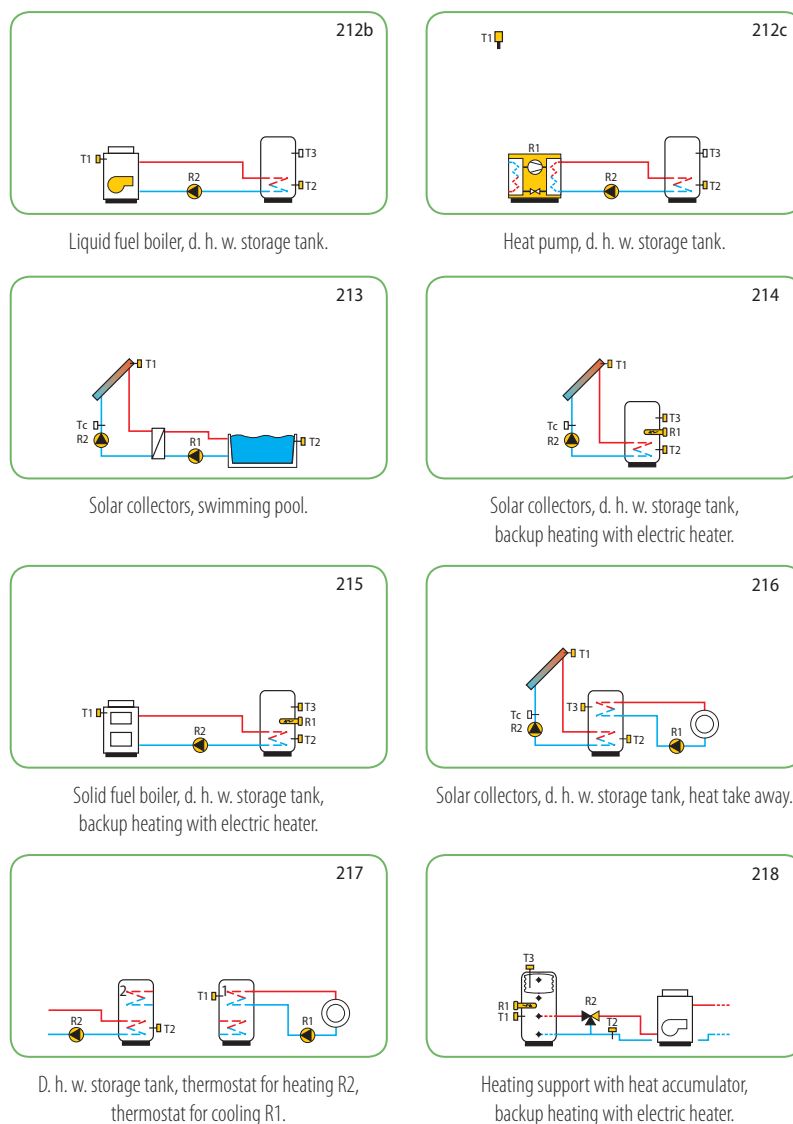
ELECTRICAL WIRING



Connector layout for wiring installation.

HYDRAULIC SCHEMES

The controller also includes the hydraulic schemes from lower model SGC14.



TEMPERATURE SENSORS



Surface sensor VF/Pt
Code: 1VFPT-000



Immersion sensor TF/Pt
Code: 1TFPT-000

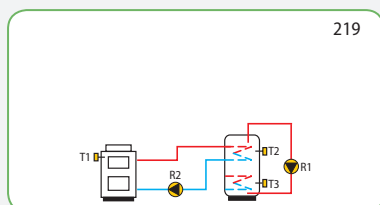


Flowmeter SVC25
Code: 1SVC25+NN0

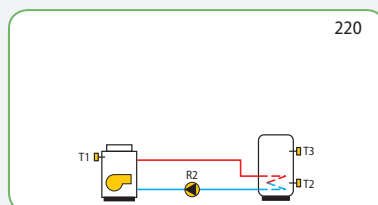
Solar controller PROMATIC® SGC26

HYDRAULIC SCHEMES

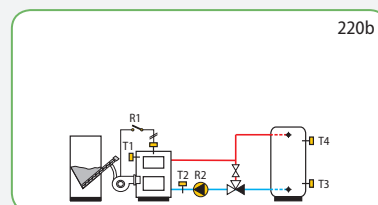
The controller also includes the hydraulic schemes from lower model SGC14.



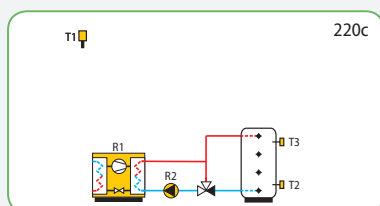
Solid fuel boiler, d. h. w. storage tank.



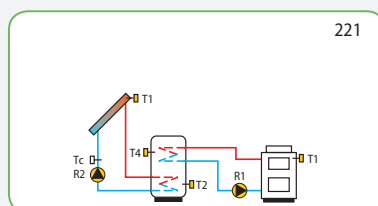
Liquid fuel boiler, d. h. w. storage tank.



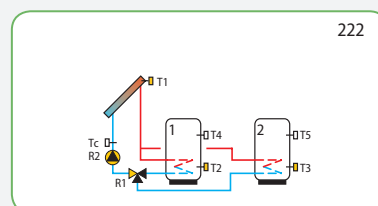
Pellets boiler, heat accumulator.



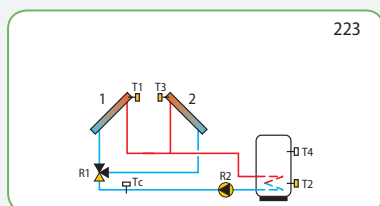
Heat pump, heat accumulator.



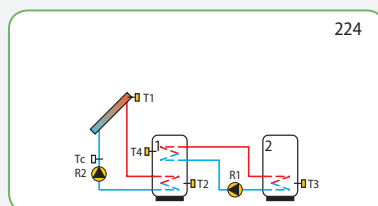
Solar collectors, d. h. w. storage tank, solid fuel boiler.



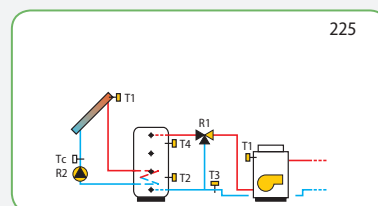
Solar collectors, two d. h. w. storage tanks - switchover.



Solar collectors east / west orientation - switchover, d. h. w. storage tank.



Solar collectors, two d. h. w. storage tanks, heat transfer to storage tank 2.



Solar collectors, heating support with heat accumulator.

Solar controller PROMATIC® SGC36



PROMATIC® SGC36 is a modern and powerful controller designed for the most demanding solar and combined heating systems. There is a range of fifty different preset hydraulic solutions to choose from. These include hydraulic schemes with up to three storage tanks and to two collector fields as well as hydraulic schemes with heating support with a heat pump, electric heater and a liquid or solid fuel boiler. The free relay output function can be freely programmed.

The 14-language support, simulation of the temperature sensors, graphical presentation of measured temperatures and gained energy, offer users even a greater comfort and oversight of the solar system. Large illuminated graphical display allows a clear demonstration of the system operation and all other data.

ORDERING CODES



Solar controller PROMATIC® SGC36
Code: **2SGC3600-010**



Solar controller PROMATIC® SGC36
ncl. 4x TF/Pt sensor
Code: **2SGC3640-030**

SELTRON SIMPLICITY SOLUTIONS

- 2 step setup wizard
- System simulation
- User Interactive Help
- PC interface

- 14-language support
- Error and malfunction notifications
- Gained Energy measurement
- Animated Pump operation
- Overheating and frost protection
- Illuminated graphical display
- Up to two free programming outputs

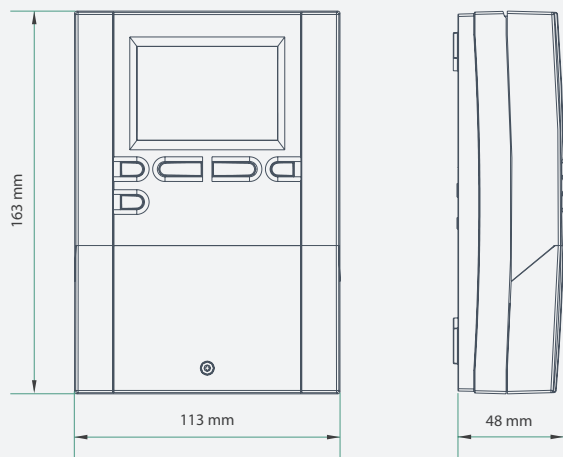
FEATURES

Number of mechanical relays	2
Number of electronic relays	1
Number of temperature sensors	6
Number of hydraulic schemes	53
Number of collector fields	2
Number of storage tanks	3
Illuminated LCD display	✓
Heat metering (kWh)	✓
Heat metering with flow sensor impulse type (l/min)	✓
Heat metering with VFS	option
Heat metering with RPS	option
Pump speed control (RPM)	✓
Antilegionella protection*	✓
Frost protection	✓
Protection of solar system	✓
Collector's safety shutdown	✓
Storage tank protection	✓
Pump- kick function	✓
Recooling function	✓
Graphic overview of temperatures and acquired energy	✓
Error and high temperature warning	✓
Simulation of system operation	✓
Operation time counter	✓
Holiday mode	✓
Program timer	✓
Possibility of free programming	up to 2 outputs
Logging of settings changes	✓
Possibility of connection with PC	✓

*Available only by schemes with oil boiler, electric heater or heat pump.

Solar controller PROMATIC® SGC36

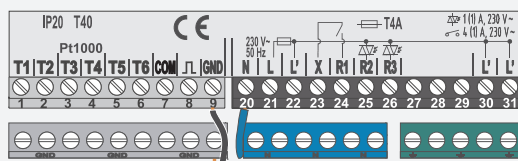
DIMENSIONS



TECHNICAL DATA

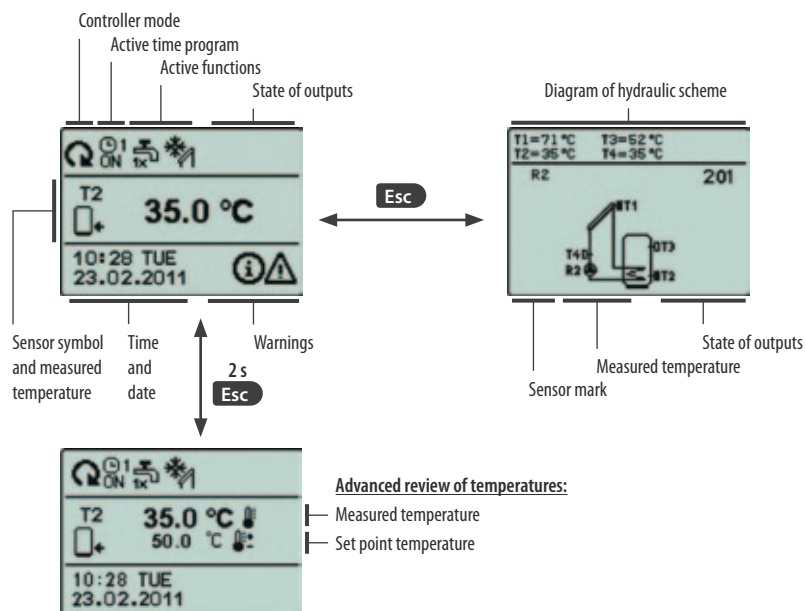
Power supply	230 V ~, 50 Hz
Consumption	< 4 VA
Consumption in standby	max. 0,5 W
Inputs	6 x temperature (Pt 1000) 1 x pulse input
Additional input	1 x Grundfos Direct Sensors TM (temperature / flow rate) - optional
Outputs	2 x triac for speed control (R2, R3) 1 x relay (R1)
Clock backup	Battery CR2032 (Li - Mn) 3 V
Clock accuracy	+/- 1 s (24 h) by 20 °C
Degree of protection	IP20 / EN60529
Safety Class	I according to EN 60730-1
Operation Type	1B acc. to EN 60730-1
Controller housing	ASA - thermoplastics
Dimensions (w x l x h)	113 x 163 x 48 mm
Ambient temperature	0 ÷ 40 °C
Storage temperature	-20 °C ... +65 °C
Weight	425 g
Package unit	12 pcs

ELECTRICAL WIRING



Connector layout for wiring installation.

DESCRIPTION AND DESIGN OF THE MAIN DISPLAY



For temperature and other data review we use buttons and .

Number of sensors and other data seen on the display depends on the selected hydraulic scheme and controller settings.

Which data are shown on the basic display depends on the selected scheme. If we want to change the displayed information, press button or to select the required data and confirm it by holding button for 2 seconds.

OVERVIEW OF ACQUIRED ENERGY:



TEMPERATURE SENSORS



Surface sensor VF/Pt
Code: 1VFPT-000



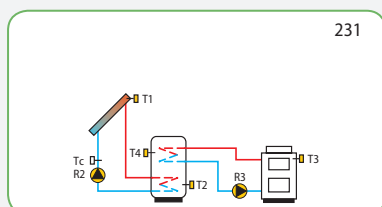
Immersion sensor TF/Pt
Code: 1TFPT-000



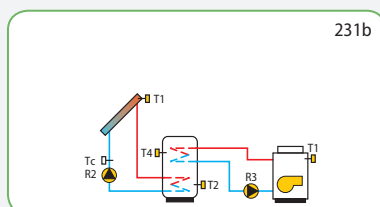
Flowmeter SVC25
Code: 1SVC25+NN0

HYDRAULIC SCHEMES

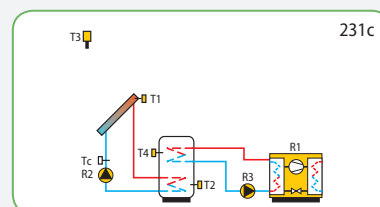
The controller also includes the hydraulic schemes from lower models SGC14 and SGC26.



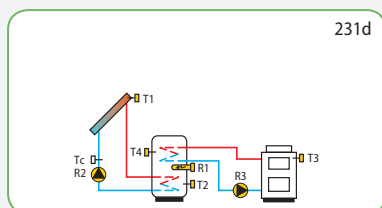
Solar collectors, d. h. w. storage tank, solid fuel boiler.



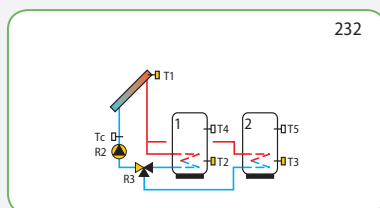
Solar collectors, d. h. w. storage tank, liquid fuel boiler.



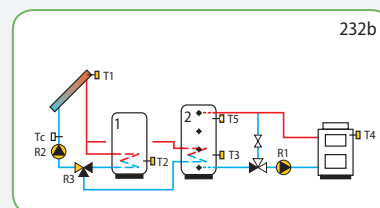
Solar collectors, d. h. w. storage tank, heat pump.



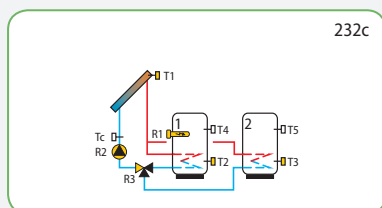
Solar collectors, d. h. w. storage tank - backup heating with electric heater, solid fuel boiler.



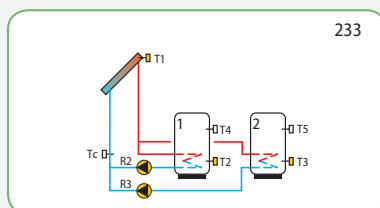
Solar collectors, two d. h. w. storage tanks - switchover.



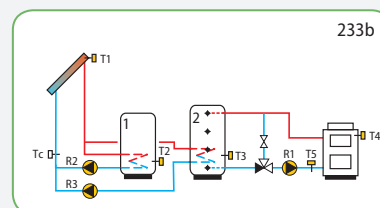
Solar collectors, d. h. w. storage tank / heat accumulator - switchover, solid fuel boiler.



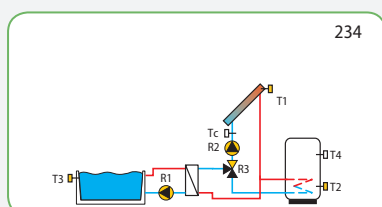
Solar collectors, two d. h. w. storage tanks - switchover, heat accumulator.



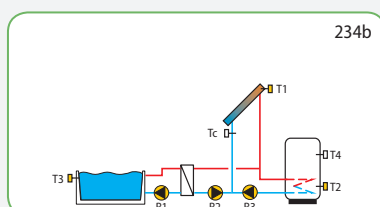
Solar collectors, two d. h. w. storage tanks - two pumps, heat accumulator.



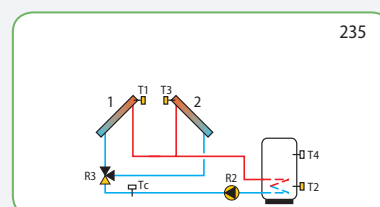
Solar collectors, d. h. w. storage tank / heat accumulator - switchover, solid fuel boiler.



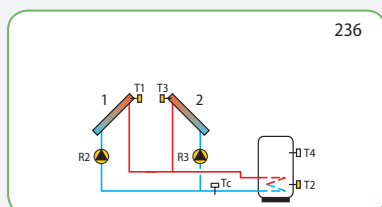
Solar collectors, d. h. w. storage tank / swimming pool - switchover.



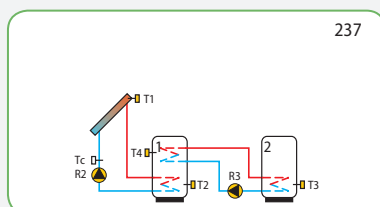
Solar collectors, d. h. w. storage tank / swimming pool - two pumps.



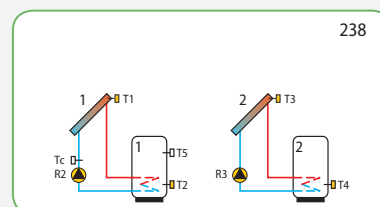
Solar collectors east / west orientation - switchover, d. h. w. storage tank.



Solar collectors east / west orientation - two pumps, d. h. w. storage tank.



Solar collectors, two d. h. w. storage tanks - heat transfer into the d. h. w. storage tank 2.



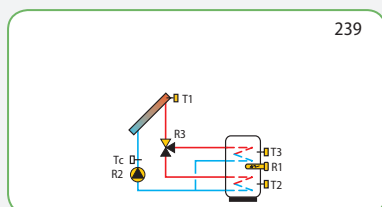
Solar collectors, d. h. w. storage tank. Two separate circuits.



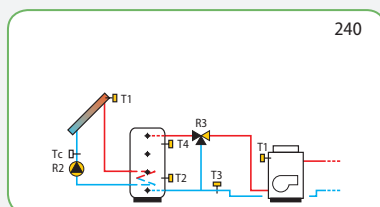
Solar controller PROMATIC® SGC36

HYDRAULIC SCHEMES

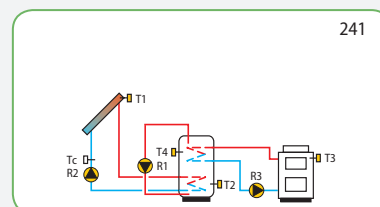
The controller also includes the hydraulic schemes from lower models SGC14 and SGC26.



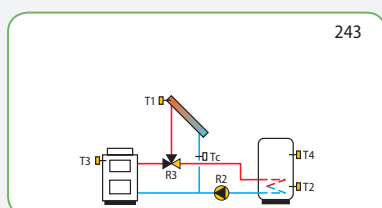
Solar collectors, d. h. w. storage tank, switchover top/bottom, backup heating with electric heater.



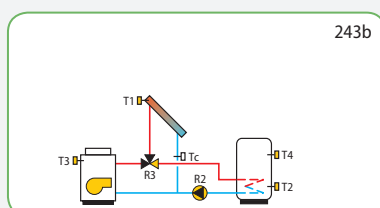
Solar collectors, heating support with heat accumulator.



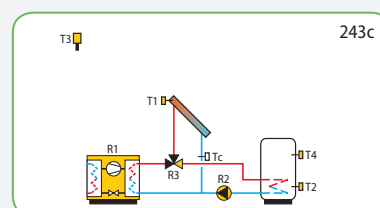
Solar collectors, d. h. w. storage tank, solid fuel boiler.



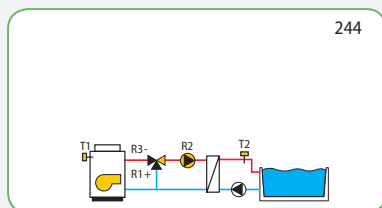
Solid fuel boiler / solar collectors - switchover, d. h. w. storage tank.



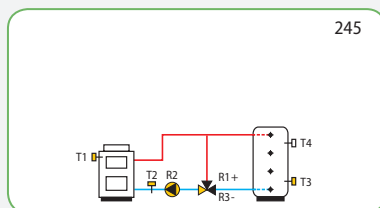
Liquid fuel boiler / solar collectors - switchover, d. h. w. storage tank.



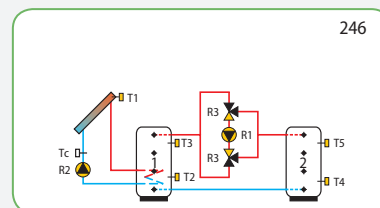
Heat pump / solar collectors - switchover, d. h. w. storage tank.



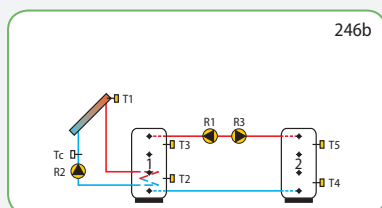
Control of the swimming pool warming.



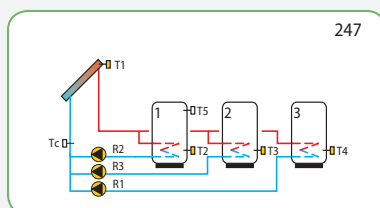
Solid fuel boiler, return pipe temperature control.



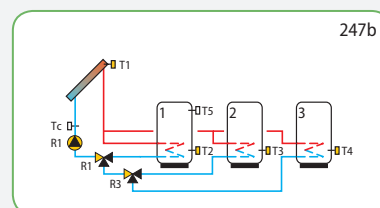
Solar collectors, reversible transfer of heat between the main and auxiliary heat accumulator - switchover.



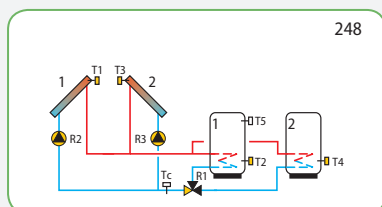
Solar collectors, reversible transfer of heat between the main and auxiliary heat accumulator - two pumps.



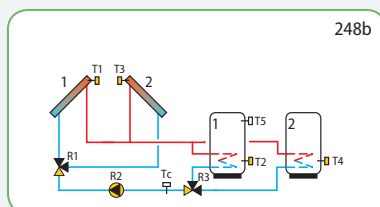
Solar collectors, three d. h. w. storage tanks - three pumps.



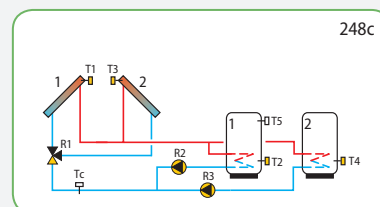
Solar collectors, three d. h. w. storage tanks - switchover.



Solar collectors east / west orientation - two pumps, two d. h. w. storage tanks - switchover.

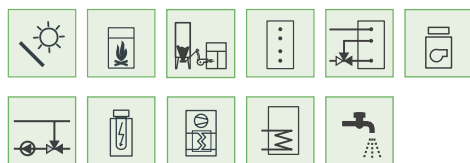


Solar collectors east / west orientation - switchover, two d. h. w. storage tanks - switchover.



Solar collectors east / west orientation - switchover, two d. h. w. storage tanks - two pumps.

Solar controller PROMATIC® SGC67



PROMATIC® SGC67 is a modern and powerful controller for solar and combined heating systems. The SGC67 has a large selection of built-in hydraulic schemes. It has a large illuminated graphic LCD display. Simple handling of the controller is based on user interface with graphical icons. By the first start of the controller a setup wizard is activated, which guides you through the initial setup in steps.

ORDERING CODES



Solar controller PROMATIC® SGC67
Code: **2SGC6700-010**



Solar controller PROMATIC® SGC67
incl. 5x TF/Pt sensor
Code: **2SGC6750-030**

SELTRON SIMPLICITY SOLUTIONS

- 2 step setup wizard
 - System simulation
 - User Interactive Help
 - PC interface
- 14-language support
 - Error and malfunction notifications
 - Gained Energy measurement
 - Programable outputs as: thermostat, differential thermostat, timer, activation of auxiliary heat sources or combination of all mentioned
 - Available 63 hydraulic schemes

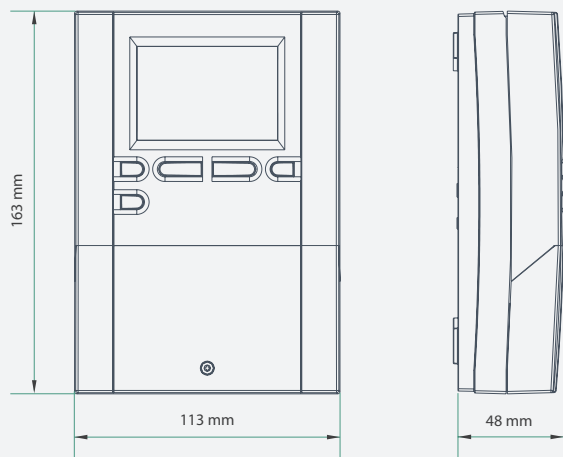
FEATURES

Number of mechanical relays	4
Number of electronic relays	2
Number of temperature sensors	7
Number of hydraulic schemes	63
Number of collector fields	2
Number of storage tanks	3
Illuminated LCD display	✓
Heat metering (kWh)	✓
Heat metering with flow sensor impulse type (l/min)	✓
Heat metering with VFS	option
Heat metering with RPS	option
Pump speed control (RPM)	✓
Antilegionella protection*	✓
Frost protection	✓
Protection of solar system	✓
Collector's safety shutdown	✓
Storage tank protection	✓
Pump- kick function	✓
Recooling function	✓
Graphic overview of temperatures and acquired energy	✓
Error and high temperature warning	✓
Simulation of system operation	✓
Operation time counter	✓
Holiday mode	✓
Program timer	✓
Possibility of free programming	up to 3 outputs
Logging of settings changes	✓
Possibility of connection with PC	✓

*Available only by schemes with oil boiler, electric heater or heat pump.

Solar controller PROMATIC® SGC67

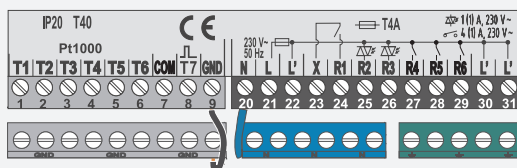
DIMENSIONS



TECHNICAL DATA

Power supply	230 V ~, 50 Hz
Consumption	< 4 VA
Consumption in standby	max. 0,5 W
Inputs	6 x temperature (Pt 1000) 1 x pulse input
Additional input	1 x Grundfos Direct Sensors TM (temperature / flow rate) - optional
Outputs	2 x triac for speed control (R2, R3) 1 x relay (R1)
Clock backup	Battery CR2032 (Li - Mn) 3 V
Clock accuracy	+/- 1 s (24 h) by 20 °C
Degree of protection	IP20 / EN60529
Safety Class	I according to EN 60730-1
Operation Type	1B acc. to EN 60730-1
Controller housing	ASA - thermoplastics
Dimensions (w x l x h)	113 x 163 x 48 mm
Ambient temperature	0 ÷ 40 °C
Storage temperature	-20 °C ... +65 °C
Weight	425 g
Package unit	12 pcs

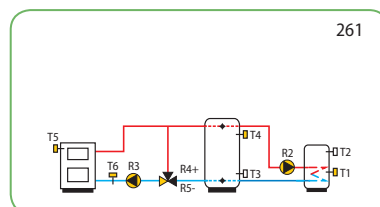
ELECTRICAL WIRING



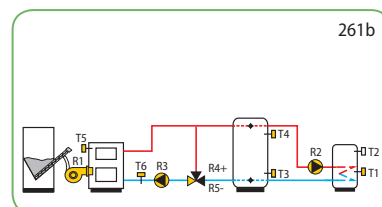
Connector layout for wiring installation.

HYDRAULIC SCHEMES

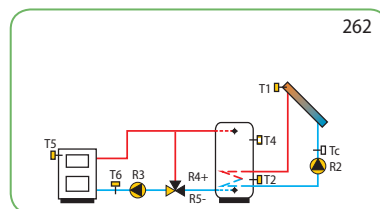
The controller also includes the hydraulic schemes from lower models SGC14, SGC26 and SGC36.



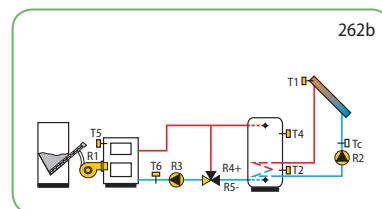
Solid fuel boiler, heat accumulator, d. h. w. storage tank.



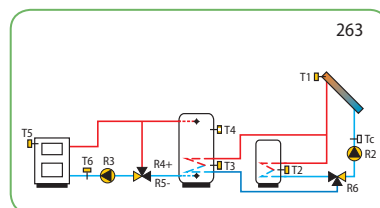
Pellets boiler, heat accumulator, d. h. w. storage tank.



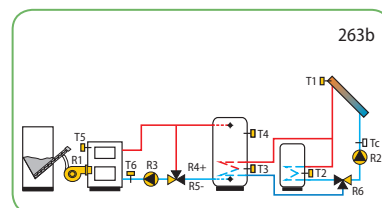
Solid fuel boiler, heat accumulator, solar collectors.



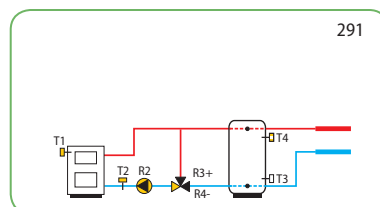
Pellets boiler, heat accumulator, solar collectors.



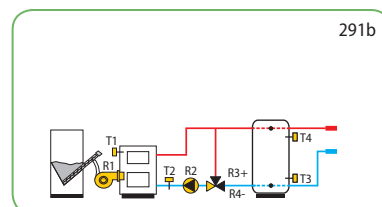
Solid fuel boiler, heat accumulator / d. h. w. storage tank - switchover, solar collectors.



Pellet boiler, heat accumulator / d. h. w. storage tank - switchover, solar collectors.



Solid fuel boiler, heat accumulator, d. h. w. return-pipe regulation.



Pellet boiler, heat accumulator, d. h. w. return-pipe regulation.

TEMPERATURE SENSORS



Surface sensor VF/Pt
Code: 1VFPT-000



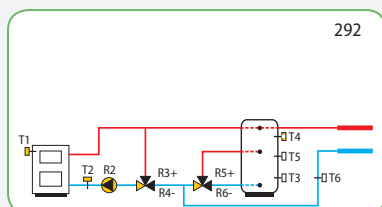
Immersion sensor TF/Pt
Code: 1TFPT-000



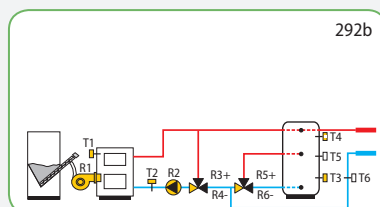
Flowmeter SVC25
Code: 1SVC25+NN0

HYDRAULIC SCHEMES

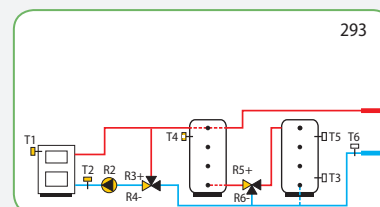
The controller also includes the hydraulic schemes from lower models SGC14, SGC26 and SGC36.



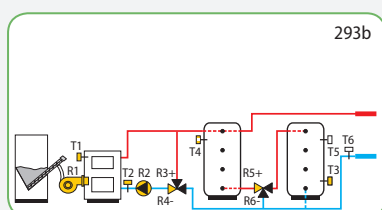
Solid fuel boiler, constant temperature return-pipe regulation, heat accumulator - layered filling.



Pellet boiler, constant temperature return-pipe regulation, heat accumulator - layered filling.



Solid fuel boiler, constant temperature return-pipe regulation, two heat accumulators - layered filling.



Pellet boiler, constant temperature return-pipe regulation, two heat accumulators - layered filling.

PDF



Heating controller PROMATIC® CMP25-2



PROMATIC® CMP25-2 is weather compensated heating controller with a built in actuator.

It is designed for a single mixing heating circuit control or for system expand via BUS connection.

With Seltron simplicity solutions, setup and settings can be easily managed by using the touch-screen interface and following the instructions in the language of your choice.

With »Plug & Play« installation, mounting directly to the mixing valve is simple and quick.



Compact heating controller PROMATIC® CMP25-2



PROMATIC® CMP25-2 is a modern weather compensated heating controller with a built-in actuator. It is the first compact controller with touch screen. It has an innovative and unique concept, modern design and a user friendly interface.

The controller has a new way of selecting the hydraulic schemes and its state of the art construction allows easy »Plug & Play« installation. Settings can be easily changed by using the touch-screen interface, and following the menu in the language of your choice. Main advantages of the CMP25 are efficient energy saving, possibility of a heating system expand, error diagnostics and automatic switchover to the alternative heating mode.

SELTRON SIMPLICITY SOLUTIONS

- 5 step setup wizard
- User Interactive Help
- PC interface

- 14-language support
- Mixing heating circuit control
- Touch screen display
- Party, Eco, Holiday functions
- Plug & Play installation

FEATURES

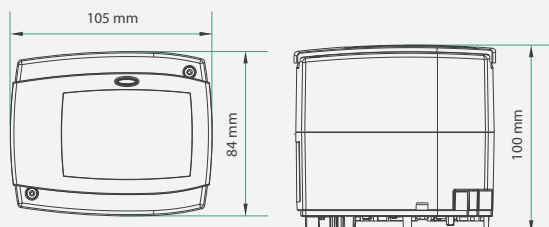
Number of mechanical relays	1
Number of electronic relays	2
Number of temperature sensors	4
Weather compensated control of the heating system	✓
Control of the mixing heating circuit	✓
Weekly program timer	✓
Maximal stand-pipe temperature limitation for floor heating	✓
Automatic switchover winter / summer	✓
Frost protection	✓
Anti-blocking program for circulation pump and valve	✓
Optional BUS connection with other controllers	✓
Error diagnostics and automatic switchover to the alternative operating mode	✓
Navigation by means of graphic icons	✓
Operation with or without room temperature sensor	✓
Possibility of connection with PC	✓

ORDERING CODE



Controller PROMATIC® CMP25-2
incl. 1xAF/Pt, 1xTF/Pt and 1xVF/Pt
Code: **2CMP2510150-010**

DIMENSIONS



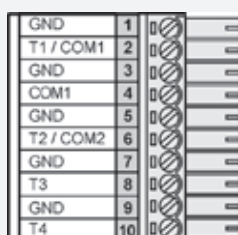
TECHNICAL DATA

Power supply	230 V ~, 50 Hz
Consumption	< 4 VA
Consumption in standby	max. 0,5 W
Load on pump output (R1)	230 V ~ / 4 (2) A~
Degree of Protection	IP42 acc. to EN 60529
Safety class	I acc. to EN60730-1
Operation Type	1B acc. to EN 60730-1
Day temperature setting range	10 °C ÷ 30 °C
Night temperature set point	10 °C ÷ 30 °C
Heat curve set point	0.2 ÷ 2.2
Frost protection temp. set point	+ 6 °C (adjustable)
Temperature sensor type	Pt1000 or KTY10
Program timer	Digital multi-channel timer
Mixing valve control	3-point PID - regulation output
Colour / Material	dark grey / PC
Dimensions (w × l × h)	105 × 84 × 100 mm
Ambient temperature	0 ÷ 40 °C
Storage temperature	-20 ÷ 65 °C
Weight	950 g
Package unit	12 pcs

CODE MANUFACTURER

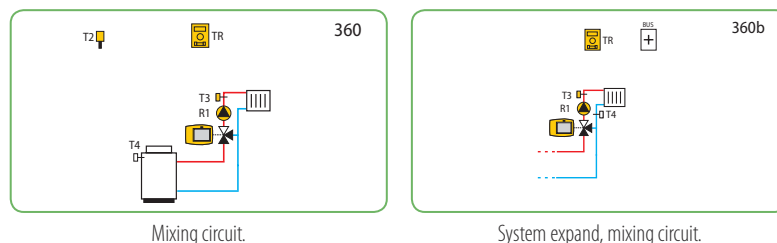
1CMPMSA+NNO	Esbe, Afriso, WIP, Hora, BRV, Acaso, IVAR, Seltron, IMIT, IMP...
1CMPMSB+NNO	Centra ZR/DR
1CMPMSC+NNO	Centra DRU
1CMPMSD+NNO	Siemens VBI, VBF
1CMPMSE+NNO	ESBE VRG..
1CMPMSF+NNO	Firšt
1CMPMSG+NNO	Honeywell V5442.., V5433..
1CMPMSH+NNO	PAW - K32, K33, K34

ELECTRICAL WIRING



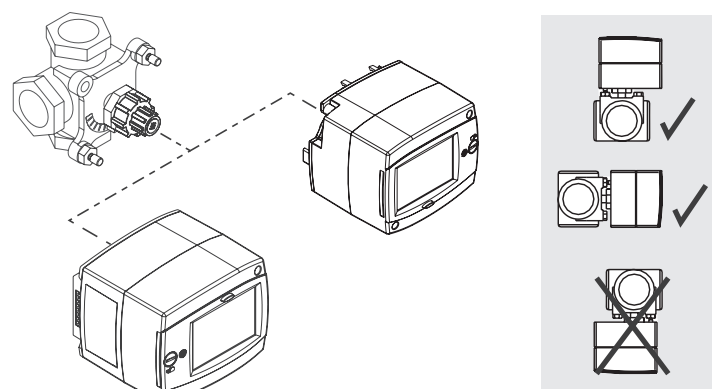
Connector layout for wiring installation.

HYDRAULIC SCHEMES



INSTALLATION

Controller can also be mounted rotated for 180°. In this case a simple setup of display orientation and valve opening direction adjusts the controller.



TEMPERATURE SENSORS



Surface sensor VF/Pt
Code: **1VFPT-000**



Immersion sensor TF/Pt
Code: **1TFPT-000**



Outside sensor AF/Pt
Code: **1AFPT-000**



Room sensor PS10
Code: **2PS10PT-510**



Room unit DD2+
Code: **2DD2+-010**



Compact heating controller PROMATIC® CMP25-2

TOUCH SCREEN

CMP25-2 has advanced user interface by means of touch sensitive screen.



INDICATION OF OPERATION

-  Green led indicates mixing valve go closing
-  Red light indicates mixing valve go opening

BUS CONNECTION

Controllers CMP25-2 can be connected into unique heating system by means of BUS connection. Only one outdoor sensor is required for operation of controllers in BUS network. For easy and quick connection of controllers a 10-pole connector is used.





Heating controllers PROMATIC® WDC



PROMATIC® WDC controllers are representing a new state of the art generation of weather compensated heating controllers. They are designed to regulate the temperature of the living space and domestic hot water. Their modern design allows the regulation of a large number of different heating systems implementations. With Seltron simplicity solutions built in, the controller offers a lot of comfort and advantages to the user.

- The possibility of independent regulation of two mixing heating circuits. The controller can be met for different temperature requirements of users in two separate flats or floors.
- In the field of renewable energy sources the controller WDC allows the connection of a heat pump and a conventional heating source in an comprehensive and economical system.
- 3 to 4 steps setup wizard.
- Simulation mode, where you can simulate the temperatures of individual sensors and monitor the controller's response.

WDC controllers have an illuminated graphic display providing clear and comprehensive overview of the operation and allow easy management. Control elements are presented with animated symbols.

Heating controller PROMATIC® WDC10B



PROMATIC® WDC10B is a modern weather-compensated controller for heating, domestic hot water preparation and boiler control.

WDC10B is the basic model which allows you to select between seven preset hydraulic schemes. For a quick and easy start, a start up wizard is installed, that guides us through the controller setting in only three steps. Unique is the interactive help with the HELP button which shows us a handy guide and other important information about the system and controller operation. The controller can be switched to simulation mode, where you can simulate the temperatures of individual sensors and monitor the controller's response.

ORDERING CODES



Controller PROMATIC® WDC10B
Code: **2WDC10B00000-010**



Controller PROMATIC® WDC10B
incl. 2xTF/Pt, 1xAF/Pt and 1xVF/Pt
Code: **2WDC10B21100-010**

SELTRON SIMPLICITY SOLUTIONS

- 3 step setup wizard
- System simulation
- User Interactive Help
- PC interface

- 14-language support
- Error and malfunction notifications
- Mixing or direct heating circuit control
- Party, Eco, Holiday and One-time domestic hot water warming functions

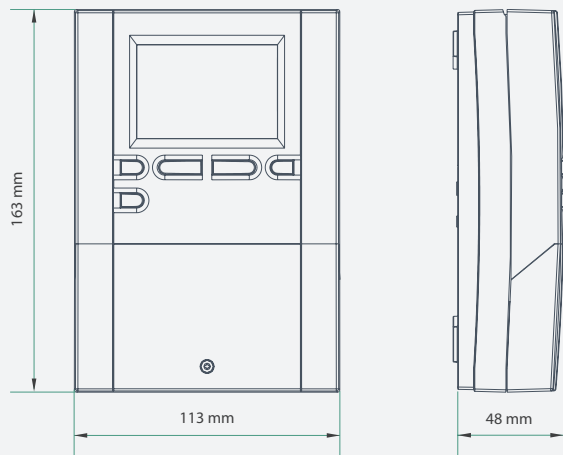
FEATURES

Number of mechanical relays	6
Number of electronic relays	0
Number of temperature sensors	7
Number of hydraulic schemes	7
Number of heating circuits	1
Mixing circuit	1*
Direct circuit	1*
Number of connected DD2+ units	max. 2
Digital program timer	✓
Switching between two boilers	✗
Room heating with heat pump	✓
D. h. w. warming with heat pump	✓
D. h. w. warming with Sun collectors	✗
BUS	✓
Illuminated LCD display	✓
User functions Party, ECO, Holiday and one time d. h. w. warming	✓
Boost function for room heating	✓
Anti block function for pumps and valves	✓
Overheating protection for boiler and storage tank	✓
Option for remote control with telephone	✓
Antilegionella protection	✓
Frost protection	✓
Function for floor drying	✓
Overview of temperatures for current day	✓
Overview of temperatures for last week	✓
Error and high temperature warning	✓
Simulation of system operation	✓
Logging of settings changes	✓
Possibility of connection with PC	✓

* Mixing or direct heating circuit is available

Heating controller PROMATIC® WDC10B

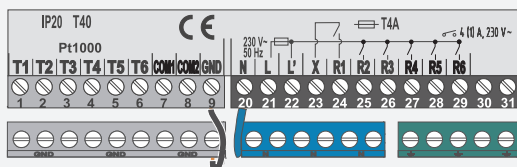
DIMENSIONS



TECHNICAL DATA

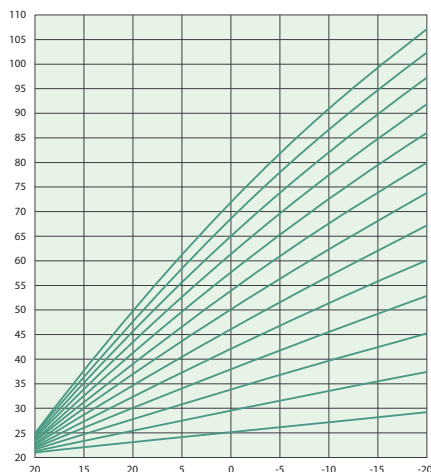
Power supply	230 V ~, 50 Hz
Consumption	< 4 VA
Consumption in standby	max. 0,5 W
Relay output	4 (1) A ~, 230 V ~
Triac output	1 (1) A ~, 230 V ~
Controller type	PID
Degree of protection	IP20 according to EN 60529
Safety Class	I according to EN 60730-1
Operation Type	1B acc. to EN 60730-1
Controller housing	ASA - thermoplastics
Dimensions (w × l × h)	113 x 163 x 48 mm
Ambient temperature	0 ÷ 40 °C
Storage temperature	-20 °C ... +65 °C
Weight	450 g
Package unit	12 pcs

ELECTRICAL WIRING



Connector layout for wiring installation.

HEAT CURVE SETTINGS



Heating system	Setting range
floor heating	0,2 - 0,8
wall heating	0,6 - 1,0
radiator heating	0,8 - 1,4



With adjusting the heat curve steepness, the controller is tuned with the building. For optimal controller operation, the right setting of the heat curve steepness is very important.

TEMPERATURE SENSORS



Surface sensor VF/Pt
Code: 1VFPT-000



Immersion sensor TF/Pt
Code: 1TFPT-000



Outside sensor AF/Pt
Code: 1AFPT-000



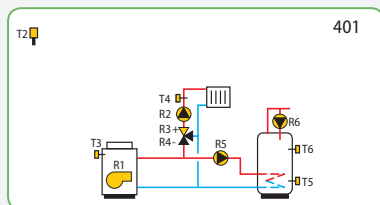
Room sensor PS10
Code: 2PS10PT-510



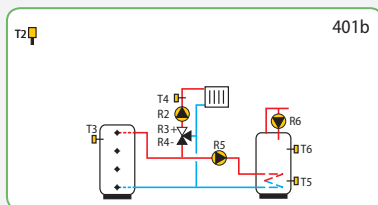
Room unit DD2+
Code: 2DD2+-010

Heating controller PROMATIC® WDC10B

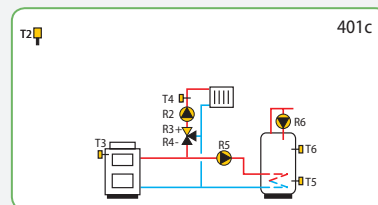
HYDRAULIC SCHEMES



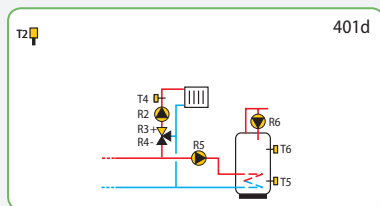
Oil boiler, mixing circuit,
d. h. w. storage tank.



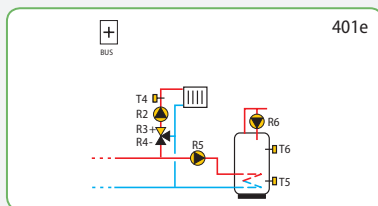
Heat accumulator, mixing circuit,
d. h. w. storage tank.



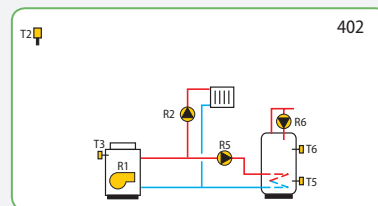
Solid fuel boiler, mixing circuit,
d. h. w. storage tank.



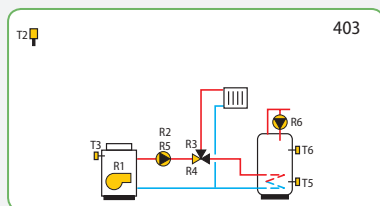
System without boiler - mixing circuit,
d. h. w. storage tank.



System expand - mixing circuit,
d. h. w. storage tank.

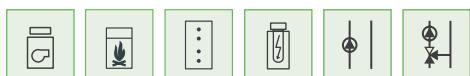


Oil boiler, direct circuit,
d. h. w. storage tank.



Oil boiler, direct circuit,
d. h. w. storage tank.

Heating controller PROMATIC® WDC10



PROMATIC® WDC10 is a modern weather-compensated controller for heating, domestic hot water preparation with boiler and a solar system and for boiler control.

WDC10 is designed for advanced facilities and offers a selection between seventeen preset hydraulic schemes. For a quick and easy start, a start-up wizard is installed, that guides us through the controller setting in only three or four steps. Unique is the interactive help with the Help button which shows us a handy guide and other important information about the system and controller operation. The controller can be switched to simulation mode, where you can simulate the temperatures of individual sensors and monitor the controller's response.

ORDERING CODES



Controller PROMATIC® WDC10
Code: **2WDC1000000-010**



Controller PROMATIC® WDC10
incl. 4xTF/Pt, 1xAF/Pt and 1xVF/Pt
Code: **2WDC1041100-010**

SELTRON SIMPLICITY SOLUTIONS

- 3 or 4 step setup wizard
- System simulation
- User Interactive Help
- PC interface

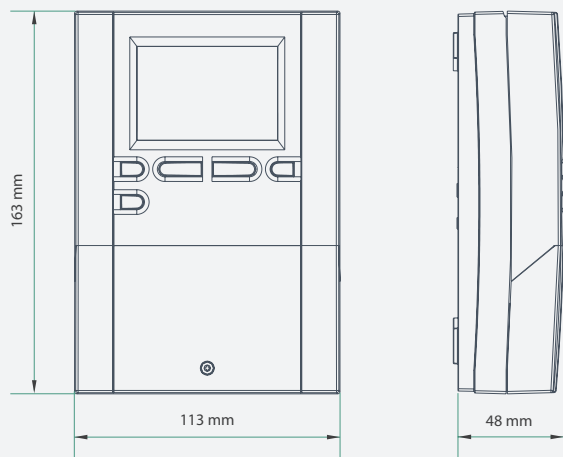
- 14-language support
- Error and malfunction notifications
- Mixing and direct heating circuit control
- Party, Eco, Holiday and One-time domestic hot water warming functions
- Solar controller for d. h. w. warming

FEATURES

Number of mechanical relays	6
Number of electronic relays	1
Number of temperature sensors	7
Number of hydraulic schemes	17
Number of heating circuits	2
Mixing circuit	1
Direct circuit	1
Number of connected DD2+ units	max. 2
Digital program timer	✓
Switching between two boilers	✗
Room heating with heat pump	✓
D. h. w. warming with heat pump	✓
D. h. w. warming with Sun collectors	✓
BUS	✓
Illuminated LCD display	✓
User functions Party, ECO, Holiday and one time d. h. w. warming	✓
Boost function for room heating	✓
Anti block function for pumps and valves	✓
Overheating protection for boiler and storage tank	✓
Option for remote control with telephone	✓
Antilegionella protection	✓
Frost protection	✓
Function for floor drying	✓
Overview of temperatures for current day	✓
Overview of temperatures for last week	✓
Error and high temperature warning	✓
Simulation of system operation	✓
Logging of settings changes	✓
Possibility of connection with PC	✓

Heating controller PROMATIC® WDC10

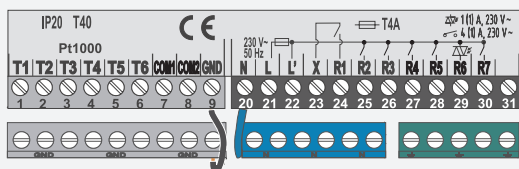
DIMENSIONS



TECHNICAL DATA

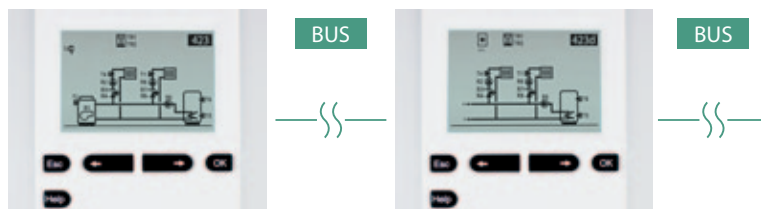
Power supply	230 V ~, 50 Hz
Consumption	< 4 VA
Consumption in standby	max. 0,5 W
Relay output	4 (1) A ~, 230 V ~
Triac output	1 (1) A ~, 230 V ~
Controller type	PID
Degree of protection	IP20 according to EN 60529
Safety Class	I according to EN 60730-1
Operation Type	1B acc. to EN 60730-1
Controller housing	ASA - thermoplastics
Dimensions (w × l × h)	113 x 163 x 48 mm
Ambient temperature	0 ÷ 40 °C
Storage temperature	-20 °C ... +65 °C
Weight	450 g
Package unit	12 pcs

ELECTRICAL WIRING



Connector layout for wiring installation.

BUS CONNECTION



With BUS-connection is possible to make a network of controllers WDC.

TEMPERATURE SENSORS



Surface sensor VF/Pt
Code: **1VFPT-000**



Immersion sensor TF/Pt
Code: **1TFPT-000**



Outside sensor AF/Pt
Code: **1AFPT-000**



Room sensor PS10
Code: **2PS10PT-510**

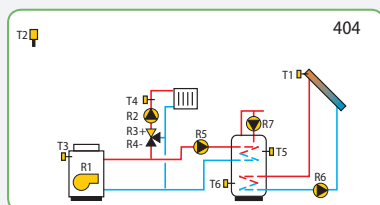


Room unit DD2+
Code: **2DD2+-010**

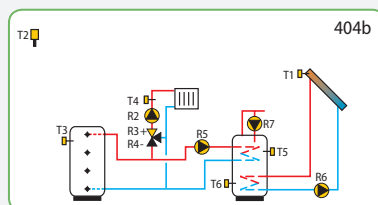
Heating controller PROMATIC® WDC10

HYDRAULIC SCHEMES

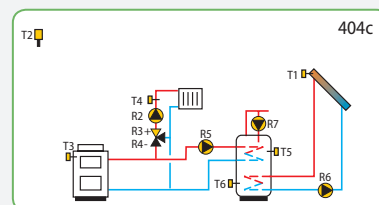
The controller also includes the hydraulic schemes from lower model WDC10B.



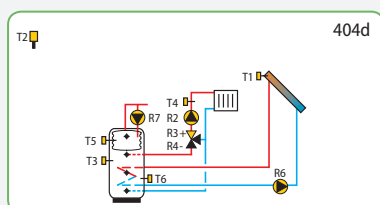
Oil boiler, mixing circuit,
d. h. w. storage tank, solar collectors.



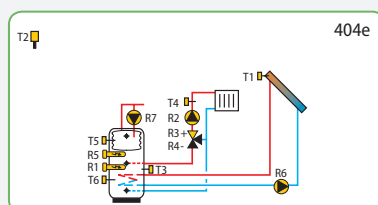
Heat accumulator, mixing circuit,
d. h. w. storage tank, solar collectors.



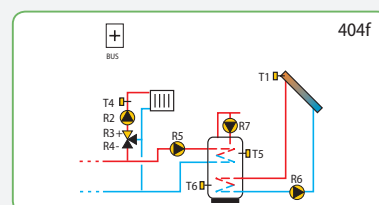
Solid fuel boiler, mixing circuit,
d. h. w. storage tank, solar collectors.



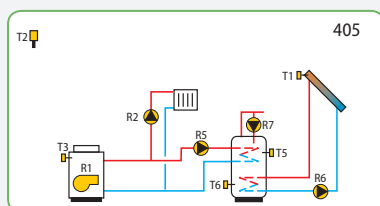
Heat accumulator with built-in storage tank,
mixing circuit, solar collectors.



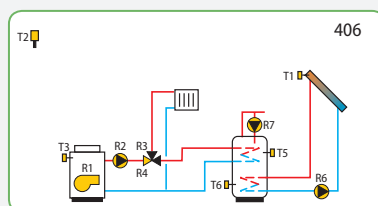
Heat accumulator with built-in storage tank, mixing
circuit, auxiliary heating with electricity, solar collectors.



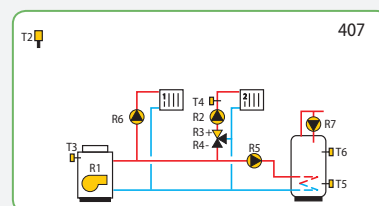
System expand - mixing circuit,
d. h. w. storage tank, solar collectors.



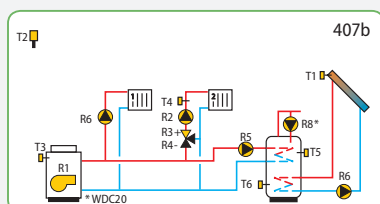
Oil boiler, direct circuit, d. h. w. storage tank,
solar collectors.



Oil boiler, direct circuit, d. h. w. storage tank,
solar collectors.

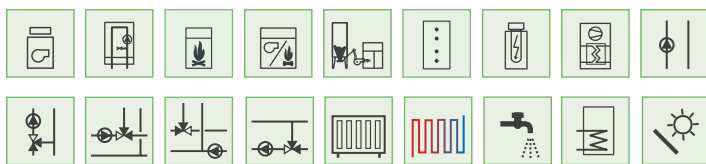


Oil boiler, mixing and direct circuit
d. h. w. storage tank.



Oil boiler, direct and mixing circuit, d. h. w. storage tank,
solar collectors.

Heating controller PROMATIC® WDC20



PROMATIC® WDC20 is a modern weather compensated heating controller with one or two mixing heating circuits, for domestic hot water warming with boiler and solar system and controls up to two heating sources.

WDC20 is designed for demanding installations and allows you to choose among fifty-two preset hydraulic schemes. For a quick and easy start, a start up wizard is installed, that guides us through the controller setting in only three to four steps. Unique is the interactive help with the HELP button which shows us a handy guide and other important information about the system and controller operation. The controller can be switched to simulation mode, where you can simulate the temperatures of individual sensors and monitor the controller's response.

ORDERING CODES



Controller PROMATIC® WDC20
Code: 2WDC2000000-010



Controller PROMATIC® WDC20
incl. 4xTF/Pt, 1xAF/Pt and 1xVF/Pt
Code: 2WDC2041100-010

SELTRON SIMPLICITY SOLUTIONS

- 3 or 4 step setup wizard
- System simulation
- User Interactive Help
- PC interface

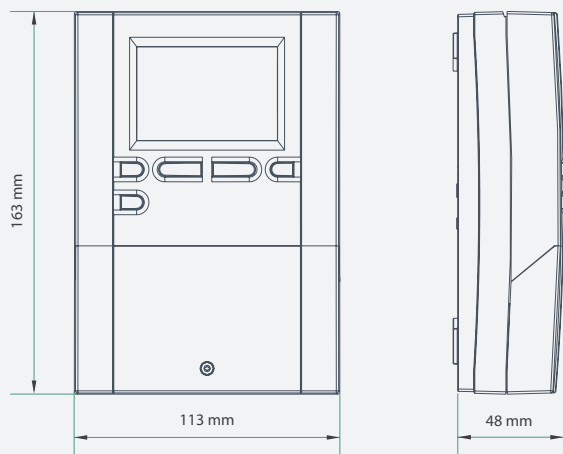
- 14-language support
- Error and malfunction notifications
- 2 x mixing heating circuit control
- Party, Eco, Holiday and One-time domestic hot water warming functions
- Solar controller for d. h. w. warming
- Control up to two heat sources

FEATURES

Number of mechanical relays	7
Number of electronic relays	1
Number of temperature sensors	6 (7)
Number of hydraulic schemes	52
Number of heating circuits	2
Mixing circuit	max. 2
Direct circuit	max. 1
Number of connected DD2+ units	max. 2
Digital program timer	✓
Switching between two boilers	✓
Room heating with heat pump	✓
D. h. w. warming with heat pump	✓
D. h. w. warming with Sun collectors	✓
BUS	✓
Illuminated LCD display	✓
User functions Party, ECO, Holiday and one time d. h. w. warming	✓
Boost function for room heating	✓
Anti block function for pumps and valves	✓
Overheating protection for boiler and storage tank	✓
Option for remote control with telephone	✓
Antilegionella protection	✓
Frost protection	✓
Function for floor drying	✓
Overview of temperatures for current day	✓
Overview of temperatures for last week	✓
Error and high temperature warning	✓
Simulation of system operation	✓
Logging of settings changes	✓
Possibility of connection with PC	✓

Heating controller PROMATIC® WDC20

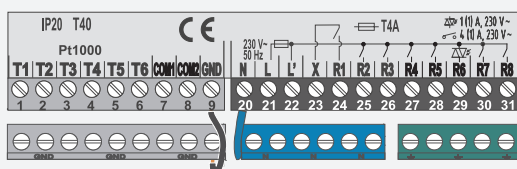
DIMENSIONS



TECHNICAL DATA

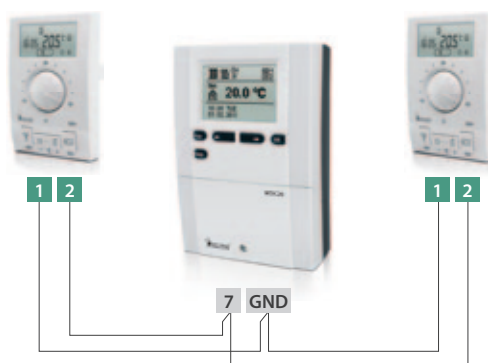
Power supply	230 V ~, 50 Hz
Consumption	< 4 VA
Consumption in standby	max. 0,5 W
Relay output	4 (1) A ~, 230 V ~
Triac output	1 (1) A ~, 230 V ~
Controller type	PID
Degree of protection	IP20 according to EN 60529
Safety Class	I according to EN 60730-1
Operation Type	1B acc. to EN 60730-1
Controller housing	ASA - thermoplastics
Dimensions (w × l × h)	113 x 163 x 48 mm
Ambient temperature	0 ÷ 40 °C
Storage temperature	-20 °C ... +65 °C
Weight	450 g
Package unit	12 pcs

ELECTRICAL WIRING



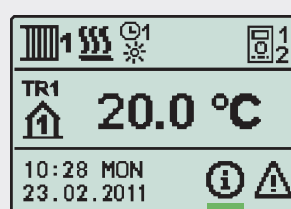
Connector layout for wiring installation.

ROOM UNITS CONNECTION



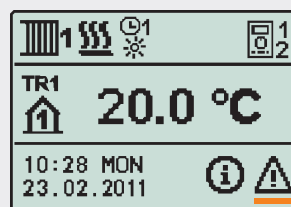
Up to two room units can be connected to a controller.

SELF DIAGNOSTICS REPORTS



NOTICE

In case of exceeding the maximum temperature or activation of protection function, the controller indicates the event with flashing symbol on the display. If the maximum temperature is no longer exceeded or if the protection function is turned off, a lited symbol indicates a recent event. Press **Help** to open the screen to check notifications.



WARNING

In the event of sensor failure, pump error or flow sensor error, the controller indicates the failure with flashing symbol on the display. If the issue is resolved or no longer present, a lited symbol indicates a recent event. Press **Help** to open the screen for warnings.

TEMPERATURE SENSORS



Surface sensor VF/Pt
Code: 1VFPT-000



Immersion sensor TF/Pt
Code: 1TFPT-000



Outside sensor AF/Pt
Code: 1AFPT-000



Room sensor PS10
Code: 2PS10PT-510

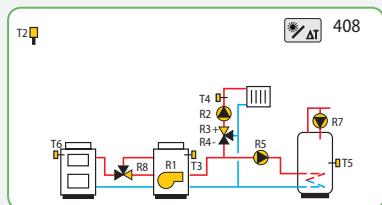


Room unit DD2+
Code: 2DD2+-010

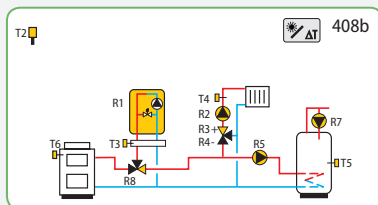
Heating controller PROMATIC® WDC20

HYDRAULIC SCHEMES

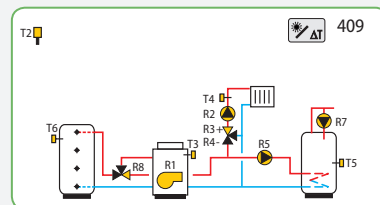
The controller also includes the hydraulic schemes from lower models WDC10B and WDC10.



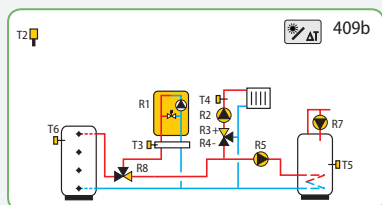
Wood boiler, oil boiler, mixing circuit,
d. h. w. storage tank.



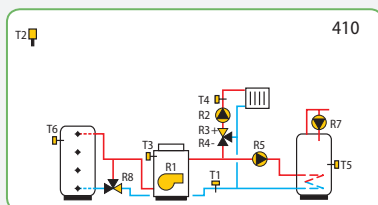
Wood boiler, gas boiler, mixing circuit,
d. h. w. storage tank.



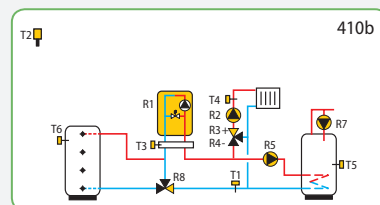
Heat accumulator, oil boiler, mixing circuit,
d. h. w. storage tank.



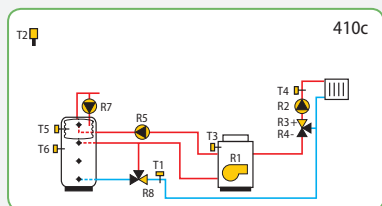
Heat accumulator, gas boiler, mixing circuit,
d. h. w. storage tank.



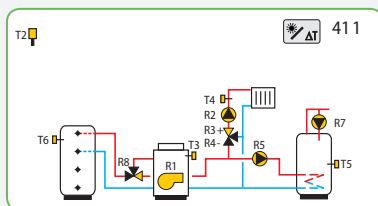
Heat accumulator, oil boiler, mixing circuit,
d. h. w. storage tank.



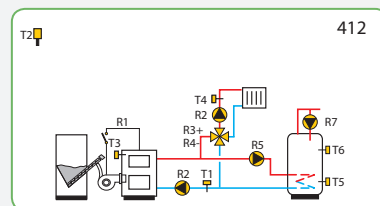
Heat accumulator, gas boiler, mixing circuit,
d. h. w. storage tank.



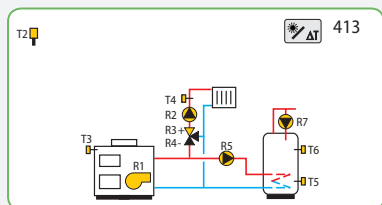
Heat accumulator with built-in d. h. w. storage tank,
oil boiler, mixing circuit.



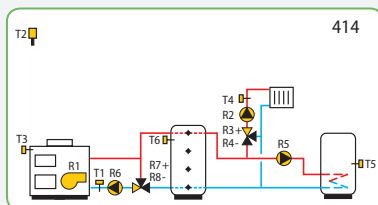
Heat accumulator, oil boiler, mixing circuit,
d. h. w. storage tank.



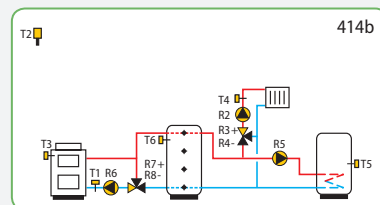
Pellet boiler, mixing circuit, d. h. w. storage tank.



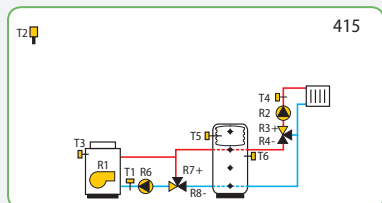
Combined (wood/oil) boiler, mixing circuit,
d. h. w. storage tank.



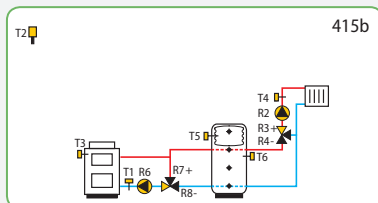
Combined (wood/oil) boiler, heat accumulator,
mixing circuit, d. h. w. storage tank.



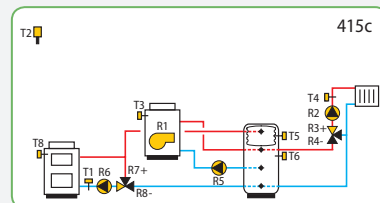
Wood boiler, heat accumulator, mixing circuit,
d. h. w. storage tank.



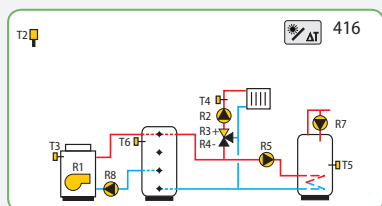
Combined (wood/oil), heat accumulator with built-in
d. h. w. storage tank, mixing circuit.



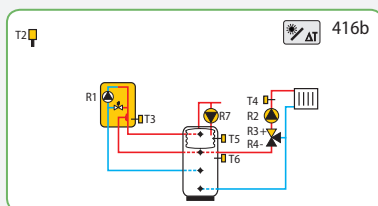
Wood boiler, heat accumulator with built-in
d. h. w. storage tank, mixing circuit.



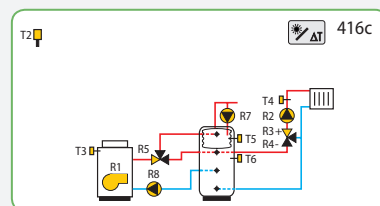
Wood boiler, oil boiler, heat accumulator, mixing circuit,
d. h. w. storage tank.



Oil boiler, heat accumulator, mixing circuit,
d. h. w. storage tank.



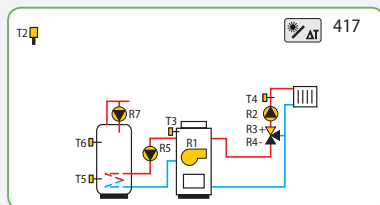
Gas boiler, heat accumulator with built-in
d. h. w. storage tank, mixing circuit.



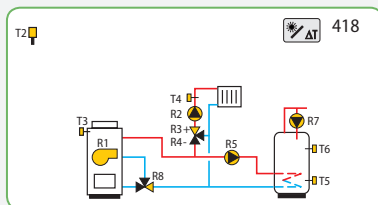
Oil boiler, heat accumulator with built-in
d. h. w. storage tank, mixing circuit.

HYDRAULIC SCHEMES

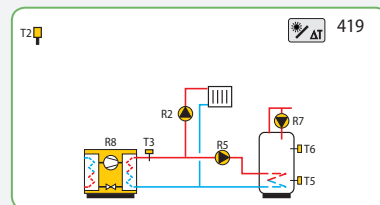
The controller also includes the hydraulic schemes from lower models WDC10B and WDC10.



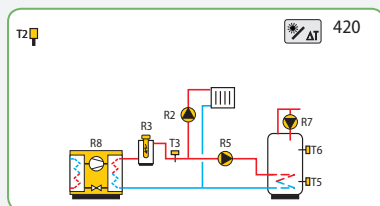
Combined (wood/oil) boiler, d. h. w. storage tank, mixing circuit.



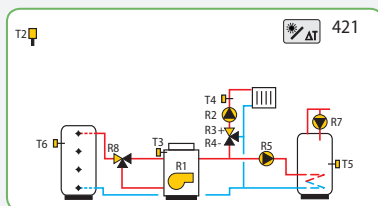
Combined (wood/oil) boiler, mixing circuit, d. h. w. storage tank.



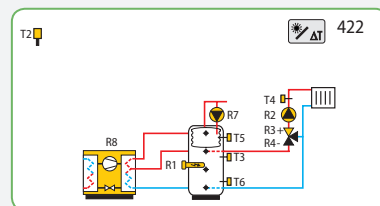
Heat pump, direct circuit, d. h. w. storage tank.



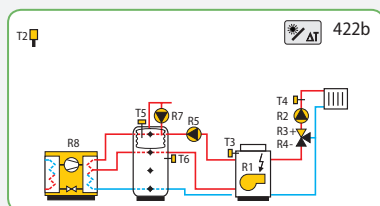
Heat pump, heating support with electricity, direct circuit, d. h. w. storage tank.



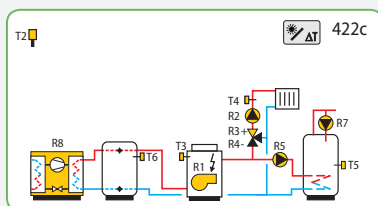
Oil boiler, heat accumulator, mixing circuit, d. h. w. storage tank.



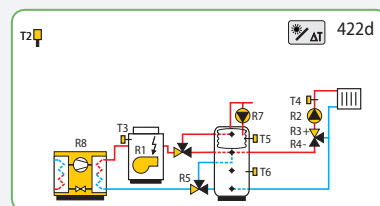
Heat pump, direct circuit, d. h. w. storage tank.



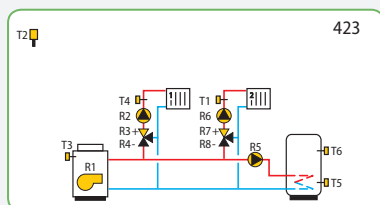
Heat pump, direct circuit, d. h. w. storage tank, solar collectors.



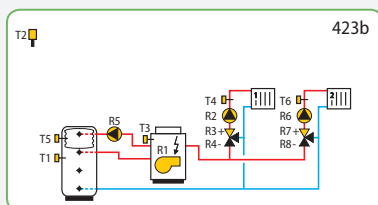
Heat pump, heating support with electricity, direct circuit, d. h. w. storage tank.



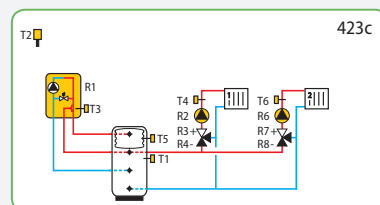
Heat pump, combined (oil/electricity) boiler, heat accumulator with built-in d. h. w. storage tank, mixing circuit.



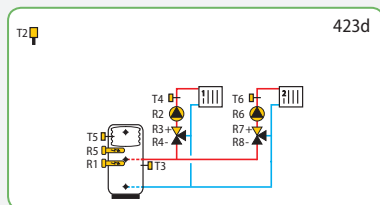
Oil boiler, 2x mixing circuit, d. h. w. storage tank.



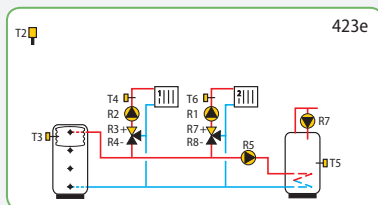
Combined (oil/electricity) boiler, heat accumulator with built-in d. h. w. storage tank, 2x mixing circuit.



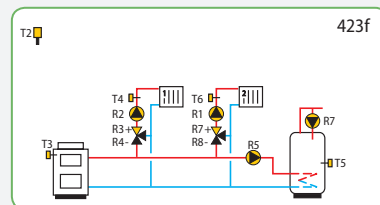
Gas boiler, heat accumulator with built-in d. h. w. storage tank, 2x mixing circuit.



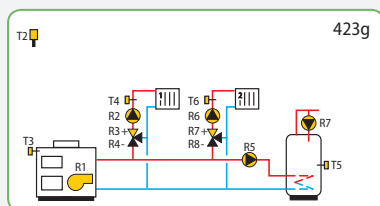
heat accumulator with built-in d. h. w. storage tank, auxiliary heating with electricity, 2x mixing circuit.



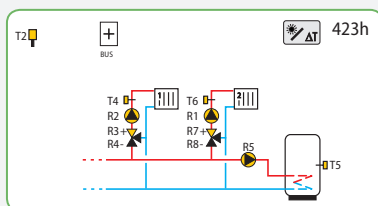
Heat accumulator, 2x mixing circuit, d. h. w. storage tank.



Wood boiler, 2x mixing circuit, d. h. w. storage tank.



Combined (wood/oil) boiler, 2x mixing circuit, d. h. w. storage tank.



System expand, 2x mixing circuit, d. h. w. storage tank.



Heating controllers PROMATIC® WXD



PROMATIC WXD are modern weather compensated heating controllers. Their design with sizes of 144 X 96 x 48 mm makes them universal to use in new heating installations as well as replacement controller for existing systems. They are designed to control two mixing heating circuits, domestic hot water warming with boiler and/or solar system and for control of max. two heat sources.

- The possibility of independent regulation of two mixing heating circuits. The controller can be met for different temperature requirements of users in two separate flats or floors.
- In the field of renewable energy sources the controller WXD allows the connection of a heat. Pump and a conventional heating source in an comprehensive and economical system.
- 3 to 4 steps setup wizard.
- Simulation mode, where you can simulate the temperatures of individual sensors and monitor the controller's response WXD controllers have an illuminated graphic display providing clear and comprehensive overview of the operation and allow easy management. Control elements are presented with animated symbols.



PROMATIC® WXD10B is a modern weather-compensated controller for heating, domestic hot water preparation and boiler control.

WXD10B is the basic model which allows you to select between seven preset hydraulic schemes. For a quick and easy start, a start up wizard is installed, that guides us through the controller setting in only three steps. Unique is the interactive help with the HELP button which shows us a handy guide and other important information about the system and controller operation. The controller can be switched to simulation mode, where you can simulate the temperatures of individual sensors and monitor the controller's response.

ORDERING CODES



Heating controller PROMATIC® WXD10B
incl. 2xTF/Pt, 1xVF/Pt, 1xAF/Pt

Code: 2WXD10B21100-510

SELTRON SIMPLICITY SOLUTIONS

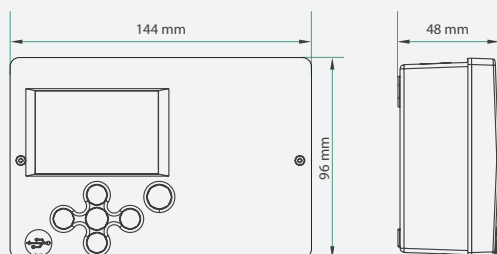
- 3 step setup wizard
- System simulation
- User Interactive Help
- PC interface

- 14-language support
- Error and malfunction notifications
- Standard dimensions 144 x 96 mm
- Mixing or direct heating circuit control
- Party, Eco, Holiday and One-time domestic hot water warming functions

FEATURES

Number of mechanical relays	7
Number of electronic relays	1
Number of temperature sensors	10
Number of hydraulic schemes	7
Number of heating circuits	max 1
- of which mixing circuits	1
- of which direct circuits	1
Program timer	✓
Number of connected DD2+ units	max 2
Switching between two boilers	✗
Room heating with heat pump	✗
D. h. w. warming with heat pump	✓
D. h. w. warming with sun collectors	✗
BUS	✓
Illuminated LCD display	✓
User functions Party, ECO, Holiday and instant d. h. w. warming	✓
Boost function for room heating	✓
Periodic pumps and valves start in inactive season	✓
Overheating protection for boiler, collectors and storage tank	✓
Option for remote control with telephone	✓
Antilegionella protection	✓
Frost protection	✓
Function for floor drying	✓
Overview of temperatures for current day	✓
Overview of temperature for more past days	✓
Error and high temperature warning	✓
Simulation of system operation	✓
Logging the changes of settings	✓
Free programming of outputs R0 (Circulation, bypass-pump, supply pump, electric heater, heat pump as an additional energy source).	✓
Control of 2-step burner	✓
USB connection to PC	✓

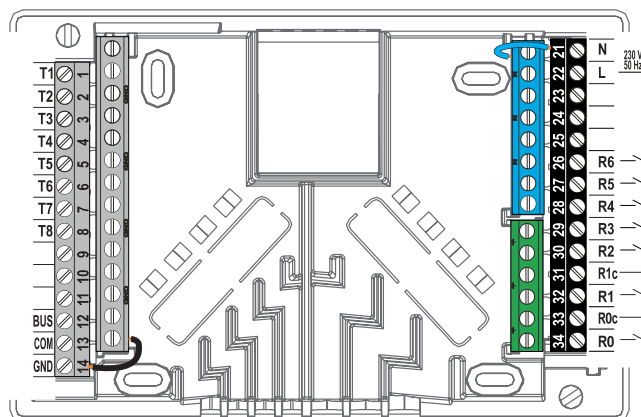
DIMENSIONS



TECHNICAL DATA

Power supply	230 V ~, 50 Hz
Consumption	5 VA
Consumption in standby	max. 0,5 W
Relay output	4 (1) A ~, 230 V ~
Triac output	1 (1) A ~, 230 V ~
Degree of protection	IP20 according to EN 60529
Safety Class	I according to EN 60730-1
Operation Type	1B acc. to EN 60730-1
Controller housing	PCASA - thermoplastics
Dimensions	144 x 96 x 48 mm
Ambient temperature	5 °C ... +40 °C
Storage temperature	-20 °C ... +65 °C
Weight	425 g
Package	12 pcs

ELECTRICAL WIRING



Connector layout for wiring installation.

TEMPERATURE SENSORS, ROOM UNITS, ACTUATORS



Surface sensor VF/Pt
Code: **1VFPT-000**



Immersion sensor TF/Pt
Code: **1TFPT-000**



Outside sensor AF/Pt
Code: **1AFPT-000**



Immersion sensor CF
Code: **1CFPT-000**



Room sensor PS10
Code: **2PS10PT-510**



Room unit DD2+
Code: **2DD2+-010**

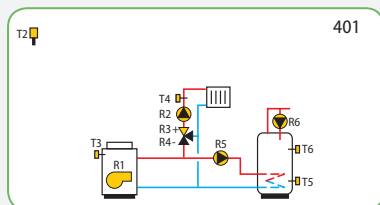


Actuator PROMIX® AVC05,
5Nm, 2 min., 230V
Code: **1AVC0532M210-030**

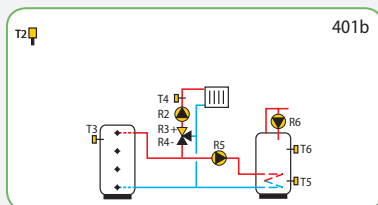


Actuator PROMIX® AVC05R,
5Nm, 2 min., 230V
Code: **1AVC0522M210-030**

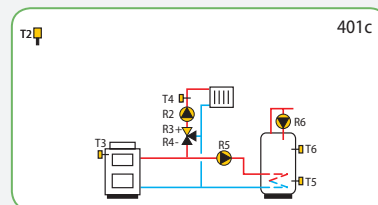
HYDRAULIC SCHEMES



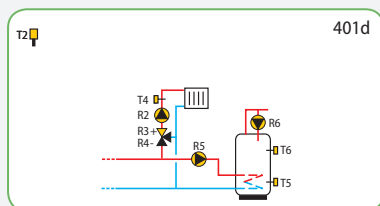
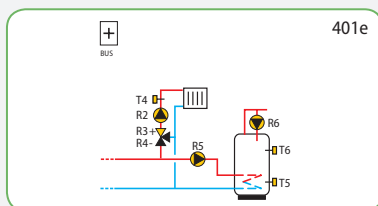
Oil boiler, mixing circuit, d. h. w. storage tank.



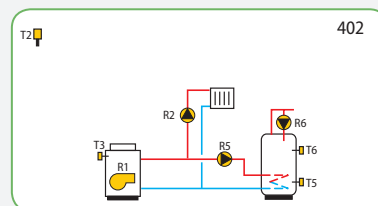
Heat accumulator, mixing circuit, d. h. w. storage tank.



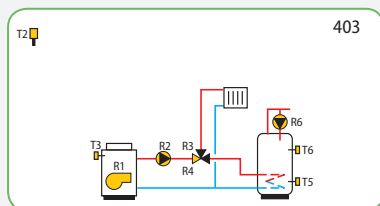
Wood boiler, mixing circuit, d. h. w. storage tank.

System without boiler - mixing circuit,
d. h. w. storage tank.

System expand - mixing circuit, d. h. w. storage tank.



Oil boiler, direct circuit, d. h. w. storage tank.



Oil boiler, direct circuit, d. h. w. storage tank.



PROMATIC® WXD10 is a modern weather-compensated controller for heating, domestic hot water preparation with boiler and a solar system and for boiler control.

WXD10 is designed for advanced facilities and offers a selection between seventeen preset hydraulic schemes. For a quick and easy start, a start-up wizard is installed, that guides us through the controller setting in only three to four steps. Unique is the interactive help with the HELP button which shows us a handy guide and other important information about the system and controller operation. The controller can be switched to simulation mode, where you can simulate the temperatures of individual sensors and monitor the controller's response.

ORDERING CODES



Heating controller PROMATIC® WXD10
incl. 4xTF/Pt, 1xVF/Pt, 1xAF/Pt
Code: 2WXD1041100-510

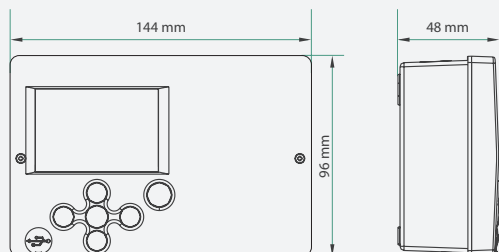
SELTRON SIMPLICITY SOLUTIONS

- 3 or 4 step setup wizard
 - System simulation
 - User Interactive Help
 - PC interface
- 14-language support
 - Error and malfunction notifications
 - Standard dimensions 144 x 96 mm
 - Mixing and direct heating circuit control
 - Party, Eco, Holiday and One-time domestic hot water warming functions
 - Solar controller for d. h. w. warming

FEATURES

Number of mechanical relays	8
Number of electronic relays	1
Number of temperature sensors	10
Number of hydraulic schemes	17
Number of heating circuits	max 2
- of which mixing circuits	1
- of which direct circuits	1
Program timer	✓
Number of connected DD2+ units	max 2
Switching between two boilers	✗
Room heating with heat pump	✓
D. h. w. warming with heat pump	✓
D. h. w. warming with sun collectors	✓
BUS	✓
Illuminated LCD display	✓
User functions Party, ECO, Holiday and instant d. h. w. warming	✓
Boost function for room heating	✓
Periodic pumps and valves start in inactive season	✓
Overheating protection for boiler, collectors and storage tank	✓
Option for remote control with telephone	✓
Antilegionella protection	✓
Frost protection	✓
Function for floor drying	✓
Overview of temperatures for current day	✓
Overview of temperature for more past days	✓
Error and high temperature warning	✓
Simulation of system operation	✓
Logging the changes of settings	✓
Free programming of outputs R0 and R9 (Circulation, differential thermostat, bypass-pump, supply pump, electric heater, heat pump as an additional energy source).	✓
Control of 2-stage burner	✓
USB connection to PC	✓

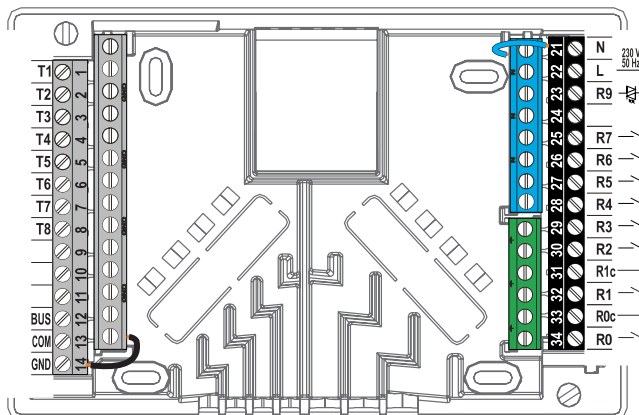
DIMENSIONS



TECHNICAL DATA

Power supply	230 V ~, 50 Hz
Consumption	5 VA
Consumption in standby	max. 0,5 W
Relay output	4 (1) A ~, 230 V ~
Triac output	1 (1) A ~, 230 V ~
Degree of protection	IP20 according to EN 60529
Safety Class	I according to EN 60730-1
Operation Type	1B acc. to EN 60730-1
Controller housing	PCASA - thermoplastics
Dimensions	144 x 96 x 48 mm
Ambient temperature	5 °C ... +40 °C
Storage temperature	-20 °C ... +65 °C
Weight	425 g
Package	12 pcs

ELECTRICAL WIRING



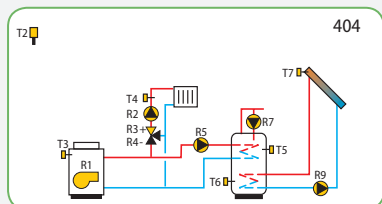
Connector layout for wiring installation.

TEMPERATURE SENSORS, ROOM UNITS, ACTUATORS

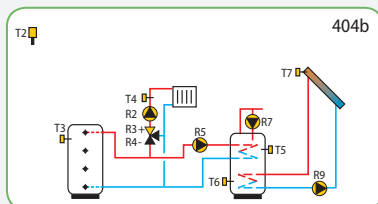
Surface sensor VF/Pt
Code: **1VFPT-000**Immersion sensor TF/Pt
Code: **1TFPT-000**Outside sensor AF/Pt
Code: **1AFPT-000**Immersion sensor CF
Code: **1CFPT-000**Room sensor PS10
Code: **2PS10PT-510**Room unit DD2+
Code: **2DD2+-010**Actuator PROMIX® AVC05,
5Nm, 2 min., 230V
Code: **1AVC0532M210-030**Actuator PROMIX® AVC05R,
5Nm, 2 min., 230V
Code: **1AVC0522M210-030**

HYDRAULIC SCHEMES

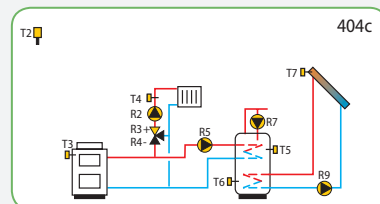
The controller also includes the hydraulic schemes from lower model WXD10B.



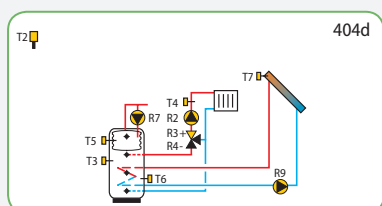
Oil boiler, mixing circuit, d. h. w. storage tank, solar collectors.



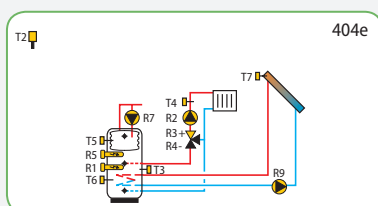
Heat accumulator, mixing circuit, d. h. w. storage tank, solar collectors.



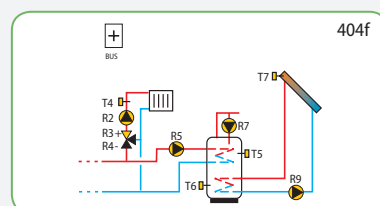
Wood boiler, mixing circuit, d. h. w. storage tank, solar collectors.



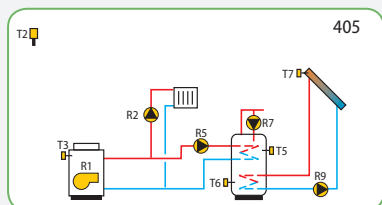
Heat accumulator with built-in storage tank, mixing circuit, solar collectors.



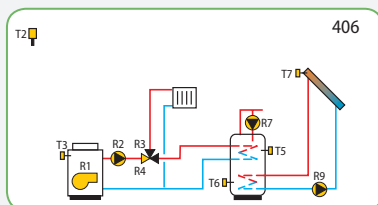
Heat accumulator with built-in storage tank, mixing circuit, auxiliary heating with electricity, solar collectors.



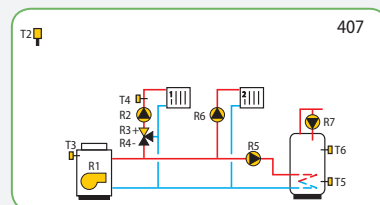
System expand - mixing circuit, d. h. w. storage tank, solar collectors.



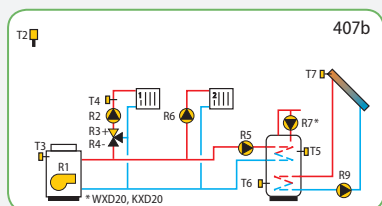
Oil boiler, direct circuit, d. h. w. storage tank, solar collectors.



Oil boiler, direct circuit, d. h. w. storage tank, solar collectors.

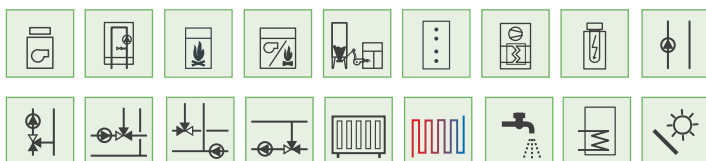


Oil boiler, direct circuit, mixing circuit, d. h. w. storage tank, solar collectors.



Oil boiler, mixing and direct circuit, d. h. w. storage tank, solar collectors.

Heating controller PROMATIC® WXD20

NEW


PROMATIC® WXD20 is a modern weather compensated heating controller with one or two mixing heating circuits, for domestic hot water warming with boiler and solar system and controls up to two heating sources.

WXD20 is designed for demanding installations and allows you to choose among fifty-two preset hydraulic schemes. For a quick and easy start, a start up wizard is installed, that guides us through the controller setting in only three to four steps. Unique is the interactive help with the HELP button which shows us a handy guide and other important information about the system and controller operation. The controller can be switched to simulation mode, where you can simulate the temperatures of individual sensors and monitor the controller's response.

ORDERING CODES



Heating controller PROMATIC® WXD20
incl. 4xTF/Pt, 1xVF/Pt, 1xAF/Pt

Code: **2WXD2041100-510**

SELTRON SIMPLICITY SOLUTIONS

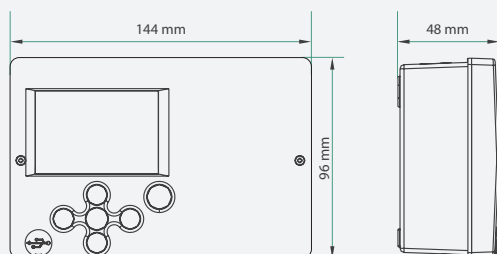
- 3 or 4 step setup wizard
- System simulation
- User Interactive Help
- PC interface

- 14-language support
- Error and malfunction notifications
- Standard dimensions 144 x 96 mm
- 2 x mixing heating circuit control
- Party, Eco, Holiday and One-time domestic hot water warming functions
- Solar controller for d. h. w. warming
- Control up to two heat sources

FEATURES

Number of mechanical relays	9
Number of electronic relays	1
Number of temperature sensors	10
Number of hydraulic schemes	52
Number of heating circuits	max 2
- of which mixing circuits	2
- of which direct circuits	1
Program timer	✓
Number of connected DD2+ units	max 2
Switching between two boilers	✓
Room heating with heat pump	✓
D. h. w. warming with heat pump	✓
D. h. w. warming with sun collectors	✓
BUS	✓
Illuminated LCD display	✓
User functions Party, ECO, Holiday and instant d. h. w. warming	✓
Boost function for room heating	✓
Periodic pumps and valves start in inactive season	✓
Overheating protection for boiler, collectors and storage tank	✓
Option for remote control with telephone	✓
Antilegionella protection	✓
Frost protection	✓
Function for floor drying	✓
Overview of temperatures for current day	✓
Overview of temperature for more past days	✓
Error and high temperature warning	✓
Simulation of system operation	✓
Logging the changes of settings	✓
Free programming of outputs R0 and R9 (Circulation, * differential thermostat, bypass-pump, supply pump, electric heater, heat pump as an additional energy source).	✓
Integrated Thermal fuse STB	✓
LED indication of activated thermal protection STB	✓
Control of 2-stage burner	✓
USB connection to PC	✓

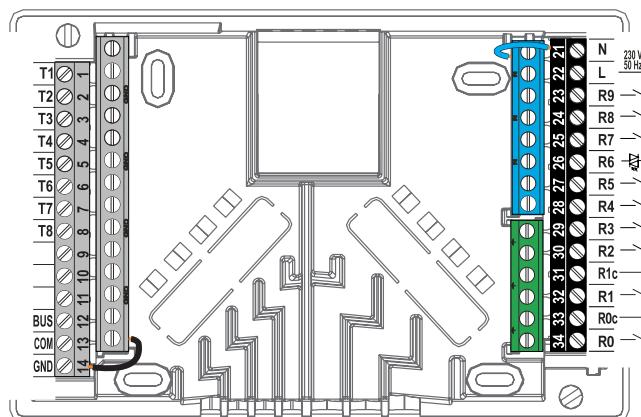
DIMENSIONS



TECHNICAL DATA

Power supply	230 V ~, 50 Hz
Consumption	5 VA
Consumption in standby	max. 0,5 W
Relay output	4 (1) A ~, 230 V ~
Triac output	1 (1) A ~, 230 V ~
Degree of protection	IP20 according to EN 60529
Safety Class	I according to EN 60730-1
Operation Type	1B acc. to EN 60730-1
Controller housing	PCASA - thermoplastics
Dimensions	144 x 96 x 48 mm
Ambient temperature	5 °C ... +40 °C
Storage temperature	-20 °C ... +65 °C
Weight	425 g
Package	12 pcs

ELECTRICAL WIRING



Connector layout for wiring installation.

TEMPERATURE SENSORS, ROOM UNITS, ACTUATORS



Surface sensor VF/Pt
Code: **1VFPT-000**



Immersion sensor TF/Pt
Code: **1TFPT-000**



Outside sensor AF/Pt
Code: **1AFPT-000**



Immersion sensor CF
Code: **1CFPT-000**



Room sensor PS10
Code: **2PS10PT-510**



Room unit DD2+
Code: **2DD2+-010**



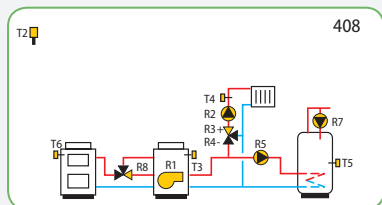
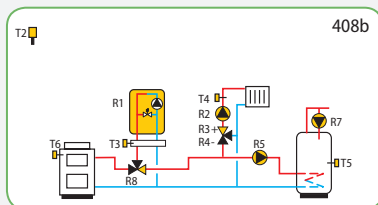
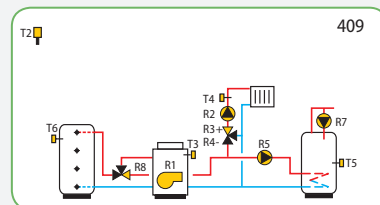
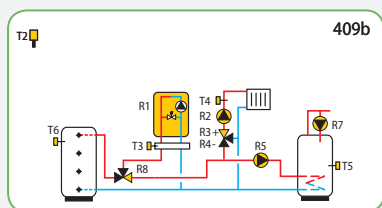
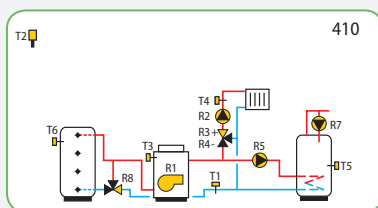
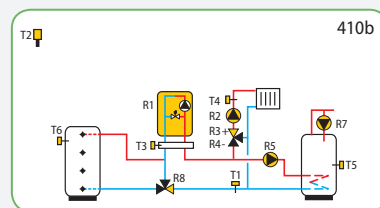
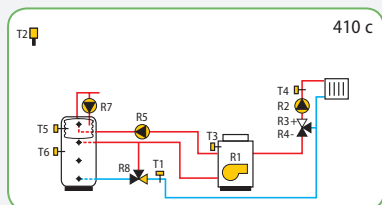
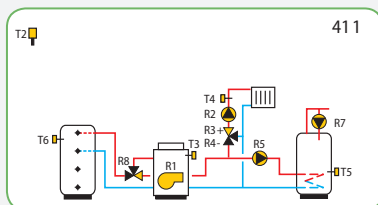
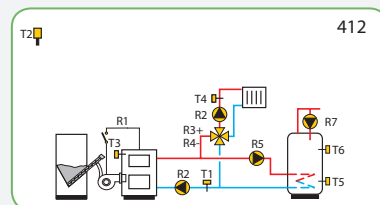
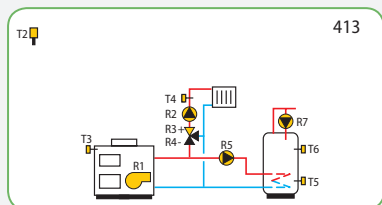
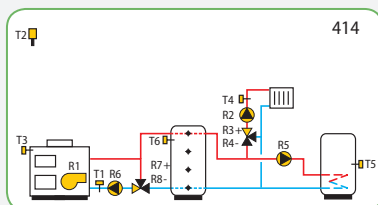
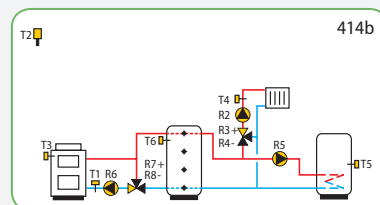
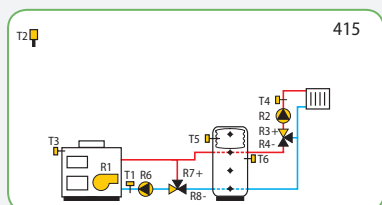
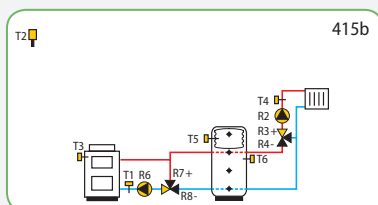
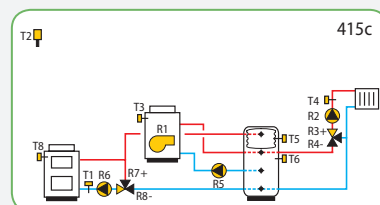
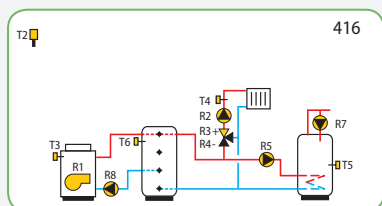
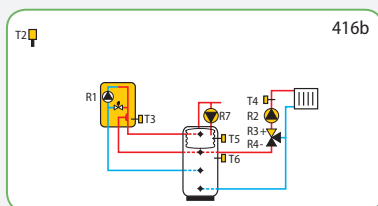
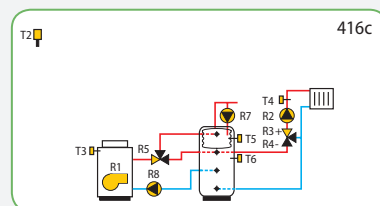
Actuator PROMIX® AVC05,
5Nm, 2 min., 230V
Code: **1AVC0532M210-030**



Actuator PROMIX® AVC05R,
5Nm, 2 min., 230V
Code: **1AVC0522M210-030**

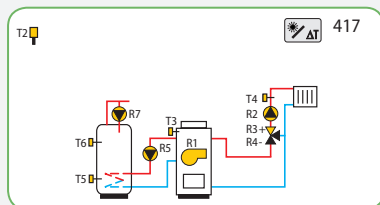
HYDRAULIC SCHEMES

The controller also includes the hydraulic schemes from lower models WXD10B and WXD10.

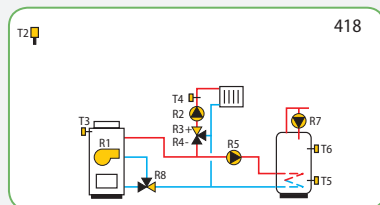
Wood boiler, oil boiler, mixing circuit,
d. h. w. storage tank.Wood boiler, gas boiler, mixing circuit,
d. h. w. storage tank.Heat accumulator, oil boiler, mixing circuit,
d. h. w. storage tank.Heat accumulator, gas boiler, mixing circuit,
d. h. w. storage tank.Heat accumulator, oil boiler, mixing circuit,
d. h. w. storage tank.Heat accumulator, gas boiler, mixing circuit,
d. h. w. storage tank.Heat accumulator with built-in d. h. w. storage tank,
oil boiler, mixing circuit.Heat accumulator, oil boiler, mixing circuit,
d. h. w. storage tank.Pellet boiler, mixing circuit,
d. h. w. storage tank.Combined (wood/oil) boiler, mixing circuit,
d. h. w. storage tank.Combined (wood/oil) boiler, heat accumulator,
mixing circuit, d. h. w. storage tank.Wood boiler, heat accumulator, mixing circuit,
d. h. w. storage tank.Combined (wood/oil), heat accumulator with built-in
d. h. w. storage tank, mixing circuit.Wood boiler, heat accumulator with built-in
d. h. w. storage tank, mixing circuit.Wood boiler, oil boiler, heat accumulator, mixing circuit,
d. h. w. storage tank.Oil boiler, heat accumulator, mixing circuit,
d. h. w. storage tank.Gas boiler, heat accumulator with built-in
d. h. w. storage tank, mixing circuit.Oil boiler, heat accumulator with built-in
d. h. w. storage tank, mixing circuit.

HYDRAULIC SCHEMES

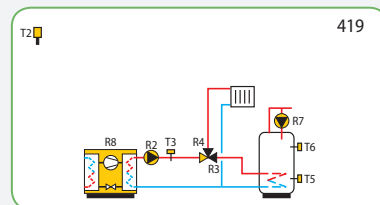
The controller also includes the hydraulic schemes from lower models WXD10B and WXD10.



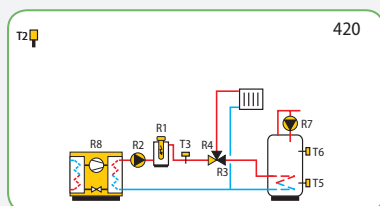
Combined (wood/oil) boiler,
d. h. w. storage tank, mixing circuit.



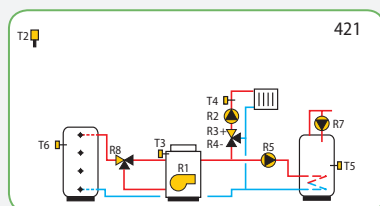
Combined (wood/oil) boiler, mixing circuit,
d. h. w. storage tank.



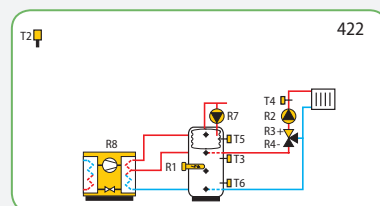
Heat pump, direct circuit, d. h. w. storage tank.



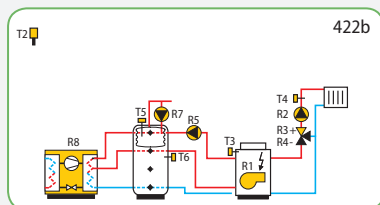
Heat pump, heating support with electricity,
direct circuit, d. h. w. storage tank.



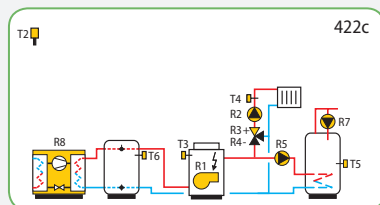
Oil boiler, heat accumulator, mixing circuit,
d. h. w. storage tank.



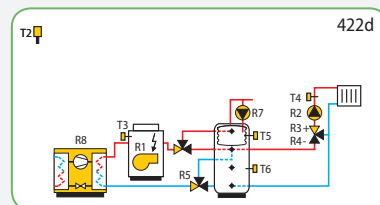
Heat pump, direct circuit, d. h. w. storage tank.



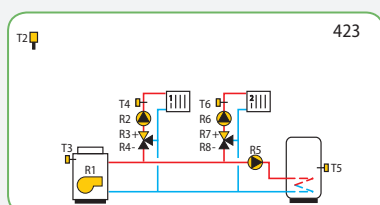
Heat pump, direct circuit, d. h. w. storage tank,
solar collectors.



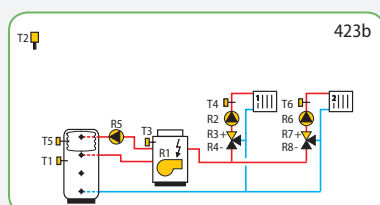
Heat pump, heating support with electricity,
direct circuit, d. h. w. storage tank.



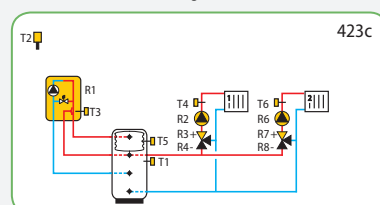
Heat pump, combined (oil/electricity) boiler,
heat accumulator with built-in d. h. w. storage tank,
mixing circuit.



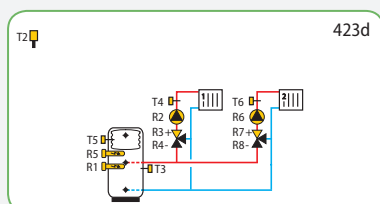
Oil boiler, 2x mixing circuit,
d. h. w. storage tank.



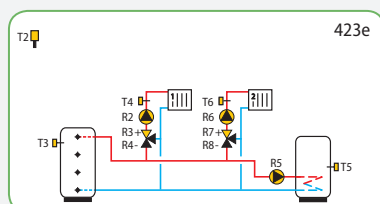
Combined (oil/electricity) boiler, heat accumulator with
built-in d. h. w. storage tank, 2x mixing circuit.



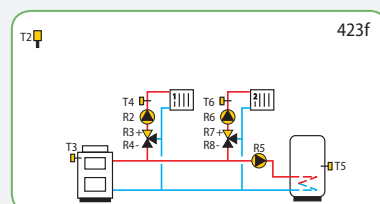
Gas boiler, heat accumulator with built-in
d. h. w. storage tank, 2x mixing circuit.



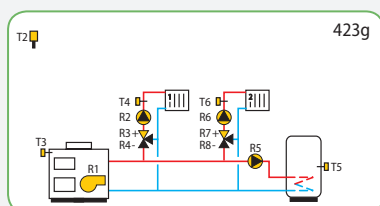
Heat accumulator with built-in d. h. w. storage tank,
auxiliary heating with electricity, 2x mixing circuit.



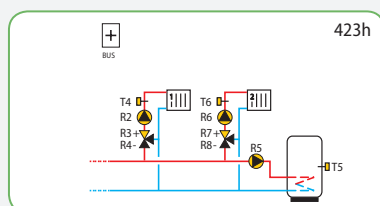
Heat accumulator, 2x mixing circuit,
d. h. w. storage tank.



Wood boiler, 2x mixing circuit,
d. h. w. storage tank.



Combined (wood/oil) boiler, 2x mixing circuit,
d. h. w. storage tank.



System expand, 2x mixing circuit,
d. h. w. storage tank.



Boiler controllers PROMATIC® KXD



PROMATIC® KXD controllers are representing a new state of the art generation of boiler controllers with built in weather compensated heating controller. They are designed to regulate boiler, temperature of the living space, domestic hot water, another heat sources and solar systems. Simple handling of the controllers is based on user interface with graphical icons. With Seltron simplicity solutions built in, the controller offers a lot of comfort and advantages to the user.

- Selection between 52 different hydraulic schemes, including schemes with two mixing circuits or two heat sources, solar system etc..
- Heating or cooling operation mode.
- All controller settings are permanently stored, user settings can be saved to a user file and later opened from it.
- Each change of controller setting, exceeded maximum temperature or system malfunction is written to a log.
- All measured temperatures are periodically stored, data can be anytime overviewed on display.
- Especially interesting function that enables simulation of measured temperatures for testing the controller operation in any conditions.
- USB connection with PC for monitoring, configuration and data acquiring.
- Possibility of mounting to the panel or on the boiler.
- Adjustable mounting bracket to the boiler.

Boiler controller PROMATIC® KXD10B

NEW



PROMATIC® KXD10B is a modern weather compensated boiler controller for heating and domestic hot water preparation.

KXD10B is the basic model which allows you to select between seven preset hydraulic schemes. For a quick and easy start, a start up wizard is installed, that guides us through the controller setting in only three steps. Unique is the interactive help with the Help button which shows us a handy guide and other important information about the system and controller operation. It is easily mounted and installed through a specially developed Seltron mounting Kit. The controller has a thermal fuse and contains all of safety measures for boiler and heating operation.

ORDERING CODES



Boiler controller PROMATIC® KXD10B
incl. 2xTF/Pt, 1xVF/Pt, 1xAF/Pt

Code: 2KXD10B2211-510

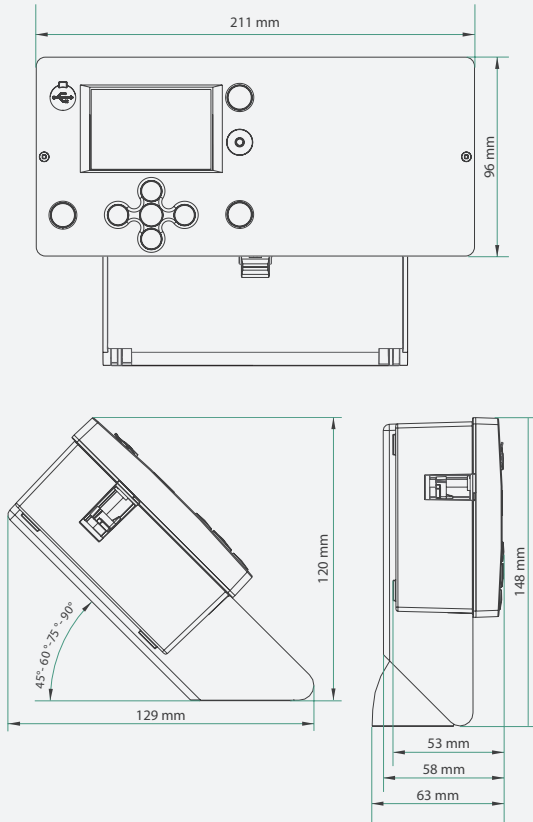
SELTRON SIMPLICITY SOLUTIONS

- 3 step setup wizard
 - System simulation
 - User Interactive Help
 - PC interface
- 14-language support
 - Error and malfunction notifications
 - Mixing or direct heating circuit control
 - 2 stage burner control
 - Integrated thermal fuse STB
 - LED indication of activated STB protection
 - Party, Eco, Holiday and One-time domestic hot water warming functions

FEATURES

Number of mechanical relays	7
Number of electronic relays	1
Number of temperature sensors	10
Number of hydraulic schemes	7
Number of heating circuits	max 1
- of which mixing circuits	1
- of which direct circuits	1
Program timer	✓
Number of connected DD2+ units	max 2
Switching between two boilers	✗
Room heating with heat pump	✗
D. h. w. warming with heat pump	✓
D. h. w. warming with sun collectors	✗
BUS	✓
Illuminated LCD display	✓
User functions Party, ECO, Holiday and instant d. h. w. warming	✓
Boost function for room heating	✓
Periodic pumps and valves start in inactive season	✓
Overheating protection for boiler, collectors and storage tank	✓
Option for remote control with telephone	✓
Antilegionella protection	✓
Frost protection	✓
Function for floor drying	✓
Overview of temperatures for current day	✓
Overview of temperature for more past days	✓
Error and high temperature warning	✓
Simulation of system operation	✓
Logging the changes of settings	✓
Free programming of outputs R0 (Circulation, bypass-pump, supply pump, electric heater, heat pump as an additional energy source).	✓
Integrated Thermal fuse STB	✓
LED indication of activated thermal protection STB	✓
Control of 2-stage burner	✓
USB connection to PC	✓

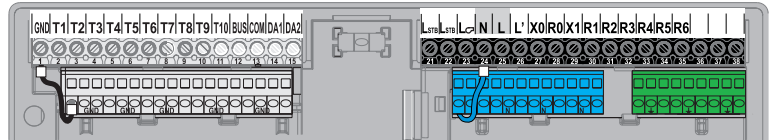
DIMENSIONS



TECHNICAL DATA

Power supply	230 V ~, 50 Hz
Consumption	5 VA
Consumption in standby	max. 0,5 W
Relay output	4(1) A ~, 230 V ~
Triac output	1(1) A ~, 230 V ~
Degree of protection	IP20 according to EN 60529
Safety Class	I according to EN 60730-1
Operation Type	1B acc. to EN 60730-1
Controller housing	PCASA - thermoplastics
Dimensions	211 x 96 x 53 (58) mm
Ambient temperature	5 °C ... +40 °C
Storage temperature	-20 °C ... +65 °C
Weight	996 g
Package unit	6 pcs

ELECTRICAL WIRING



Connector layout for wiring installation.

TEMPERATURE SENSORS



Surface sensor VF/Pt
Code: **1VFPT-000**



Immersion sensor TF/Pt
Code: **1TFPT-000**



Outside sensor AF/Pt
Code: **1AFPT-000**



Immersion sensor CF
Code: **1CFPT-000**



Room sensor PS10
Code: **2PS10PT-510**



Room unit DD2+
Code: **2DD2+-010**

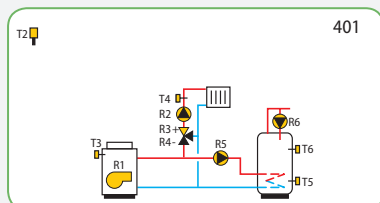


Actuator PROMIX® AVC05,
5Nm, 2 min., 230V
Code: **1AVC0532M210-030**

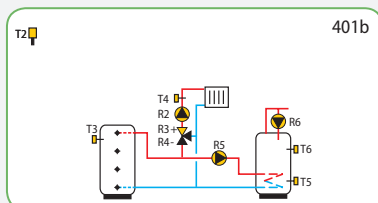


Actuator PROMIX® AVC05R,
5Nm, 2 min., 230V
Code: **1AVC0522M210-030**

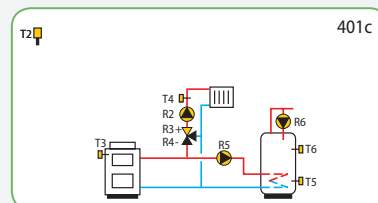
HYDRAULIC SCHEMES



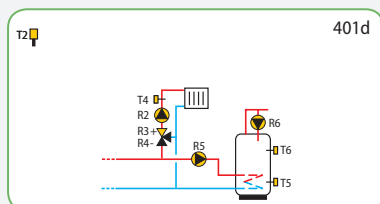
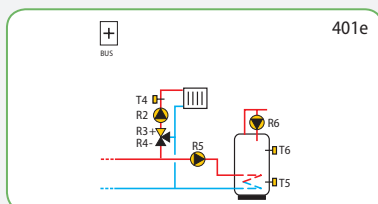
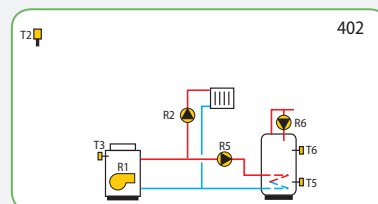
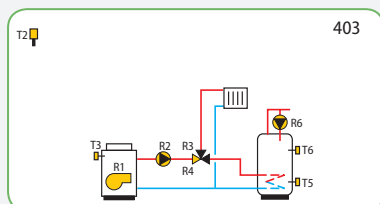
Oil boiler, mixing circuit, d. h. w. storage tank.



Heat accumulator, mixing circuit, d. h. w. storage tank.



Wood boiler, mixing circuit, d. h. w. storage tank.

System without boiler - mixing circuit,
d. h. w. storage tank.System expand - mixing circuit,
d. h. w. storage tank.Oil boiler, direct circuit,
d. h. w. storage tank.Oil boiler, direct circuit,
d. h. w. storage tank.



PROMATIC® KXD10 is a modern weather compensated boiler controller for heating, domestic hot water preparation and solar system control.

KXD10 is designed for advanced facilities and offers a selection between seventeen preset hydraulic schemes. For a quick and easy start, a start up wizard is installed, that guides us through the controller setting in only three or four steps. Unique is the interactive help with the Help button which shows us a handy guide and other important information about the system and controller operation.

It is easily mounted and installed through a specially developed Seltron mounting Kit. The controller has a thermal fuse and contains all of safety measures for boiler and heating operation.

ORDERING CODES



Boiler controller PROMATIC® KXD10
incl. 4xTF/Pt, 1xVF/Pt, 1xAF/Pt

Code: **2KXD102411-510**

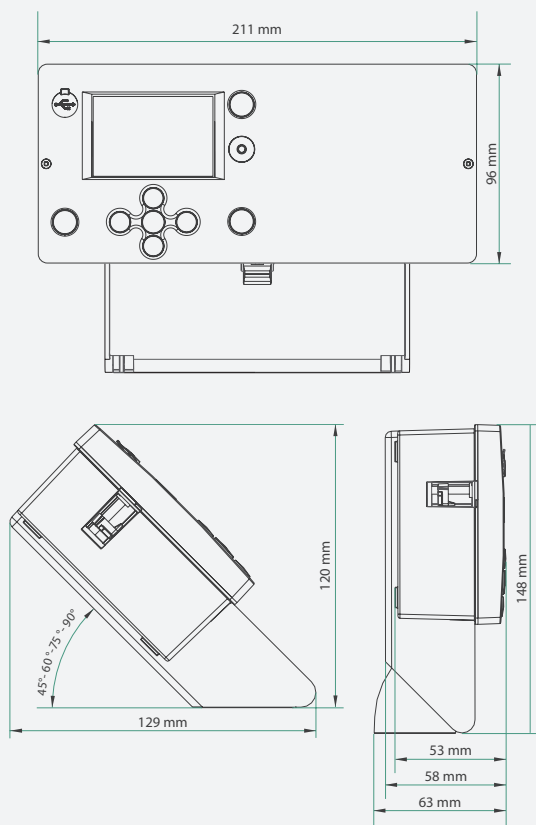
SELTRON SIMPLICITY SOLUTIONS

- 3 or 4 step setup wizard
 - System simulation
 - User Interactive Help
 - PC interface
- 14-language support
 - Error and malfunction notifications
 - Mixing and direct heating circuit control
 - 2 stage burner control
 - Solar controller for d. h. w. warming
 - Integrated thermal fuse STB
 - LED indication of activated STB protection
 - Party, Eco, Holiday and One-time domestic hot water warming functions

FEATURES

Number of mechanical relays	8
Number of electronic relays	1
Number of temperature sensors	10
Number of hydraulic schemes	17
Number of heating circuits	max 2
- of which mixing circuits	1
- of which direct circuits	1
Program timer	✓
Number of connected DD2+ units	max 2
Switching between two boilers	x
Room heating with heat pump	✓
D. h. w. warming with heat pump	✓
D. h. w. warming with sun collectors	✓
BUS	✓
Illuminated LCD display	✓
User functions Party, ECO, Holiday and instant d. h. w. warming	✓
Boost function for room heating	✓
Periodic pumps and valves start in inactive season	✓
Overheating protection for boiler, collectors and storage tank	✓
Option for remote control with telephone	✓
Antilegionella protection	✓
Frost protection	✓
Function for floor drying	✓
Overview of temperatures for current day	✓
Overview of temperature for more past days	✓
Error and high temperature warning	✓
Simulation of system operation	✓
Logging the changes of settings	✓
Free programming of outputs R0 and R9 (Circulation, differential thermostat, bypass-pump, supply pump, electric heater, heat pump as an additional energy source).	✓
Integrated Thermal fuse STB	✓
LED indication of activated thermal protection STB	✓
Control of 2-stage burner	✓
USB connection to PC	✓

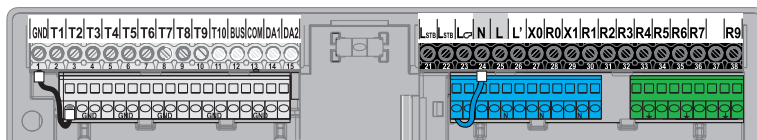
DIMENSIONS



TECHNICAL DATA

Power supply	230 V ~, 50 Hz
Consumption	5 VA
Consumption in standby	max. 0,5 W
Relay output	4(1) A ~, 230 V ~
Triac output	1(1) A ~, 230 V ~
Degree of protection	IP20 according to EN 60529
Safety Class	I according to EN 60730-1
Operation Type	1B acc. to EN 60730-1
Controller housing	PCASA - thermoplastics
Dimensions	211 x 96 x 53 (58) mm
Ambient temperature	5 °C ... +40 °C
Storage temperature	-20 °C ... +65 °C
Weight	996 g
Package unit	6 pcs

ELECTRICAL WIRING



Connector layout for wiring installation.

TEMPERATURE SENSORS



Surface sensor VF/Pt

Code: 1VFPT-000



Immersion sensor TF/Pt

Code: 1TFPT-000



Outside sensor AF/Pt

Code: 1AFPT-000



Immersion sensor CF

Code: 1CFPT-000



Room sensor PS10

Code: 2PS10PT-510



Room unit DD2+

Code: 2DD2+-010



Actuator PROMIX® AVC05,
5Nm, 2 min., 230V

Code: 1AVC0532M210-030

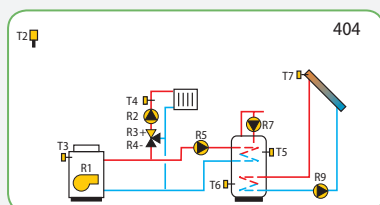


Actuator PROMIX® AVC05R,
5Nm, 2 min., 230V

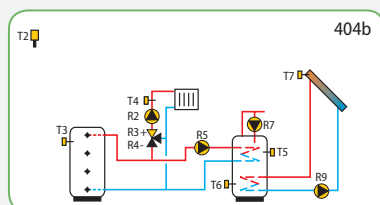
Code: 1AVC0522M210-030

HYDRAULIC SCHEMES

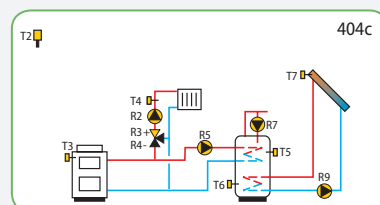
The controller also includes the hydraulic schemes from lower model KXD10B.



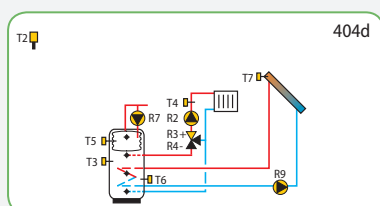
Oil boiler, mixing circuit,
d. h. w. storage tank, solar collectors.



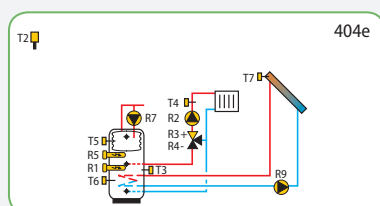
Heat accumulator, mixing circuit,
d. h. w. storage tank, solar collectors.



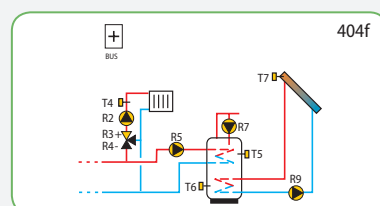
Wood boiler, mixing circuit,
d. h. w. storage tank, solar collectors.



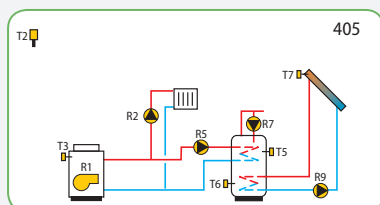
Heat accumulator with built-in storage tank,
mixing circuit, solar collectors.



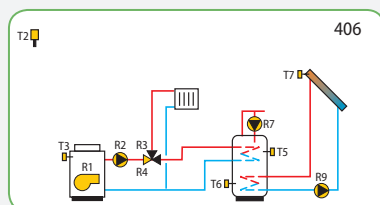
Heat accumulator with built-in storage tank, mixing
circuit, auxiliary heating with electricity, solar collectors.



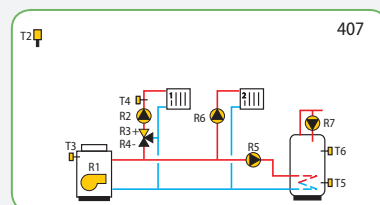
System expand - mixing circuit,
d. h. w. storage tank, solar collectors.



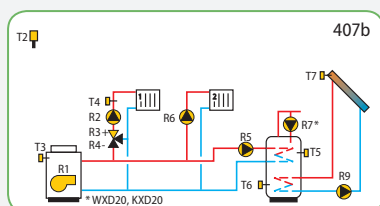
Oil boiler, direct circuit, d. h. w. storage tank,
solar collectors.



Oil boiler, direct circuit, d. h. w. storage tank,
solar collectors.



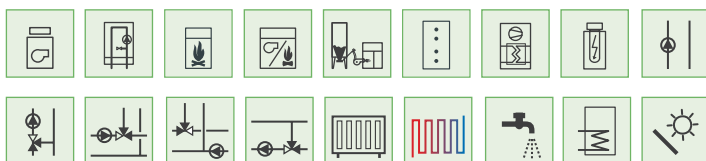
Oil boiler, direct circuit, mixing circuit,
d. h. w. storage tank, solar collectors.



Oil boiler, mixing and direct circuit,
d. h. w. storage tank, solar collectors.

Boiler controller PROMATIC® KXD20

NEW



PROMATIC® KXD20 is a modern weather compensated boiler controller for one or two mixing heating circuits, for domestic hot water warming with boiler and solar system and controls up to two heating sources.

KXD20 is designed for advanced facilities and offers a selection between fifty-two preset hydraulic schemes. For a quick and easy start, a start up wizard is installed, that guides us through the controller setting in only three or four steps. Unique is the interactive help with the Help button which shows us a handy guide and other important information about the system and controller operation.

It is easily mounted and installed through a specially developed Seltron mounting Kit. The controller has a thermal fuse and contains all of safety measures for boiler and heating operation.

ORDERING CODES



Boiler controller PROMATIC® KXD20
incl. 4xTF/Pt, 1xVF/Pt, 1xAF/Pt

Code: 2KXD202411-510

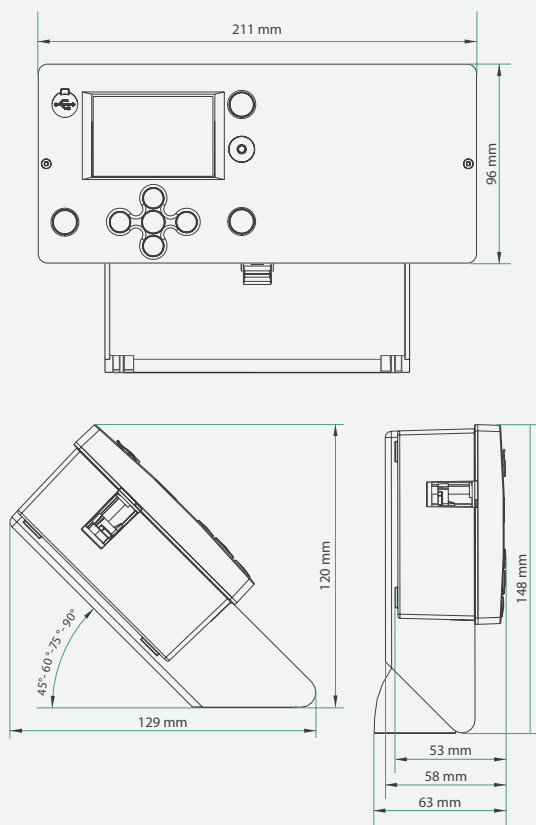
SELTRON SIMPLICITY SOLUTIONS

- 3 or 4 step setup wizard
 - System simulation
 - User Interactive Help
 - PC interface
- 14-language support
 - Error and malfunction notifications
 - 2 x mixing heating circuit control
 - 2 stage burner control
 - Control up to two heat sources
 - Solar controller for d. h. w. warming
 - Integrated thermal fuse STB
 - LED indication of activated STB protection
 - Party, Eco, Holiday and One-time domestic hot water warming functions

FEATURES

Number of mechanical relays	9
Number of electronic relays	1
Number of temperature sensors	10
Number of hydraulic schemes	52
Number of heating circuits	max 2
- of which mixing circuits	2
- of which direct circuits	1
Program timer	✓
Number of connected DD2+ units	max 2
Switching between two boilers	✓
Room heating with heat pump	✓
D. h. w. warming with heat pump	✓
D. h. w. warming with sun collectors	✓
BUS	✓
Illuminated LCD display	✓
User functions Party, ECO, Holiday and instant d. h. w. warming	✓
Boost function for room heating	✓
Periodic pumps and valves start in inactive season	✓
Overheating protection for boiler, collectors and storage tank	✓
Option for remote control with telephone	✓
Antilegionella protection	✓
Frost protection	✓
Function for floor drying	✓
Overview of temperatures for current day	✓
Overview of temperature for more past days	✓
Error and high temperature warning	✓
Simulation of system operation	✓
Logging the changes of settings	✓
Free programming of outputs R0 and R9 (Circulation, differential thermostat, bypass-pump, supply pump, electric heater, heat pump as an additional energy source).	✓
Integrated Thermal fuse STB	✓
LED indication of activated thermal protection STB	✓
Control of 2-stage burner	✓
USB connection to PC	✓

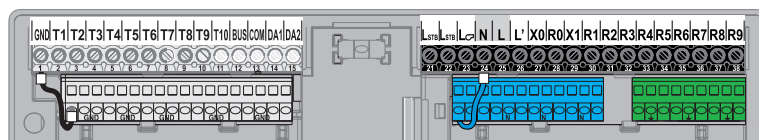
DIMENSIONS



TECHNICAL DATA

Power supply	230 V ~, 50 Hz
Consumption	5 VA
Consumption in standby	max. 0,5 W
Relay output	4(1) A ~, 230 V ~
Triac output	1(1) A ~, 230 V ~
Degree of protection	IP20 according to EN 60529
Safety Class	I according to EN 60730-1
Operation Type	1B acc. to EN 60730-1
Controller housing	PCASA - thermoplastics
Dimensions	211 x 96 x 53 (58) mm
Ambient temperature	5 °C ... +40 °C
Storage temperature	-20 °C ... +65 °C
Weight	996 g
Package unit	6 pcs

ELECTRICAL WIRING



Connector layout for wiring installation.

TEMPERATURE SENSORS



Surface sensor VF/Pt
Code: **1VFPT-000**



Immersion sensor TF/Pt
Code: **1TFPT-000**



Outside sensor AF/Pt
Code: **1AFPT-000**



Immersion sensor CF
Code: **1CFPT-000**



Room sensor PS10
Code: **2PS10PT-510**



Room unit DD2+
Code: **2DD2+-010**



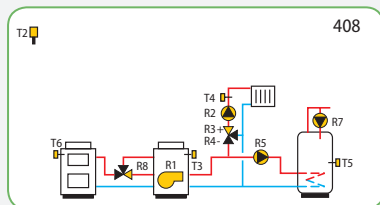
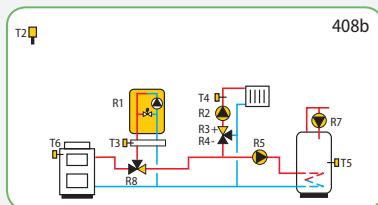
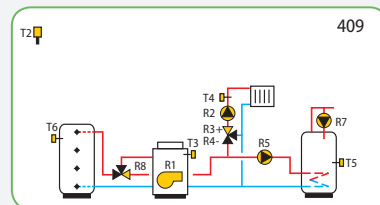
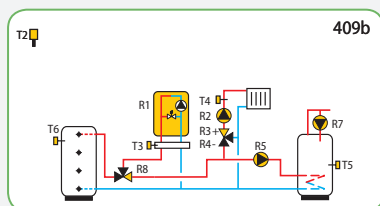
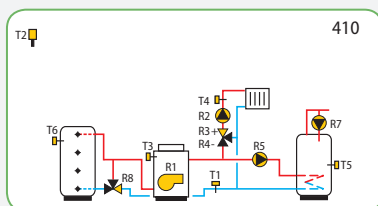
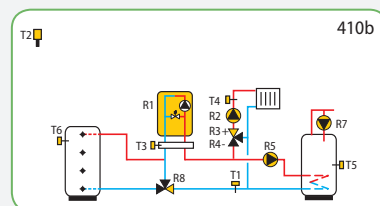
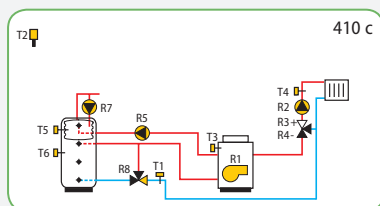
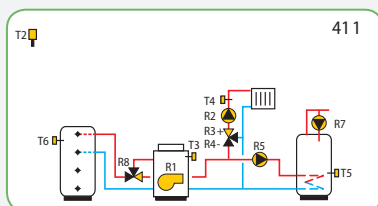
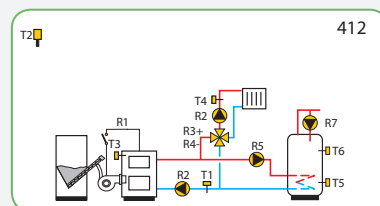
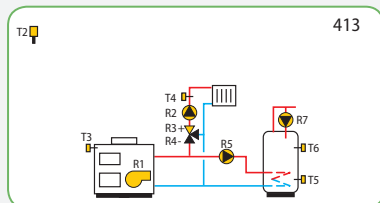
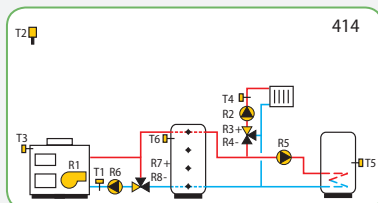
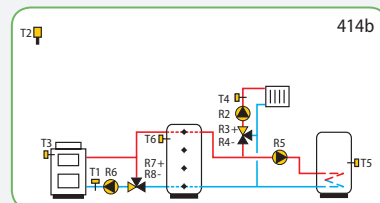
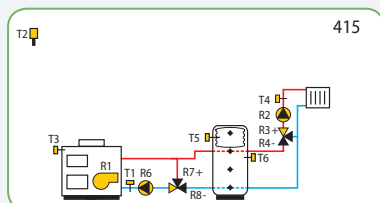
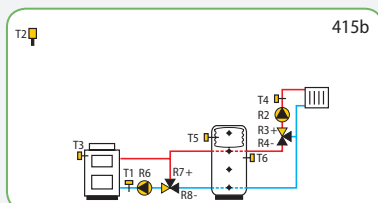
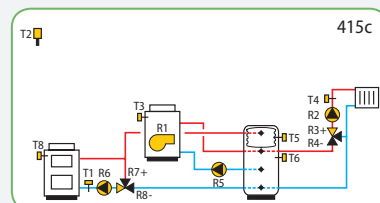
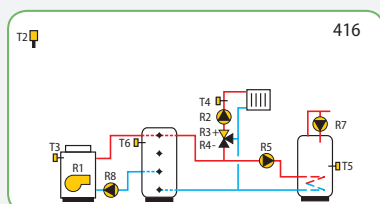
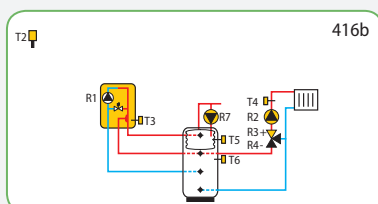
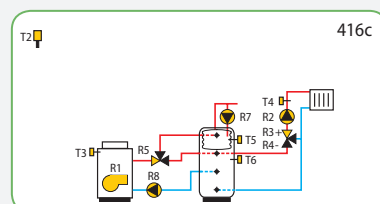
Actuator PROMIX® AVC05,
5Nm, 2 min., 230V
Code: **1AVC0532M210-030**



Actuator PROMIX® AVC05R,
5Nm, 2 min., 230V
Code: **1AVC0522M210-030**

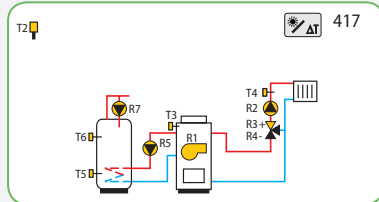
HYDRAULIC SCHEMES

The controller also includes the hydraulic schemes from lower models KXD10B and KXD10.

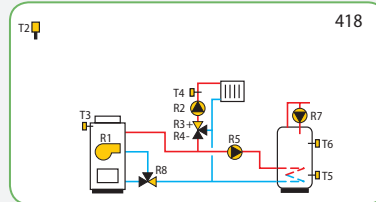
Wood boiler, oil boiler, mixing circuit,
d. h. w. storage tank.Wood boiler, gas boiler, mixing circuit,
d. h. w. storage tank.Heat accumulator, oil boiler, mixing circuit,
d. h. w. storage tank.Heat accumulator, gas boiler, mixing circuit,
d. h. w. storage tank.Heat accumulator, oil boiler, mixing circuit,
d. h. w. storage tank.Heat accumulator, gas boiler, mixing circuit,
d. h. w. storage tank.Heat accumulator with built-in d. h. w. storage tank,
oil boiler, mixing circuit.Heat accumulator, oil boiler, mixing circuit,
d. h. w. storage tank.Pellet boiler, mixing circuit,
d. h. w. storage tank.Combined (wood/oil) boiler, mixing circuit,
d. h. w. storage tank.Combined (wood/oil) boiler, heat accumulator,
mixing circuit, d. h. w. storage tank.Wood boiler, heat accumulator, mixing circuit,
d. h. w. storage tank.Combined (wood/oil), heat accumulator with built-in
d. h. w. storage tank, mixing circuit.Wood boiler, heat accumulator with built-in
d. h. w. storage tank, mixing circuit.Wood boiler, oil boiler, heat accumulator, mixing circuit,
d. h. w. storage tank.Oil boiler, heat accumulator, mixing circuit,
d. h. w. storage tank.Gas boiler, heat accumulator with built-in
d. h. w. storage tank, mixing circuit.Oil boiler, heat accumulator with built-in
d. h. w. storage tank, mixing circuit.

HYDRAULIC SCHEMES

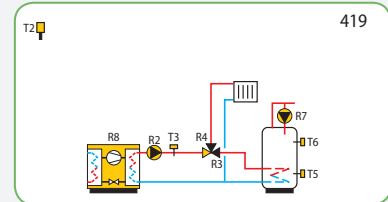
The controller also includes the hydraulic schemes from lower models KXD10B and KXD10.



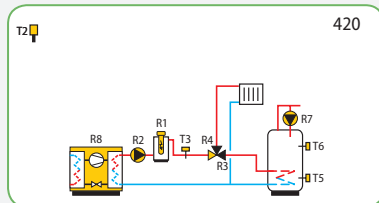
Combined (wood/oil) boiler,
d. h. w. storage tank, mixing circuit.



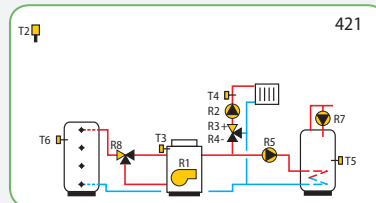
Combined (wood/oil) boiler, mixing circuit,
d. h. w. storage tank.



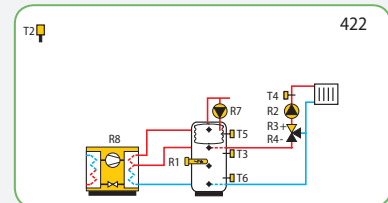
Heat pump, direct circuit, d. h. w. storage tank.



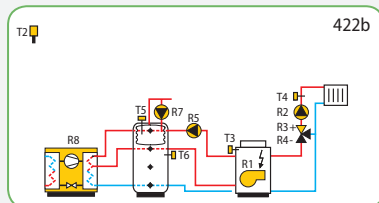
Heat pump, heating support with electricity,
direct circuit, d. h. w. storage tank.



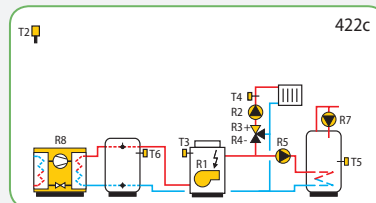
Oil boiler, heat accumulator, mixing circuit,
d. h. w. storage tank.



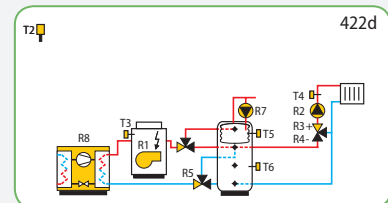
Heat pump, direct circuit, d. h. w. storage tank.



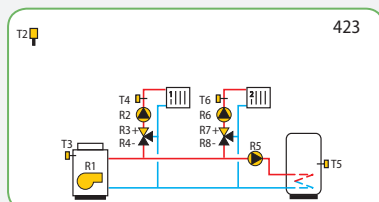
Heat pump, direct circuit, d. h. w. storage tank,
solar collectors.



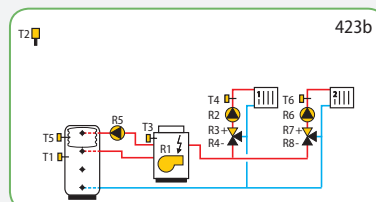
Heat pump, heating support with electricity,
direct circuit, d. h. w. storage tank.



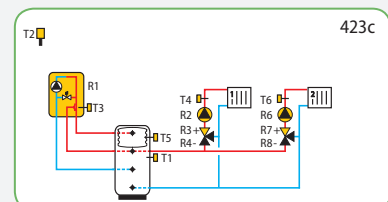
Heat pump, combined (oil/electricity) boiler,
heat accumulator with built-in d. h. w. storage tank,
mixing circuit.



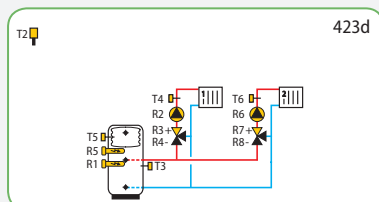
Oil boiler, 2x mixing circuit, d. h. w. storage tank.



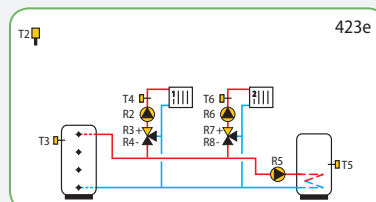
Combined (oil/electricity) boiler, heat accumulator with
built-in d. h. w. storage tank, 2x mixing circuit.



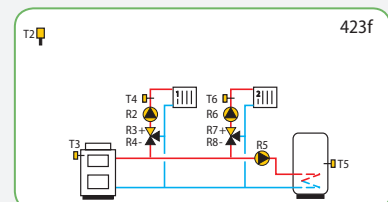
Gas boiler, heat accumulator with built-in
d. h. w. storage tank, 2x mixing circuit.



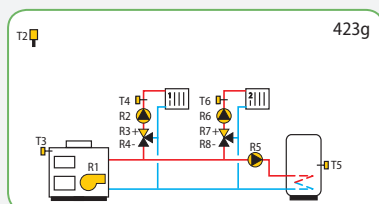
Heat accumulator with built-in d. h. w. storage tank,
auxiliary heating with electricity, 2x mixing circuit.



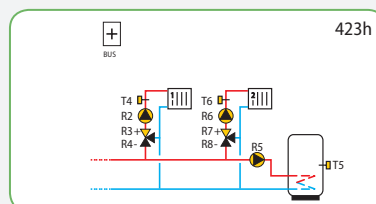
Heat accumulator, 2x mixing circuit,
d. h. w. storage tank.



Wood boiler, 2x mixing circuit,
d. h. w. storage tank.



Combined (wood/oil) boiler, 2x mixing circuit,
d. h. w. storage tank.



System expand, 2x mixing circuit,
d. h. w. storage tank.

PDF



Constant temperature controllers **PROMATIC® ACC**



PROMATIC® ACC are modern and precise microprocessor-controlled constant temperature PID controllers. They are distinguished by a compact design, fast installation, ease of use and reliability.

Constant temperature controller PROMATIC® ACC10

NEW


Compact controller PROMATIC® ACC10 is designed to control a constant stand and return pipe temperature. It is built into the housing of an actuator. It is used for controlling the return temperature of solid fuel boilers, or filling the storage tank, to control the supply temperature for swimming pools and other heating or cooling systems.

Controller ACC10 is simple to install and use. The settings are done by means of capacitive keypad that is resistant to mechanical impacts, moisture and dust.

ORDERING CODE



Constant temperature controller
PROMATIC® ACC10 incl. 1 x TF/Pt
Code: **1ACC101-NN0**

SELTRON SIMPLICITY SOLUTIONS

- Precise PID control
- Digital setting

- Built-in actuator
- Fits on more than 20 different valves
- LED temperature display
- Capacitive keypad for settings and indication LEDs for rotation direction

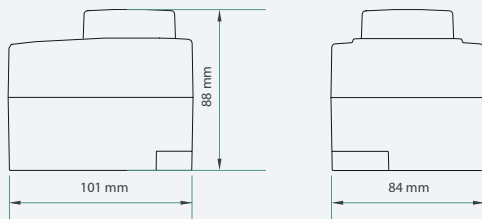
FEATURES

Temperature setting range	0 - 99 °C
Display of actual temperature	✓
Selection of opening direction	✓
Selection of controller sensitivity	✓
Heating or cooling operation mode	✓
Possibility to adjust mixing valve control (PID)	✓
Possibility to adjust pump operation mode	✗
Auxiliary sensor for heat source temperature	✗
Control of circulation pump	✗
Indication of valve turning direction	✓
Indication of pump operation	✗
Installation sets for many mixing valves	✓
Running torque 6 Nm	✓
Running speed 2 minutes	✓

TECHNICAL DATA

Torque	6 Nm
Running angle	90 <°
Running speed	120 s / 90 °C
Operation mode	3-point, PID
Relay output	None
Consumption	< 4 VA
Consumption in standby	max. 0,5 W
Degree of Protection	IP42 by EN 60529
Safety class	I by EN 60730-1
Operation Type	1B acc. to EN 60730-1
Color / material	Dark grey - transparent
Dimensions (w × l × h)	84 × 101 × 88 mm
Ambient temperature	0 ÷ 50 °C
Storage temperature	-20 ÷ 65 °C
Weight	900 g
Package unit	30 pcs

DIMENSIONS



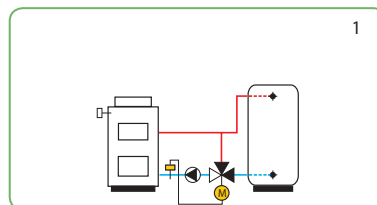
COMPATIBLE WITH MIXING VALVES

Controller ACC10 can be mounted on a very wide range of mixing valves from different manufacturers. For this purpose various installation sets are available.

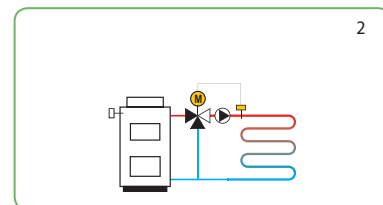


CODE	MANUFACTURER
1ASCAVMSA000+NN0	Esbe, Afriso, WIP, Hora, BRV, Acaso, IVAR, Seltron, IMIT, IMP...
1ASCAVMSG000+NN0	Esbe VRG
1ASCAVMS000+NN0	Centra ZR/DR
1ASCAVMSD000+NN0	Centra DRU
1ASCAVMSE000+NN0	Siemens VBI, VBF
1ASCAVMSF000+NN0	Wita, Meibes
1ASCAVMSJ000+NN0	PAW, K32, K33, K34
1ASCAVMSI000+NN0	Honeywell V544.. / V543..

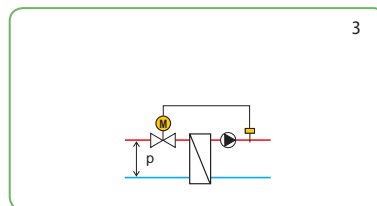
HYDRAULIC SCHEMES



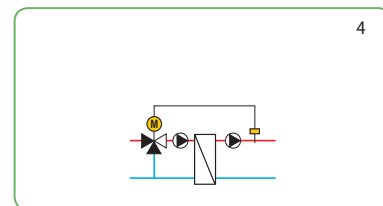
Solid fuel boiler, heat accumulator, constant return-pipe temperature control



Boiler, mixing heating circuit, constant stand-pipe temperature control

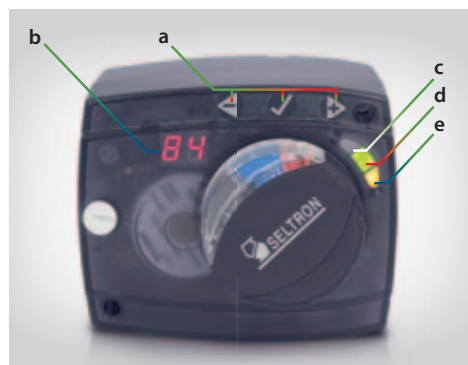


Heat exchanger, constant stand-pipe temperature control



Heat exchanger, constant stand-pipe temperature control

APPEARANCE



- a - Keypad
- b - LED display for indication of actual temperature and easy controller setup
- c - Indication of left turning direction
- d - Indication of pump operation (ACC20 only)
- e - Indication of right turning direction

TEMPERATURE SENSORS



Immersion sensor TF/Pt
Code: 1TFPT-000

Constant temperature controller PROMATIC® ACC20

NEW


Compact controller PROMATIC® ACC20 is designed to control a constant stand and return pipe temperature. It is built into the housing of an actuator. It is used for controlling the return temperature of solid fuel boilers, or filling the storage tank, to control the supply temperature for swimming pools and other heating or cooling systems. The controller also controls the circulation pump.

Controllers ACC20 are simple to install and use. The settings are done by means of capacitive keypad that is resistant to mechanical impacts, moisture and dust.

ORDERING CODE



Constant temperature controller
PROMATIC® ACC20 incl. 2 x TF/Pt

Code: **1ACC2011-NN0**

SELTRON SIMPLICITY SOLUTIONS

- Precise PID control
- Digital setting

- Built-in actuator
- Control of circulation pump
- Fits on more than 20 different valves
- LED temperature display
- Capacitive keypad for settings and indication
- LEDs for rotation direction

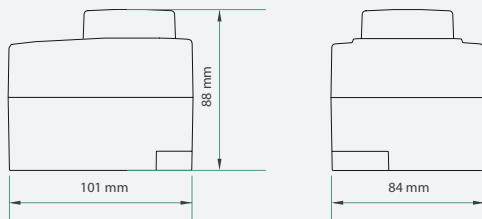
FEATURES

Temperature setting range	0 - 99 °C
Display of actual temperature	✓
Selection of opening direction	✓
Selection of controller sensitivity	✓
Heating or cooling operation mode	✓
Possibility to adjust mixing valve control (PID)	✓
Possibility to adjust pump operation mode	✓
Auxiliary sensor for heat source temperature	✓
Control of circulation pump	✓
Indication of valve turning direction	✓
Indication of pump operation	✓
Installation sets for many mixing valves	✓
Running torque 6 Nm	✓
Running speed 2 minutes	✓

TECHNICAL DATA

Torque	6 Nm
Running angle	90 <°
Running speed	120 s / 90 °C
Operation mode	3-point, PID
Relay output	None
Consumption	< 4VA
Consumption in standby	max. 0,5 W
Degree of Protection	IP42 by EN 60529
Safety class	I by EN 60730-1
Operation Type	1B acc. to EN 60730-1
Color / material	Dark grey - transparent
Dimensions (w × l × h)	84 × 101 × 88 mm
Ambient temperature	0 ÷ 50 °C
Storage temperature	-20 ÷ 65 °C
Weight	1.000 g
Package unit	30 pcs

DIMENSIONS



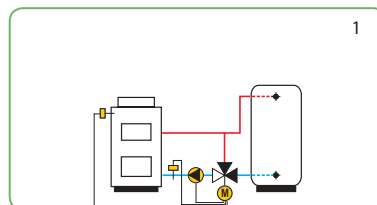
COMPATIBLE WITH MIXING VALVES

Controller ACC can be mounted on a very wide range of mixing valves from different manufacturers. For this purpose various installation sets are available.

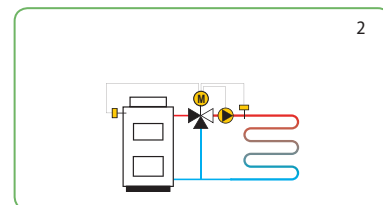


CODE	MANUFACTURER
1ASCAVMSA000+NNO	Esbe, Afriso, WIP, Hora, BRV, Acaso, IVAR, Seltron, IMIT, IMP...
1ASCAVMSG000+NNO	Esbe VRG
1ASCAVMS000+NNO	Centra ZR/DR
1ASCAVMSD000+NNO	Centra DRU
1ASCAVMSE000+NNO	Siemens VBI, VBF
1ASCAVMSF000+NNO	Wita, Meibes
1ASCAVMSJ000+NNO	PAW, K32, K33, K34
1ASCAVMSI000+NNO	Honeywell V544.. / V543..

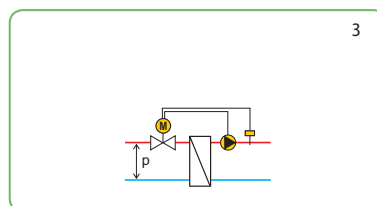
HYDRAULIC SCHEMES



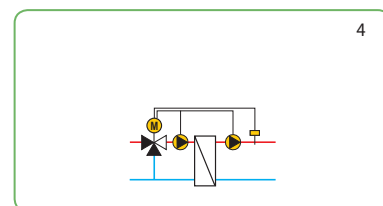
Solid fuel boiler, heat accumulator, constant return-pipe temperature control



Boiler, mixing heating circuit, constant stand-pipe temperature control

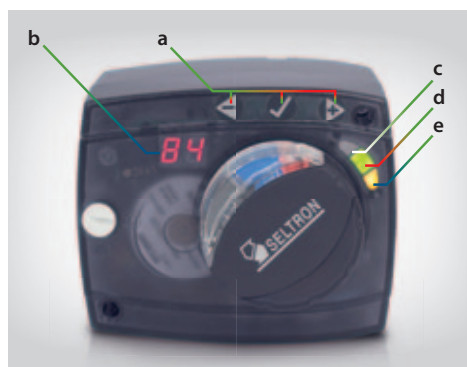


Heat exchanger, constant stand-pipe temperature control



Heat exchanger, constant stand-pipe temperature control

APPEARANCE



- a - Keypad
- b - LED display for indication of actual temperature and easy controller setup
- c - Indication of left turning direction
- d - Indication of pump operation (ACC20 only)
- e - Indication of right turning direction

TEMPERATURE SENSORS



Immersion sensor TF/Pt
Code: 1TFPT-000

PDF



NEW

Constant temperature controllers **PROMATIC® SCC**



PROMATIC® SCC are modern and precise microprocessor-controlled constant temperature PID controllers. They are distinguished by ease of use and reliability. They allow the measurement of the boilers power and measurement of gained energy. Using the Selcontrol software, the controllers can be connected to a PC, which allows changing of all settings and the simulation of controller operation.

Constant temperature controller PROMATIC® SCC30

NEW


PROMATIC® SCC30 is a powerful controller for constant temperature. It is intended for constant boiler return-pipe temperature control and storage tank loading. SCC30 controller is applicable for all kind of solid fuel boiler systems as well as for pellet boiler systems. The controller also controls the circulation pump and a pellet boiler. SCC30 controller is simple to install and use. The settings are made through a commissioning wizard and a graphical interface.

ORDERING CODE



Constant temperature controller
PROMATIC® SCC30 incl. 3 x TF/Pt

Code: **2SCC3030-010**

SELTRON SIMPLICITY SOLUTIONS

- 2 step setup wizard
- System simulation
- User Interactive Help
- PC interface

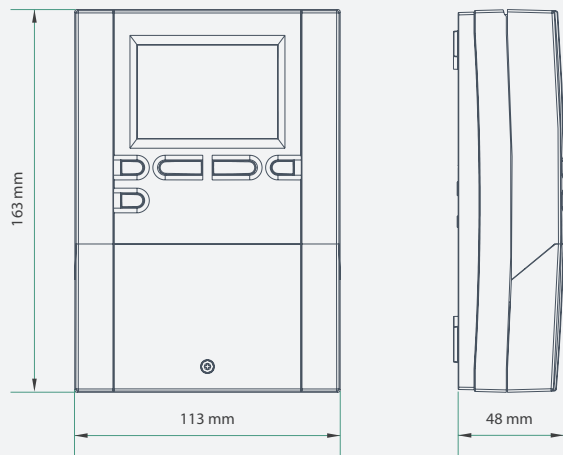
- Possibility of power measuring of boiler
- Gained Energy measurement
- Control of pellet boiler
- Adjustable return pipe temperature
- Time programs
- The possibility of free programming

FEATURES

Number of mechanical relays	2
Number of electronic relays	2
Number of temperature sensors	7
Number of hydraulic schemes	2
Number of storage tanks	1
2-phase storage tank loading	x
Illuminated LCD display	✓
Heat metering (kWh)	✓
Heat metering with flow sensor impulse type (l/min)	✓
Pump speed control (RPM)	✓
Graphic overview of temperatures and acquired energy	✓
Error and high temperature warning	✓
Simulation of system operation	✓
Operation time counter	✓
Datalogger function	✓
Program timer	✓
Possibility of free programming	max. 1 output
Possibility of connection with PC	✓

*Number of free programmable outputs depends on selected scheme.

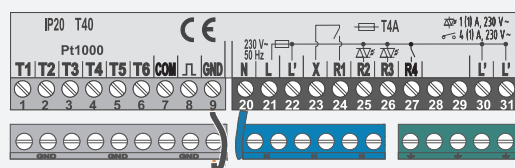
DIMENSIONS



TECHNICAL DATA

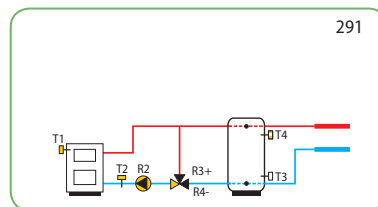
Power supply	230 V ~, 50 Hz
Consumption	< 4 VA
Consumption in standby	max. 0,5 W
Inputs	KTD (Pt 1000, KTY10) 1 x pulse input
Relay output	4 (1) A ~, 230 V ~
Triac output	1 (1) A ~, 230 V ~
Clock backup	Battery CR2032 (Li - Mn) 3 V
Clock accuracy	+/- 1 s (24 h) by 20 °C
Degree of protection	IP20 / EN60529
Safety Class	I according to EN 60730-1
Operation Type	1B acc. to EN 60730-1
Controller housing	ASA - thermoplastics
Dimensions (w x l x h)	113 x 163 x 48 mm
Ambient temperature	0 ÷ 40 °C
Storage temperature	-20 ÷ 65 °C
Weight	390 g
Package unit	12 pcs

ELECTRICAL WIRING

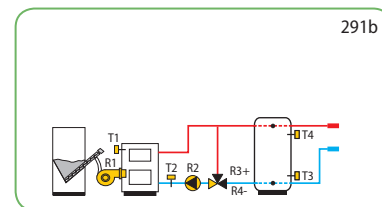


Connector layout for wiring installation.

HYDRAULIC SCHEMES

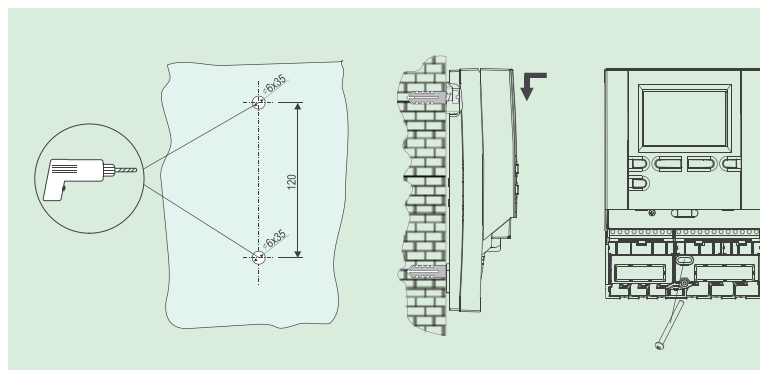


Solid fuel boiler, heat accumulator,
constant return-pipe temperature control



Pellet boiler, heat accumulator,
constant return-pipe temperature control

CONTROLLER MOUNTING



The controller PROMATIC® SCC is mounted on the wall in boiler room.

TEMPERATURE SENSORS, ACTUATORS



Surface sensor VF/Pt
Code: 1VFPT-000



Immersion sensor TF/Pt
Code: 1TFPT-000



Actuator PROMIX® AVC05
Code: 1AVC0532M210-030



Actuator PROMIX® AVC05R,
5Nm, 2 min., 230V
Code: 1AVC0522M210-030



Flowmeter SVC25
Code: 1SVC25+NN0

Constant temperature controller PROMATIC® SCC40

NEW


PROMATIC® SCC40 is a powerful controller for constant temperature. It is intended for constant boiler return-pipe temperature control and for 2-phased storage tank loading. The function of 2-phase storage tank loading enables quick energy gain at boiler startup and consequentially a quick startup of heating system. SCC40 controller is applicable for all kind of solid fuel boiler systems as well as for pellet boiler systems. It can manage a layered storage tank loading. Function of layered storage tank loading enables quick energy gain at boiler startup and consequentially quick startup of heating system. SCC40 controller is simple to install and use. The settings are made through a commissioning wizard and a graphical interface.

ORDERING CODE



Constant temperature controller
PROMATIC® SCC40 incl. 3 x TF/Pt
Code: **2SCC4030-010**

SELTRON SIMPLICITY SOLUTIONS

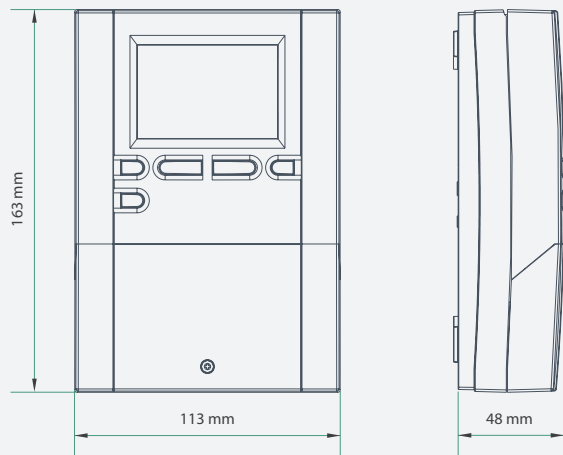
- 2 step setup wizard
- System simulation
- User Interactive Help
- PC interface

- Possibility of power measuring of boiler
- Gained Energy measurement
- Control of pellet boiler
- Adjustable return pipe temperature
- Holiday mode
- Program timer
- The possibility of free programming

FEATURES

Number of mechanical relays	4
Number of electronic relays	2
Number of temperature sensors	7
Number of hydraulic schemes	4
Number of storage tanks	1
Layered storage tank loading	✓
Illuminated LCD display	✓
Heat metering (kWh)	✓
Heat metering with flow sensor impulse type (l/min)	✓
Pump speed control (RPM)	✓
Graphic overview of temperatures and acquired energy	✓
Error and high temperature warning	✓
Simulation of system operation	✓
Operation time counter	✓
Datalogger function	✓
Holiday mode	✓
Program timer	✓
Possibility of free programming	max. 3 outputs
Possibility of connection with PC	✓

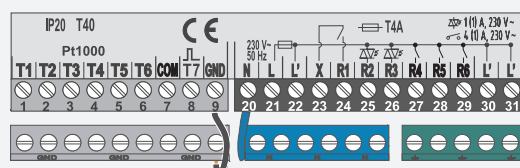
DIMENSIONS



TECHNICAL DATA

Power supply	230 V ~, 50 Hz
Consumption	< 4 VA
Consumption in standby	max. 0,5 W
Inputs	RTD (Pt 1000, KTY10) 1 x pulse input
Relay output	4 (1) A ~, 230 V ~
Triac output	1 (1) A ~, 230 V ~
Clock backup	Battery CR2032 (Li - Mn) 3 V
Clock accuracy	+/- 1 s (24 h) by 20 °C
Degree of protection	IP20 / EN60529
Safety Class	I according to EN 60730-1
Operation Type	1B acc. to EN 60730-1
Controller housing	ASA - thermoplastics
Dimensions (w × l × h)	113 x 163 x 48 mm
Ambient temperature	0 ÷ 40 °C
Storage temperature	-20 ÷ 65 °C
Weight	391 g
Package unit	12 pcs

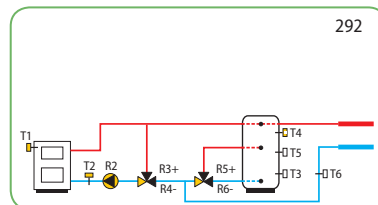
ELECTRICAL WIRING



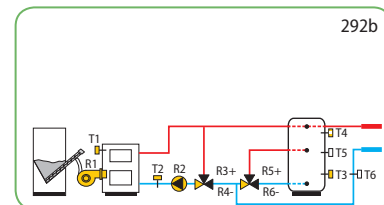
Connector layout for wiring installation.

HYDRAULIC SCHEMES

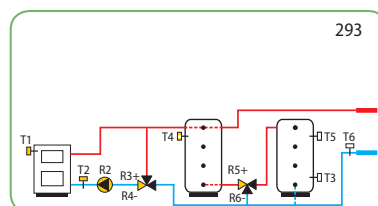
The controller also includes the hydraulic schemes from lower model SCC30.



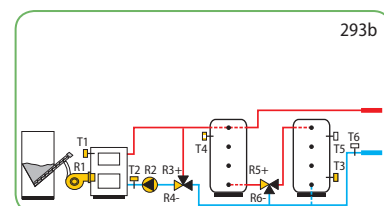
Solid fuel boiler, heat accumulator,
constant return-pipe temperature control



Pellet boiler, heat accumulator,
constant return-pipe temperature control

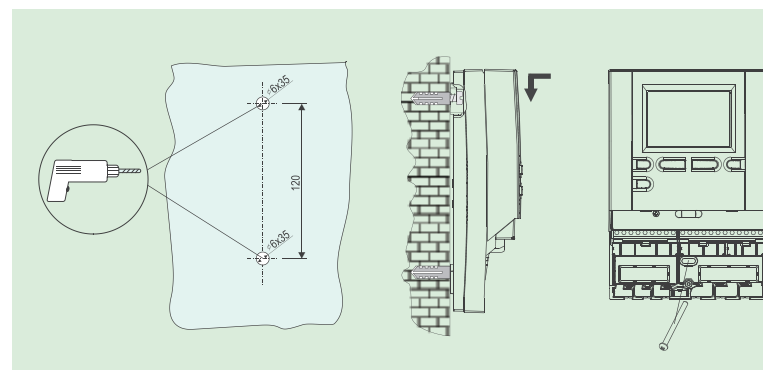


Solid fuel boiler, heat accumulator, constant return-pipe
temperature control, staged tank loading



Pellet boiler, heat accumulator, constant return-pipe
temperature control, staged tank loading

CONTROLLER MOUNTING



The controller PROMATIC® SCC is mounted on the wall in boiler room.

TEMPERATURE SENSORS, ACTUATORS



Surface sensor VF/Pt
Code: 1VFPT-000



Immersion sensor TF/Pt
Code: 1TFPT-000



Actuator PROMIX® AVC05
Code: 1AVC0532M210-030



Actuator PROMIX® AVC05R,
5Nm, 2 min., 230V
Code: 1AVC0522M210-030



Flowmeter SVC25
Code: 1SVC25+NN0

PDF



Software SELCONTROL



SELCONTROL is connection interface and software for control Seltron controllers of third generation by using a personal computer or laptop. By connecting the controllers to personal computer we collect a bunch of new features and a completely new dimension in the management, control and rationalization of heating of the individual and public facilities.

Software SELCONTROL



The program needs to be installed on your personal computer, which then communicates with controller through cable via USB port. The connection should be made with COM port on controller, which is used for connection of digital room unit by weather compensated heating controllers.

ORDERING CODE



Software Selcontrol set includes:

- USB cable and interface for connection with the PC,
- USB key with PC software,
- Installation manual.

Code: **1PCC1-NN0**

FEATURES

- Display of selected mode for each heating circle
- Changing of operation mode and requested temperature for each heating circle
- Activation of Party, Eco and Holiday mode of operation
- Review of all measured, calculated and requested temperatures
- Display of all outputs
- Display of selected hydraulic scheme
- Display and logging of all temperatures and settings of relays in interactive graph
- Option of logging all data regarding operation of the controller in the selected folder
- Option of temperature simulation for all temperature sensors
- Option of multiplying saved settings to other controllers
- Option of review and changing the settings of all time programs
- Option of review and changing the settings for all parameters in controller

SYSTEM REQUIREMENTS

Operating system:

Windows XP, Service Pack 3,
Windows Vista, Service Pack 2,
Windows 7, Service Pack 1.



Hardware, min. requirement:

Pentium III, 600 MHz.

Supported controllers:

- SGC14, SGC26 in SGC36:
- software version V3.1 or later.
- SGC67, SCC30 in SCC40:
- software version V1.0 or later.
- WDC10B, WDC10 in WDC20:
- software version V3.1 or later.
- CMP25-2:
- software version V3.1 or later.
- WXD10B, KXD10 in KXD20:
- software version V1.0 or later.
- KXD10B, KXD10 in KXD20:
- software version V1.0 or later.

PDF



Room units and temperature sensors



Room units are a comfortable way to control your heating system out of room. In combination with our Heating controllers they round up the comfort to the highest level.

Digital room unit DD2+



Room unit DD2+ is a modern and powerful device designed to control the central heating out of the living room. It operates in combined with the new generation of heating controllers PROMATIC® WDC and CMP25-2.

ORDERING CODE



Room unit DD2+
Code: **2DD2+-010**

1 ROOM UNIT, 3 POSSIBILITIES

- Compatible with PROMATIC® WDC
- Compatible with PROMATIC® CMP25-2

- Operation mode selection
- Set day and night temperature
- Party and Eco function with duration time

FEATURES

Day and night temperatures setting
Desired temperature setting with a button
Display of actual and set temperature
Possibility to set of holiday mode with the length of up to 99 days
Possibility to connect additional temperature sensor
Optional remote activation over the phone
Locking the keyboard and the temperature adjust button
Choice of keyboard and knob locking

TECHNICAL DATA

Power supply	3V; 2 Batteries LR03, tip AAA
Consumption	I= 0,022 mA; P= 0,066 mW
Temperature sensor	RTD Murata NTC (10 kE)
Degree of protection	IP 30 according to EN 60529
Safety class	II according to EN 60730-1
Housing	ABS thermoplast, white
Dimensions (w × l × h)	34 × 72 × 112 mm
Ambient temperature	0 ÷ 40 °C
Storage temperature	-20 ÷ 65 °C
Weight	98 g
Package unit	30 pcs

Temperature sensors overview

Outdoor



The AF sensor is intended for outdoor-temperature measurement.

Sensor	Dimensions	Lenght	Code
AF/Pt	49 mm x 26 mm x 14 mm	-	1AFPT-000

Surface



The VF surface-sensor is intended for pipe-temperature measurement.

Sensor	Dimensions (housing)	Cable Lenght	Code
VF/Pt	23 mm x 14 mm x 42 mm	Silicone (max. 180 °C) - 3 m	1VFPT-000

Immersion



The TF is an immersion sensor for boiler, storage tank, solar collectors and other temperature measurements .

Sensor	Dimensions	Cable Lenght	Code
TF/Pt	Ø 6mm x 50 mm	Silicone (max. 180 °C) - 3 m	1TFPT-000

Immersion - universal



The VF2 are the universal immersion sensors for pipe and other temperature measurements.

They have a threaded plug R1/4 and an adaptor for installation into the TH1 immersion tubes.

Sensor	Dimensions (housing)	Immersion depth	Code
VF2/Pt -40	49 mm x 26 mm x 114 mm	40 mm	1VF2PT40-000
VF2/Pt -90	49 mm x 26 mm x 114 mm	90 mm	1VF2PT90-000
VF2/Pt -120	49 mm x 26 mm x 114 mm	120 mm	1VF2PT120-000
VF2/Pt -200	49 mm x 26 mm x 114 mm	200 mm	1VF2PT200-000

Room sensor



The PS10 room sensor is used for room temperature measurement.

Sensor	Dimensions	Cable Lenght	Code
PS10/Pt	73 mm x 28 mm x 73 mm	-	2PS10PT-510

Tube



The TH1 tube is used to install the temperature sensor into pipelines and for other applications.

The TH1 immersion tubes have a threaded plug G1/2.

Tube	Dimension outside / inside	Immersion depth	Code
TH1-40	Ø 9 mm / Ø 7 mm	40 mm	1TH14012-000
TH1-90	Ø 9 mm / Ø 7 mm	90 mm	1TH19012-000
TH1-120	Ø 9 mm / Ø 7 mm	120 mm	1TH112012-000
TH1-200	Ø 9 mm / Ø 7 mm	200 mm	1TH120012-000

Tube



The TH2 tube is used to install the temperature sensor into the solar collector.

They have a threaded plug R1/2.

Tube	Dimension outside / inside	Immersion depth	Code
TH2-100	Ø 8 mm / Ø 6,9 mm	100 mm	1TH210012-000
TH2-190	Ø 8 mm / Ø 6,9 mm	190 mm	1TH219012-000

Exhaust gases temp. sensor



Exhaust gases temperature sensor.

Sensor	Dimensions	Cable Lenght	Code
CF/Pt	Ø3 x 73 mm	Metal shielded (max. 400 °C) - 1,5 m	1CFPT-000

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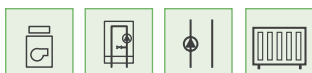
Room thermostats



Room thermostats are modern and powerful devices intended for controlling the temperature in apartments, houses, business buildings or for zone temperature control in large buildings.

The main advantages of the room thermostats are its easy installation and simple use. They convince through a large spectrum of built-in functions like ECO, PARTY and holiday mode.

Room thermostat T1



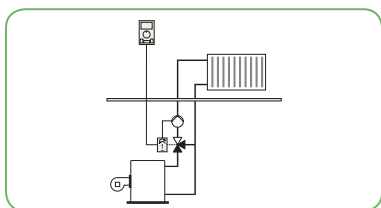
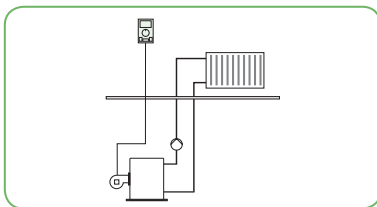
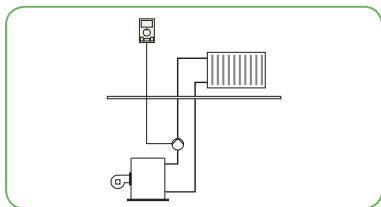
T1 is a powerful room thermostat of a modern design. It is intended to control the temperature in apartments, buildings, houses, business buildings or for zone temperature control in large buildings. The main advantages of the T1 are its easy installation and simple use.

ORDERING CODE



Room thermostat T1
Code: **1T1-000**

HYDRAULIC SCHEMES



SIMPLE BUT EFFECTIVE

- Weekly time programming
- Heating and cooling
- Frost protection
- Party and Eco function

- Display of actual and requested temperature
- Holiday mode
- Optional remote activation with telephone

FEATURES

Fixed reset time programs for room heating and domestic hot water warming	4
Individual preset time programs for room heating and domestic hot water warming	1
Program slots	32
Display of actual and requested room temperature	✓
Holiday mode with	✓
Optional remote activation with telephone	✓
Holiday mode with adjustable duration up to 99 days	✓
Party and Eco functions with adjustable duration	✓
Display of actual and desired room temperature	✓
Optional remote activation via telephone	✓

TECHNICAL DATA

Operation mode	P- Controller (ON / OFF)
Power voltage	2 Batteries LR03, tip AAA
Relay output	230 V ~ / 6 (2) A
Consumption	I= 0,022 mA; P= 0,066 mW
Temperature sensor	RTD Murata NTC (10 k Ω)
Degree of protection	IP 30 according to EN 60529
Safety class	II according to EN 60730-1
Housing	ABS thermoplastics, white
Dimensions (w × l × h)	34 × 72 × 112 mm
Ambient temperature	0 ÷ 40 °C
Storage temperature	-20 ÷ 65 °C
Weight	109 g
Package unit	30 pcs

Room thermostat ST2R



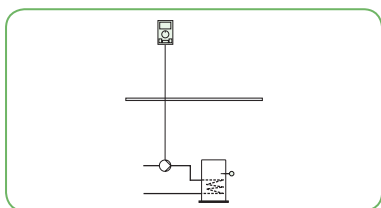
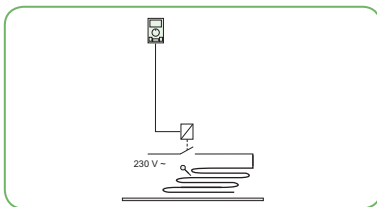
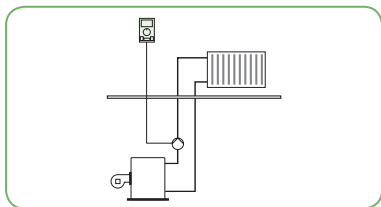
The innovative advantage of the ST2 series is their modular design. By selection of the proper module, the thermostat can easily be adapted to the specific heating system and user demands. ST2R has a built-in relay module (R).

ORDERING CODE



Room thermostat ST2R
Code: **2ST2R-510**

HYDRAULIC SCHEMES



SIMPLE BUT EFFECTIVE

- Weekly time programming
- Heating and cooling
- Frost protection
- Party and Eco function
- Fuzzy logic for time ON/OFF optimization

- 36 program slots for programming
- Keyboard and knob locking possibility
- Optional room temperature sensor

FEATURES

Fixed time programs for room heating and domestic hot water warming	4
Individual time program for room heating and domestic hot water warming	2
Program slots for programming the room heating	36
Program slots for programming the domestic hot water warming	36
Heating operation mode	✓
Cooling operation mode	✓
Temperature setting area 10 °C ÷ 30 °C	✓
Party and Eco functions with adjustable duration	✓
Display of actual and desired room temperature	✓
Optional remote activation via telephone	✓
Party and Eco function with adjustable duration	✓
Holiday mode with adjustable duration	✓
Logic for optimized start of heating (Fuzzy logic)	✓
Display of actual and requested room temperature	✓
Optional remote activation with telephone	✓
Choice of keyboard and knob locking	✓

TECHNICAL DATA

Operation mode	P— Controller (ON / OFF)
Power voltage	2 Batteries LR03, tip AAA
Relay output	230 V ~ / 6 (2) A
Consumption	I= 0,022 mA; P= 0,066 mW
Temperature sensor	RTD Murata NTC (10 kE)
Degree of protection	IP 30 according to EN 60529
Safety class	II according to EN 60730-1
Housing	ABS thermoplastics, white
Dimensions (w × l × h)	34 × 72 × 112 mm
Ambient temperature	0 ÷ 40 °C
Storage temperature	-20 ÷ 65 °C
Weight	114 g
Package unit	30 pcs

Room thermostat ST2RDR



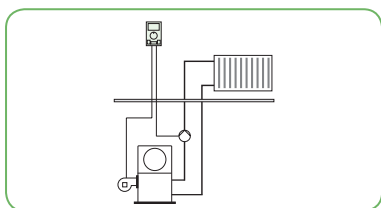
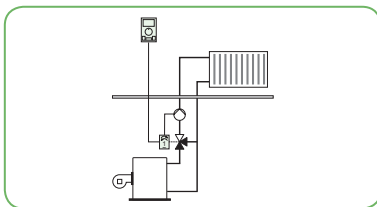
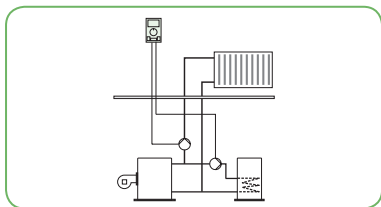
The innovative advantage of the ST2 series is their modular design. By selection of the proper module, the thermostat can easily be adapted to the specific heating system and user demands. ST2RDR has a built-in relay module (R) and additional relay module (DR).

ORDERING CODE



Room thermostat ST2RDR
Code: 2ST2RDR-511

HYDRAULIC SCHEMES



SIMPLE BUT EFFECTIVE

- Weekly time programming
- Heating and cooling
- Frost protection
- Party and Eco function
- Fuzzy logic for time on/off optimization
- Night, day and comfort temperature

- Display of actual and requested temperature
- Holiday mode
- Optional remote activation with telephone

FEATURES

Fixed time programs for room heating and domestic hot water warming	4
Individual time program for room heating and domestic hot water warming	2
Program slots for programming the room heating	36
Program slots for programming the domestic hot water warming	36
Heating operation mode	✓
Cooling operation mode	✓
Temperature setting area 10 °C ÷ 30 °C	✓
Party and Eco functions with adjustable duration	✓
Display of actual and desired room temperature	✓
Optional remote activation via telephone	✓
Party and Eco function with adjustable duration	✓
Holiday mode with adjustable duration	✓
Logic for optimized start of heating (Fuzzy logic)	✓
Display of actual and requested room temperature	✓
Optional remote activation with telephone	✓
Choice of keyboard and knob locking	✓

TECHNICAL DATA

Operation mode	P- Controller (ON / OFF)
Power supply	2 Batteries LR03, tip AAA
PI - Controller	3 point operation
Relay output	230 V ~ / 6 (2) A
Consumption	I= 0,022 mA; P= 0,066 mW
Temperature sensor	RTD Murata NTC (10 kE)
Degree of protection	IP 30 according to EN 60529
Safety class	II according to EN 60730-1
Housing	ABS thermoplastics, white
Dimensions (w × l × h)	34 × 72 × 112 mm
Ambient temperature	0 ÷ 40 °C
Storage temperature	-20 ÷ 65 °C
Weight	123 g
Package unit	30 pcs

PDF



Actuators PROMIX®



Seltron actuators PROMIX® are intended to control the position of rotational mixing valves and ball valves.

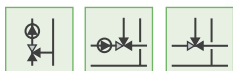
Turning direction of valve is indicated by LED light.

The advantages of PROMIX® actuators are simple and quick installation in 4 possible directions, robust performance and silent operation. Special construction prevents damage in case of valve blocking.

PROMIX® actuators can have optional built-in auxiliary micro switch which is used to turn off the circulation pump when mixing valve is closed.

PROMIX® actuators are maintenance free.

Electric actuator with led indicator PROMIX® AVC



Seltron actuators AVC are designed to control mixing valves. They are distinguished by stylish design, easy installation and reliable and quiet operation. They can be mounted in four positions, they have knob and clutch for manual operation and operation signalisation with LED's. A special construction prevents the damage or destruction of the actuator in case of valve blocking.

ORDERING CODES FOR BASIC TYPES



Actuator - PROMIX® AVC05
5 Nm, 2 min., 3-point, 230V
Code: **1AVC0532M210-030**



Actuator - PROMIX® AVC05R
5 Nm, 1 min., 2-point, 230V
Code: **1AVC0521M210-030**



Actuator - PROMIX® AVC05S
5 Nm, 2 min., 3-point, 230V
with auxiliary switch
Code: **1AVC05C2M210-030**



Actuator - PROMIX® AVC15
15 Nm, 2 min., 3-point, 230V
Code: **1AVC1532M220-030**



Actuator - PROMIX® AVC10Y
10 Nm, 1 min., Proportional, 24V
Code: **1AVC10Y1M510-030**

ONE ACTUATOR, MANY OPTIONS

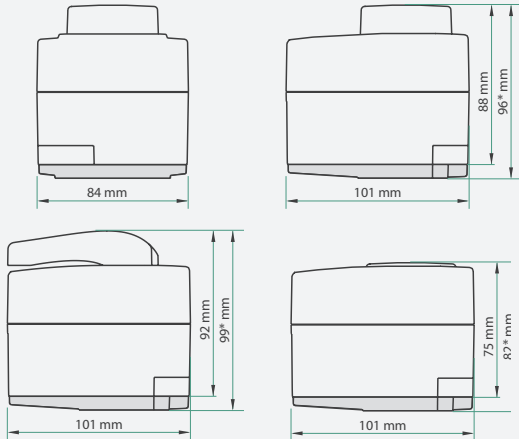
- Running speed 15 sec. to up to 8 min.
- Torque 5, 10 and 15 Nm
- 3 - point, 2 - point, proportional
- Power supply 24 V~ or 230 V~

- Can be mounted on a wide range of mixing valves from different manufacturers
- Simple and easy installation
- Operation indication with LED's

FEATURES

Output torque 5 Nm, 10 Nm or 15 Nm
Running angle 90 °
Actuator rotating speed 2 min / 90 ° (Option 15 s, 30 s, 1 min, 4 min and 8 min / 90 <°)
Optional additional micro switch
2-point, 3-point or proportional operating mode
Suitable for installation onto rotating mixing valves of various types
Indication of actual valve position
LED indication of turning direction
No damage in case of valve blocking
Built in permanent clutch (enables manual valve turning)
Silent and reliable operation
Maintenance free
Simple and easy installation

DIMENSIONS



ROTATION VALVE / ACTUATOR SELECTION

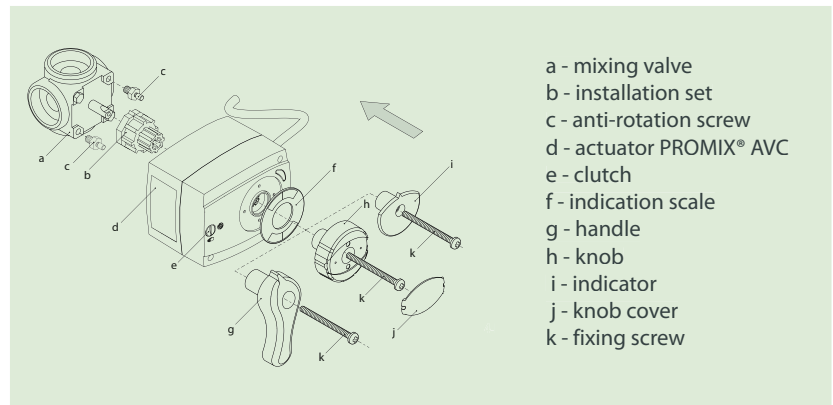
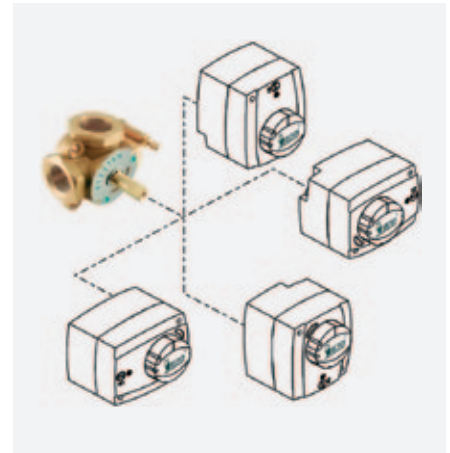
Actuator	BRASS VALVES		CAST IRON VALVES	
	DN Size	Inch Size	DN Size	Inch Size
AVC05	DN40	1 1/2"	DN32	5/4"
AVC10	DN80	3 1/4"	DN65	2 1/2"
AVC15	DN125	5"	DN100	4"

COMPATIBLE WITH MIXING VALVES

Actuators AVC can be mounted on a very wide range of mixing valves from different manufacturers. For this purpose various installation sets are available.



CODE	MANUFACTURER
ASCAVMSA	Esbe, Afriso, WIP, Hora, BRV, Acaso, IVAR, Seltron, IMIT, IMP...
ASCAVMSG	Esbe VRG
ASCAVMSC	Centra ZR/DR
ASCAVMSD	Centra DRU
ASCAVMSE	Siemens VBI, VBF
ASCAVMSF	Wita, Meibes
ASCAVMSJ	PAW, K32, K33, K34
ASCAVMSI	Honeywell V544.. / V543..



TECHNICAL DATA	AVC05	AVC10	AVC15
Torque	5 Nm	10 Nm	15 Nm
Running angle	90 °	90 °	90 °
Running speed	15 s, 30 s, 1min, 2 min, 4 min, 8 min		
Power supply	230 V ~, 24 V ~, 50 Hz		
Rated power	2,5 - 4 VA		
Control signal	2 point, 3 point, proportional		
Auxilliary switch	adjustable 9 - 90 <° (250 V~, 3A)		
Power consumption	2,5 VA - 4 VA		
Degree of protection	IP 42		
Safety class	II		
Dimensions (w × l × h) knob	84 x 101 x 96	84 x 101 x 96	84 x 101 x 96
Dimensions (w × l × h) handle	84 x 101 x 99	84 x 101 x 99	84 x 101 x 99
Dimensions (w × l × h) indicator	84 x 101 x 82	84 x 101 x 82	84 x 101 x 82
Colour / Material	dark gray / PC		
Cable length	2 m		
Weight (actuator and mountig kit)	390 g - 630 g	600 g - 860 g	600 g - 860 g
Reacting auxiliary switch		6 (3A) 250 AVC	
Complies with directives	LVD: 2006/ 95 /EC, EMC 2004/ 108 /EC, RoHS 2002/ 95 /EC		
Ambient temperature	0 ÷ 40 °C		
Package unit	30 pcs		

Electric actuator with led indicator PROMIX® AVC

STANDARD ACTUATORS

Art. No.	Power supply	Runing time 90 °	Control signal	Torque	Handle type
AVC0531M210	230 V ~	1 min	3-point	5 Nm	with knob
AVC0532M210	230 V ~	2 min	3-point	5 Nm	with knob
AVC0534M210	230 V ~	4 min	3-point	5 Nm	with knob
AVC05C1M210	230 V ~	1 min	3-point + aux. switch	5 Nm	with knob
AVC05C2M210	230 V ~	2 min	3-point + aux. switch	5 Nm	with knob
AVC05C4M210	230 V ~	4 min	3-point + aux. switch	5 Nm	with knob
AVC0521M210	230 V ~	1 min	2-point	5 Nm	with knob
AVC0522M210	230 V ~	2 min	2-point	5 Nm	with knob
AVC05B1M210	230 V ~	1 min	2-point + aux. switch	5 Nm	with knob
AVC05B2M210	230 V ~	2 min	2-point + aux. switch	5 Nm	with knob
AVC1032M220	230 V ~	2 min	3-point	10 Nm	with handle
AVC10C2M220	230 V ~	2 min	3-point + aux. switch	10 Nm	with handle
AVC1021M220	230 V ~	1 min	2-point	10 Nm	with handle
AVC10B1M220	230 V ~	1 min	2-point + aux. switch	10 Nm	with handle
AVC10Y1M510	24V ac / 24V dc	60 / 90 / 120 s	0-10V / 2-10V or 0-20 mA / 4-20 mA	10 Nm	with handle
AVC1532M220	230 V ~	2 min	3-point	15 Nm	with handle
AVC15C2M220	230 V ~	2 min	3-point + aux. switch	15 Nm	with handle
AVC1521M220	230 V ~	1 min	2-point	15 Nm	with handle
AVC15B1M220	230 V ~	1 min	2-point + aux. switch	15 Nm	with handle

ORDER TABLE FOR NON-STANDARD ACTUATOR MODELS

AVC	15	3	1M	1	1
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PRODUCT NAME

PROMIX® AVC - actuator for rotating mixing valves

TORQUE

05 - 5 Nm
10 - 10 Nm
15 - 15 Nm

OPERATION MODE

2 - 2-point
B - 2-point + auxiliary switch
3 - 3-point (default)
C - 3 point + auxiliary switch
Y - 0 (2) ÷ 10 V or 0 (4) ÷ 20 mA control signal

RUNNING SPEED

1M - 1 min
2M - 2 min (default)
4M - 4 min
8M - 8 min
15 - 15 sec
30 - 30 sec

POWER SUPPLY

1 - 230 V ~, supplied without power cord
2 - 230 V ~, supplied with a 2 meters power cord (default)
3 - 24 V ~, supplied without power cord
4 - 24 V ~, supplied with a 2 meters power cord
5 - 24 V ac/dc (only for operation mode type Y)

HANDLE TYPE

1 - knob (default for AVC05)
2 - handle (default for AVC10, AVC15)
3 - valve position indicator only

OEM SOLUTIONS

In company Seltron we are also specialized in producing controllers for costumers requirements. So we offer many ways for OEM (Original Equipment Manufacturer) business cooperation.

BASIC

- Your Logo print on the housing
- Logo on the display
- Neutral user manuals or printed with your logo
- Integrated Seltron Simplicity Solutions (see page 7, 8)

BASIC PLUS

- Your Logo print on the housing
- Logo on the display
- User manuals with your logo
- Integrated Seltron Simplicity Solutions (see page 7, 8)
- Your software adjustments for Schemes and parameters
- Creating your own icons

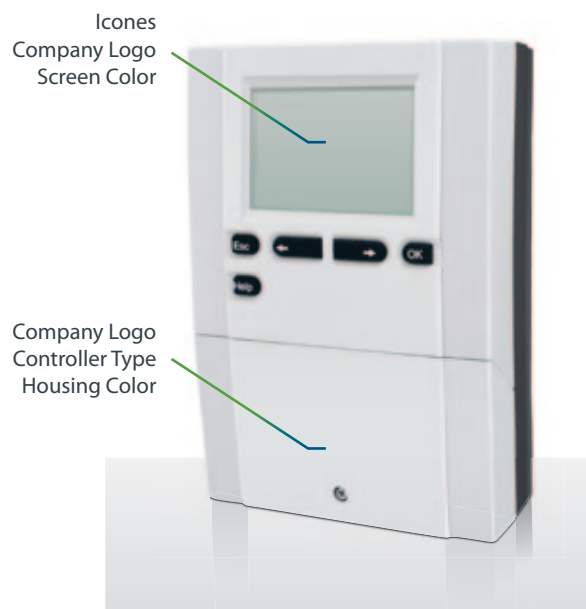
PREMIUM

- Your Logo print on the housing
- Logo on the display
- User manuals with your logo
- Integrated Seltron Simplicity Solutions (see page 7, 8)
- Your software adjustments from Schemes and parameters
- Creating your own icons
- Changed form of the controller housing and keyboards
- Choice of display's color

SELTRON OEM ADVANTAGES

- Seltron Simplicity Solutions™ package
- More than 20 years of experience in manufacturing controllers
- Technical support and service
- Established solutions
- Flexible production
- Up to date technology
- Seltron invented software solutions

A FEW OPTIONS



BE DIFFERENT, BE BETTER!

Nowadays quality is not enough to be competitive. So what should you do to stand out from your competitors? Simple, become exclusive, become different from others and work on your visibility with your solutions in means of personalized OEM products.

Try Seltrons offer of exclusive OEM partnership.

General sales condition



GENERAL TERMS

The sale of products and services is executed solely in accordance with these general conditions of sale. Purchase conditions of our buyers are with this excluded and they are not being accepted also in cases, when we not disapprove them explicitly. All eventual discrepancies from these general conditions for sale must be prior in written approved by our part.

The general conditions for sale are a component part of pro-forma invoices, invoices, offers and contracts.

All receipt orders must be in written shape and the receipt orders are valid only with our written confirmation. Also confirmations by fax or e-mail are thought as written confirmed orders. Content of our confirmation is at least valid.

In case, that the buyer countermands the order is he obligated to refund all costs to the company, which occurred concerning this order till day of notice.

DELIVERY TIMES

Delivery times are orientating and are not binding, unless it was written confirmed otherwise. Delivery time starts with the day of order confirmation and runs out with the day of delivery of the product or fulfillment of the service to the buyer. Delivery times can be proportionally prolonged in case of unpredictable barriers, which occurred despite our will, and they are such nature, that they had important impact on fulfillment of obligations. Beginning and the end of the barriers are we obligated to report immediately to the buyer. Based on this barriers the buyer can't file a claim for return of damage occurred next to exceeding of delivery time.

Partial deliveries are admissible. Confirmed delivery time is extended easily in case of additional change of buyers order. In case, that the buyer in frame of the delivery time isn't capable to take over the goods or arranged service, we are justified to issue a bill for value of goods or services. At the same time we are justified to calculate the costs of storage of goods and for occurred costs issue a bill.

Transition of responsibility for products applies with the day of takeover of goods, delivered from the transporter. In case, when we don't carry the costs of transport, transmits the risk of loose and injury of goods on the buyer with handing over to the transporter, forwarder or the client personally.

TERMS OF PAYMENT

The bill is payable in term and on manner, that was arranged next to conclusion of the contract or confirmed next to receipt of order. As the date of payment, is counted the day of arrival of buyer's means at our transactional bank account at a commercial bank.

If the purchase price is paid within 8 days from issuing of the bill, then to the buyer is confessed additional discount in height of 2 percent.

In case, that the buyer does not pay the purchased money in arranged pay time period, are we justified to charge default interests. In case of unsuccessful agreement concerning settlement of claims, we will by preliminary written admonition, exact payment with lawsuit.

OWNERSHIP

We reserve the right of ownership on delivered products till the entire settlement of the bill that means including with all side claims, eventual interests and costs. Only when the claim from realized delivery of products or services is in whole settled, ownership transmits on the buyer.

Buyer is in time till the settlement of the bill obligatory to treat the goods as a good master. When the buyer does not pay the goods in arranged time period, he may not sell it to other buyer because of reservation of property right to complete payment.

We reserve the right to property to all offered supplemental e.g. sketch, plans etc. every documentation that we sent to the buyer may not be handed over to the third person without written permission.

PROTECTION OF DATA

The buyer is bound with individual information's and business secrets concerning the fulfillment of the contract to act confidentially and not hand over to third party documents, drawings, sketches or similar supplements without written consent.

CLAIM

The buyer must complete quantitative and quality takeover of goods most lately 5 days after the receipt of goods from the transporter. The defects that are obvious, is necessary to report in writing right away or most lately 5 days after the receipt of goods; hidden defect is necessary to report in writing right away by discovery of the defect or in time period of 5 days of the discovery of the defect, however no later than 30 days from day of delivery.

The buyer is obligated for every damage, that occurred by transport next to delivery to claim back to transporter and to gain his confirmation. At the same time is the buyer obligatory to immediately notify each damage in written shape to seller.

In case of a justified claim, we will resolve this most lately in 30 days. In case, that the claim is not possible to resolve in this time period, we will notify the buyer of the new time period and the manner of solution of this claim in written shape. The buyer is obligated to restrain the products till solution of the claim and act with them as a good owner, otherwise he is responsible for occurred damage.

GUARANTEE

All delivered products have a guarantee of 24 months from sale of the device or mostly 30 months from the day of the sale of the product. The buyer is obligated to consider the instruction for use and montage, which are attached to the product. The claim can't be put in by incorrect and unprofessional use or montage of the product. In these cases the guarantee stops being valid.

The guarantee agreement is appointed with the contract or supplemental to the contract.

SERVICING

Servicing of the equipment does the service SELTRON d.o.o. in time of the guarantee and outside the guarantee age. Conditions of the servicing are determined considering the type of goods.

QUALITY OF GOODS

The quality of goods must suit the valid standards and norm for individual product or must be in accordance with individual technical demands, by which the product is made.

SOLVING OF DISPUTES

We will try to solve all disputes consensually. In case, that the disputes won't be possible to abolish consensual, is for solving of them competent the Court of justice in Maribor.

We reserve the right to change these general conditions for sale.



Energy under control



Submitted from:

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