

# THERMOSTATS AND CONTROLS



Novelty for 2020

## Catalogue 2020

We are the Czech manufacturing company, established in 1992 in Kuřim. Since the beginning we have focused narrowly on development and sale of household consumer electronics.

The first product of the company was a contactless regulator of lighting, however the most successful product ever was a wireless doorbell.

With a gradual growth of production, demands for working space were increasing. In 2002, the company made a decision to invest in construction of its new object that would meet the actual demands. The construction was finished in autumn 2005.

By putting these new production areas into operation, the company ensured suitable conditions for high-quality, reliable and safe production meeting the current strict legislation. Thus, customers can be pleased with further expansion of the firm's production program.

**Our motto is: "Reliable and quality household products at interesting sale prices."**

Our main customers are mainly supermarkets and wholesale networks with wiring material.

**All products in this catalogue are designed and made in our company in Czech Republic.** 

Production is performed with the modern automatic machines.



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## Wire thermostats

Wire

Electronic and digital thermostats



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For underfloor heating



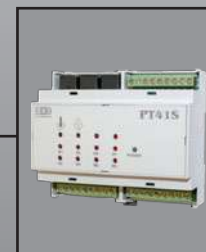
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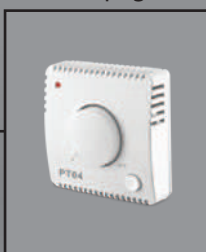


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## Wireless thermostats

Wireless  
thermostats



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GSM  
modules



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Wireless

## BT725 WIFI

Order Nr.: - 6795

Control your household heating from anywhere in the world. Via an application the controller simplifies the device settings. The thermostat remains fully functional even in the event of a Wi-Fi outage.



### Description:

- 9 weekly programs
- 6 temperature changes per day
- programming in 10 minute and 0.5 °C increments
- option to program per day or Mon–Fri, Sat–Sun and Mon–Sun
- portable battery transmitter
- setting options HYSTERESIS, PI control or PID control
- early heating activation function
- mode selection HEATING / COOLING
- temporary change of the desired temperature
- manual mode (MANU)
- permanent deactivation (OFF)
- HOLIDAY mode
- summer mode
- even/odd week selection
- correction of current temperature
- key lock
- boiler maintenance indication
- anti-freeze protection (3 °C)
- TEST function
- daylight saving time selection
- boiler output on the receiver (potential-free contact) max. 8 A / 250 V AC

FREE app for Android  
Windows 10



FREE app for Android iOS



FREE app for Android



**New modern design for a thermostat controlling electric floor heating. Large graphic OLED display and touch buttons for convenient control.**

## PT715-EI

Order Nr.: - 0666

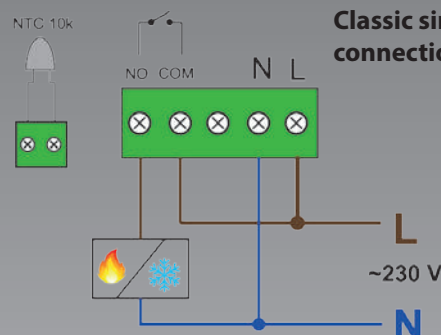
PT715-EI



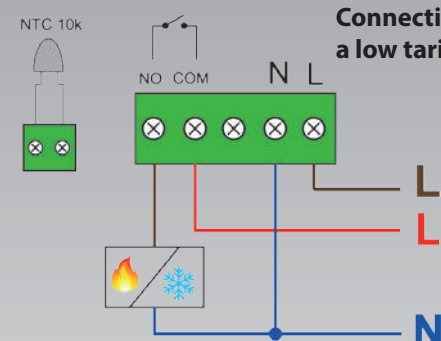
### Description:

- Weekly program with 6 temperature changes per day
- Modern active organic LED display
- Hysteresis setting option
- Operating modes AUTO/MANU/OFF/HOLIDAY
- Capacitive touch sensing
- Modern design
- Setting of floor temperature limit values
- Fast change of the desired temperature
- Information on operating hours
- Child lock – key locking
- Clock backup in case of a power outage for more than 24 hours
- Simple PLUG-IN installation

### Classic single-phase connection



### Connection when using a low tariff



### Technical specifications

Power supply	230 V / 50 Hz
Consumption	< 1 W
Number of adjustable temp.	6 temperature changes for a day
Hysteresis	0,1 to 5 °C
Minimal programming time	10 minutes
Range of possible temp.	5 to 39 °C
Temp. setting	0,5 °C
Protection degree	IP20
Output (potential-free contact)	relay, max. 16 A / 250 V AC
Working temperature	0 to 40 °C
Optional connection of an ext. sensor	type CT04-10k-S
Clock backup	up to 24 hours

## Electronic room thermostat with NIGHT ATTENUATION

# PT01

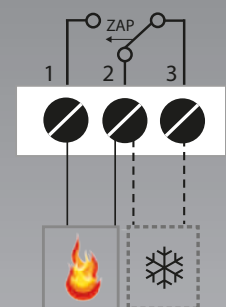
Order Nr.: - 0632

PT01



### Description:

- full replacement of bimetal thermostats
- simple operation
- easy wall mounting
- getting the required temperature in range of 11-29 °C
- Temperature adjustment in 1 °C increments
- anti-freeze protection (+3 °C)
- indication switching on
- low battery indicator
- TEST mode



### Technical specifications

Power supply	2 x 1,5 V alkal. batteries type AA
Hysteresis	0,3 °C
Number of adjustable temp.	11 to 29 °C
Step of temperature setting	by 1 °C
Measurement accuracy	±0,5 °C
Protection degree	IP20
Output (potential-free contact)	relay, max. 5 A / 250 V AC
Working temperature	0 to 40 °C
Batteries lifetime	3 years





## PT02

Order Nr.: - 0646

Electronic pipe thermostat with ON/OFF function



RELAY indication

sensor error

power indication

a screw for access to the terminal blocks

hysteresis setting (2 to 20 °C)

control temperature setting (30 to 80 °C)

PT02

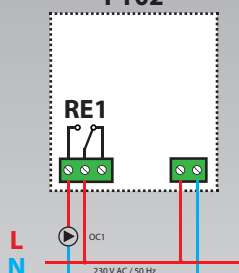
### Basic parameters:

- Power supply 230 V / 50 Hz,
- Temp. setting (30 to 80 °C),
- Hysteresis setting (2 to 20 °C),
- Mode ON/OFF/AUTO,
- Anti-scale protection
- Installation direct on pipe



### Schema

PT02



### Technical specifications

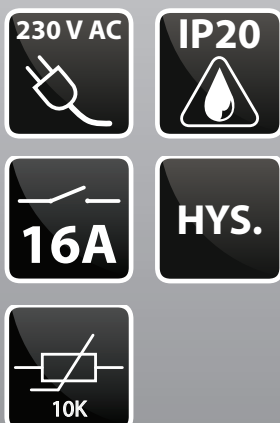
Power supply	230 V / 50 Hz
Consumption	< 1 W
Type of regulation	Hysteresis (2 to 20 °C)
Dimensions	130 x 39 x 35 mm
Protection degree	IP20
Output type	Relay (potential-free contact), switched
Max. resistive load	10 A (AC1)
Regulation range	30 to 80 °C
Working temperature	0 to 40 °C

**Electronic room thermostat,  
controlled by microprocessor.**

## PT04

Order Nr.: 0644

PT04



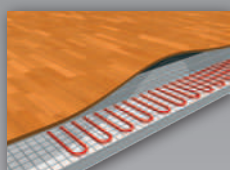
### Description:

PT04 is the room thermostat designed to control heat sources powered by 230 V AC / 16 A mains. Can be used for e.g.: underfloor heating, infrared heating, etc.

### Electric heaters



### Underfloor heating



### Electric heating panels



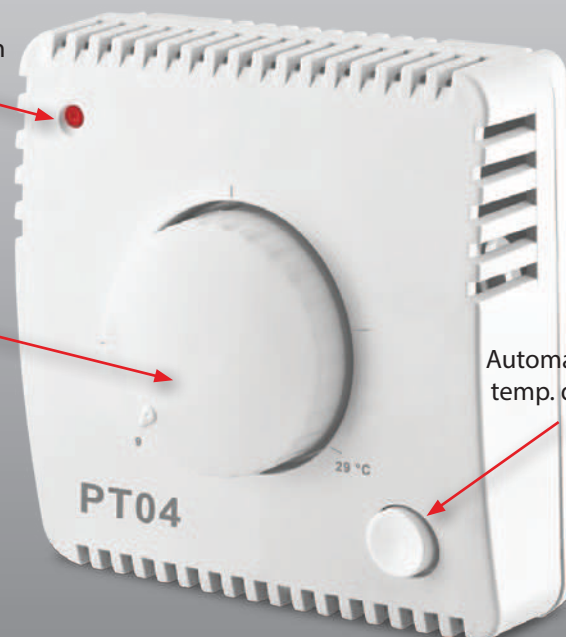
### Infrared heaters



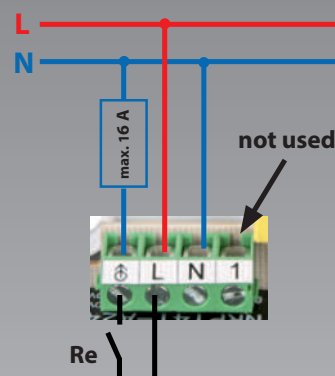
heating indication

Temp. setting  
9 °C to 29 °C

Automatic night  
temp. damping



### Wires connection:



### Technical specifications

Power supply	230 V / 50 Hz
Consumption	< 1 W
Output capacity	230 V AC / 16 A
Output	relay
Night dumping	3 °C / 8 hours
Temp. range	9 to 29 °C
Measurement accuracy	±1 °C
Temp. setting	0,5 °C
Protection degree	IP20
Type of regulation	ON / OFF

## PT10

Order Nr. - 0601

Simple programmable thermostat, fulfilling requirements on basic heating regulation.



PT10



### Description:

- PT10 is digital spatial thermostat for automatic regulation of heating
- Four temperature changes for day
- Anti-freeze temperature 5°C
- Simple control
- Easy installation

### Technical specifications

Power supply	2 x 1,5 V alkal. batteries type AA
Number of adjustable temp.	4 temperature changes for a day
Hysteresis	0,5 °C
Minimal programming time	30 minutes
Range of possible temp.	5 to 39 °C
Step of temperature setting	by 1 °C
Minimal step of indication	0,1 °C
Measurement accuracy	±0,5 °C
Protection degree	IP20
Output (potential-free contact)	relay, max. 5 A / 250 V AC
Working temperature	0 to 40 °C



## PT22

Order Nr.- 0622

## PT32



Order Nr.- 0636

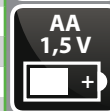


### Intelligent room thermostat



**PT22, PT32** are intelligent thermostats of new generation, with well-arranged graphic display, which enables control even at night. Weekly programm with up to six temperature changes per day. These thermostats can be connected to all boilers requiring potential-free (voltage-free) switching contacts (such as gas boilers, electric boilers, circulation pumps, thermoelectric drives or conditioning units).

Parameters of settings	PT22	PT32
		
Number of weekly programmes	1	9
Day/ week programming	✓	✓
Number of temperature changes	6	6
Minimal programming time	10 min	10 min
Type of regulation	HYS.	HYS., PI, PID
Range of possible temp.	5 to 39 °C	3 to 39 °C
Step of temperature setting	0,5 °C	0,5 °C
Minimal step of indication	0,1 °C	0,1 °C
Measurement accuracy	±0,5 °C	±0,5 °C
Measured temperature correction	✗	✓
Types of modes	MANU / AUTO / OFF / HOLIDAY	MANU / AUTO / OFF / HOLIDAY
Anti-freeze mode	✓	✓
Automatic SUMMER/ WINTER time change	✓	✓
Preliminary heating start function	✗	✓
Summer mode	✗	✓
Even-odd week selection	✗	✓
Heating / cooling selection	✗	✓
Key lock	✗	✓
Key code protection	✗	✓
Boiler operating hours total	✗	✓
Boiler maintenance indication	✗	✓
EEPROM memory	✓	✓
Possibility of using GSM module	✗	✓
Preset programm	✓	✓
Languages	CZ, PL, EN, RU, SK, DE	CZ, PL, EN, RU, SK, DE
<b>Technical specifications</b>		
Power supply	2 x 1,5 V alkal. batteries type AA	2 x 1,5 V alkal. batteries type AA
Battery lifetime	2 heating seasons	2 heating seasons
Output	relay, max. 5 A / 250 V AC	relay, max. 5 A / 250 V AC
Storage temperature	0 to 40 °C	0 to 40 °C
Working temperature	0 to 40 °C	0 to 40 °C





## Room digital thermostat

# PT23

Order Nr.- 0647

PT23



New thermostat with modern design. Algorithm of this thermostat is designed for controlling of gas and electric boilers for warm-water heating. Through transfer circuit breaker can control infrared heating as well. Thanks to touch buttons is easy to use.

### Description:

- preset week program
- programming "day-by-day" or Mon-Fri, Sat-Sun or Mon-Sun
- big backlit graphic display
- navigation in the selected language (CZ / SK / PL / EN / DE / NL)
- adjustable HYSTERESIS
- EEPROM memory for everlasting data saving
- modes MANU / AUTO/ HOLIDAY / OFF
- sound and light indication of buttons
- anti-freeze protection 3 °C
- short-term change in the required temp.
- function for testing of right connection
- automatic SUMMER / WINTER time change
- low battery indication

### Technical specifications

Power supply	2 x 1,5 V alkal. batteries type AA
Number of adjustable temp.	6 temperature changes for a day
Hysteresis	0,1; 0,2; 0,3; 0,4; 0,5; 1,0; 1,5 °C
Minimal programming time	10 minutes
Range of possible temp.	5 to 39 °C
Step of temperature setting	by 0,5 °C
Minimal step of indication	0,1 °C
Measurement accuracy	±0,5 °C
Protection degree	IP20
Output (potential-free contact)	relay, max. 5 A / 250 V AC
Working temperature	0 to 40 °C



## PT712

**Digital thermostats for electric and hot water underfloor heating**

## PT713

**Smart thermostat with more features for regulation of underfloor heating**

PT712, PT712 EI, PT713 and PT713 EI are digital thermostats with floor and space sensor designed specifically for controlling electrical floor heating (heating cables, mats, foils). It enables regulation according to the room temperature with possible floor temperature monitoring.



**“EVEN YOUR PETS SHALL APPRECIATE REGULATION OF FLOOR HEATING”**



PT71x

## Basic model of thermostat

## Basic model of thermostat, with floor temperature sensor

## Smart thermostat with some extra features

## Smart thermostat with floor temperature sensor

# PT712

Order Nr. - 0615

# PT712-EI

Order Nr. - 0616





# PT713

Order Nr. - 0614

# PT713-EI

Order Nr. - 0617

PT71X

Parameters of settings	PT712	PT712-EI	PT713	PT713-EI
				
Number of weekly programmes	2	9	9	9
Day/ week programming	✓	✓	✓	✓
Number of temperature changes	6	6	6	6
Minimal programming time	10 min	10 min	10 min	10 min
Type of regulation	HYS.	HYS.	HYS., PI	HYS., PI
Hysteresis	0,1 to 5 °C	0,1 to 5 °C	0,1 to 5 °C	0,1 to 5 °C
Minimal switch ON period	1 to 5 min	1 to 5 min	1 to 5 min	1 to 5 min
Range of possible temperature	5 to 39,5 °C	5 to 39,5 °C	5 to 39,5 °C	5 to 39,5 °C
Step of temperature setting	0,5 °C	0,5 °C	0,5 °C	0,5 °C
Minimal step of indication	0,1 °C	0,1 °C	0,1 °C	0,1 °C
Measurement accuracy	±0,5 °C	±0,5 °C	±0,5 °C	±0,5 °C
Measured temperature correction	✗	✗	✓	✓
Types of modes	MANU / AUTO / OFF / HOLIDAY	MANU / AUTO / OFF / HOLIDAY	MANU / AUTO / OFF / HOLIDAY	MANU / AUTO / OFF / HOLIDAY
Holiday mode	✓	✓	✓	✓
Anti-freeze mode	✓	✓	✓	✓
Automatic SUMMER/ WINTER time change	✓	✓	✓	✓
Preliminary heating start function	✗	✗	✓	✓
Open window function	✗	✗	✓	✓
Even-odd week selection	✗	✗	✓	✓
Key lock	✗	✗	✓	✓
Boiler operating hours total	✓	✓	✓	✓
EEPROM memory	✓	✓	✓	✓
Clock backup	more than 100 hours	more than 100 hours	more than 100 hours	more than 100 hours
Preset programm	✗	✗	✗	✗
	PT712	PT712-EI	PT713	PT713-EI
External sensor included in the package	✗	✓	✗	✓
Regulation acc. internal sensor (room)	✓	✓	✓	✓
Regulation acc. external (floor) sensor	*	✓	*	✓
Combined regulation of both sensors	*	✗	*	✓
Minimal floor temperature maintaining	*	✗	*	✓
Monitoring of the maximum floor temperature	*	✓	*	✓
<b>Technical specifications</b>				
Power supply	230 V AC		230 V AC	
Input	up to 1 VA		up to 1 VA	
Output	relay max. 12 A		relay max. 12 A	
Output type	potential free		potential free	
Working temperature	0 to 40 °C		0 to 40 °C	



\* An external sensor can be purchased later separately, which results in the thermostat to have the same functions as the EI type

## PT14

Order Nr. - 0623

## PT14-P

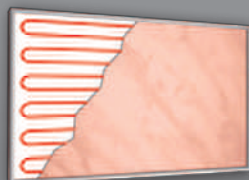
Order Nr.- 0628



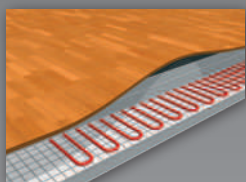
Electric heater



Infrared panel



Underfloor heating



### Description:

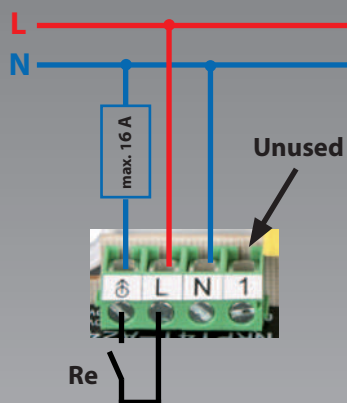
- Large backlit display
- Easy selection of economic and comfort temperature
- Simple control
- Easy installation
- Range of possible temp. 3 °C to 39 °C

This digital spatial thermostat is suitable for households, family houses and offices with electric heating. It can control electric heaters, radiant heaters, infrared heaters or electric floor heating up to 16 A output.

Programable version of the thermostat

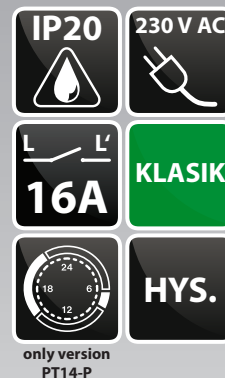


### Example of wiring diagram



### Technical specifications

Power supply	230 V / 50 Hz
Input	1 VA (1 W)
Hysteresis	0,5 °C
Switching element	relay
Adjustable temperature range	3 to 39,5 °C
Temperature setting	in 0,5 °C steps
Minimal indication step	0,5 °C
Measurement accuracy	±1 °C
Protection degree	IP20
Output (relay)	max. 16 A
Working temperature	0 to 40 °C





PT14-HT is a room thermostat intended for control of thermovalves NC (normally closed), which are located on radiators or distributors of warm-water floor heating.

Programmable version of the thermostat

## PT14-HT

Order Nr. - 0624

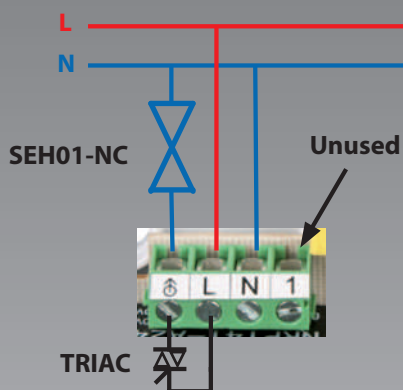
## PT14-HT-P

Order Nr. - 0629

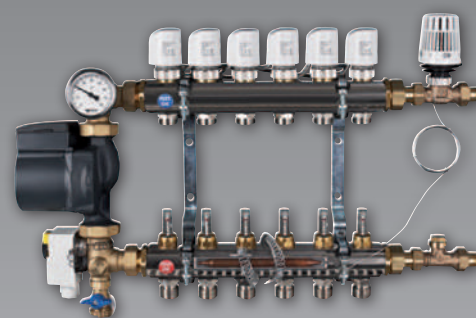
PT14



### Example of wiring diagram

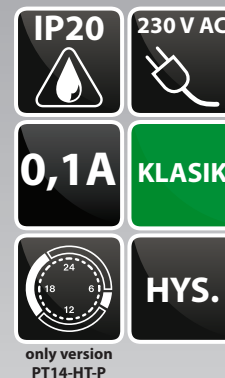


Advantage is fast switching between comfort☀ and economic🌙 temperature. The device is equipped with a semi-conductor output which emits no noise, contrary to a relay switching or motors running. The PWM (pulsewidth modulation) function increases the control quality.



### Technical specifications

Power supply	230 V / 50 Hz
Input	0,5 VA (0,5 W)
Switching element	triac
Protection class	II
Adjustable temperature range	5 to 39,5 °C
Temperature setting	by 0,5 °C
Minimal indication step	0,5 °C
Measurement accuracy	±1 °C
Protection degree	IP20
Output (semiconductor)	max. 0.1 A, max. 2 pcs of actuators
Working temperature	0 to 40 °C
Regulation	PWM



PT52



## Smart thermostat PT52 with OpenTherm (OT+) communication

# PT52

Order Nr.- 0657



PT52

### Description:

- Digital thermostat for controlling of boilers with OpenTherm (OT+) communication
- Large BACKLIT display and easy controlling
- Intuitive navigation in the selected language (CZ/PL/EN/DE/RU/SK)
- 9 weekly programs for central heating and with temperature changes per day
- Equitherm control with correction according room temperature
- PI regulation
- Preliminary switch-on function with adjustable start
- Boiler type selection (e.g. Thermona, Ferroli, Viessmann etc.)
- HOLIDAY mode
- Actual temperature correction
- Summer mode
- Automatic SUMMER/WINTER time changeover

### Technical specifications

Power supply	direct, through communication line from boiler
Communication line	twin-lead
Polarity	without polarity
Length	up to 50 m
Min. program. time of C. H.	10 minutes
Adjustable temperature range	3 to 39 °C
Adjustable temperature range C.H.	5 to 85 °C
Min. program. time of H. W.	1 hour
Number of temperature changes	3 times changes per day
Adjustable temperature range H.W.	10 to 65 °C
Hysteresis H.W.	5 °C
Min. indication step	0,1 °C
Number of adjustable temperatures	6 temperature changes per day
Protection class	IP20
Working temperature	0 to 40 °C
Languages	CZ, PL, EN, DE, RU, SK



## PT32 GST

Order Nr. - 0639

Intelligent thermostat with remote control via mobile phone. A short SMS is possible for example to change the temperature or turn off the boiler.

PT32 GST



Remote control of thermostat via SMS



App PT32 GST can be downloaded FOR FREE on Google Play



App PT32 GST can be downloaded FOR FREE on AppStore



Remote control via Android APP and iOS



### Description:

- PT32 GST is an intelligent digital room thermostat with an embedded GSM module. It is suitable for all boilers, which require potential-free (voltage free) switching contacts (e.g. gas boilers, electric - boilers, circulating pumps, thermoelectric actuators or air conditioning units).
- New PID regulation- principle consists in continuous comparison of the current room temperature with the desired temperature, and automatic adaptation of the controller to the given conditions.
- 9 weekly programs with 6 temperature changes per day
- Programming by 10 minutes and 0.5 °C
- Big backlit graphic display
- Intuitive navigation in the selected language (CZ/PL/EN/DE/RU/SK)
- Possibility of setting HYSTERESIS, PI regulation or PID regulation



Intelligent thermostat with remote control from mobile phone, tablet or PC via WIFI.

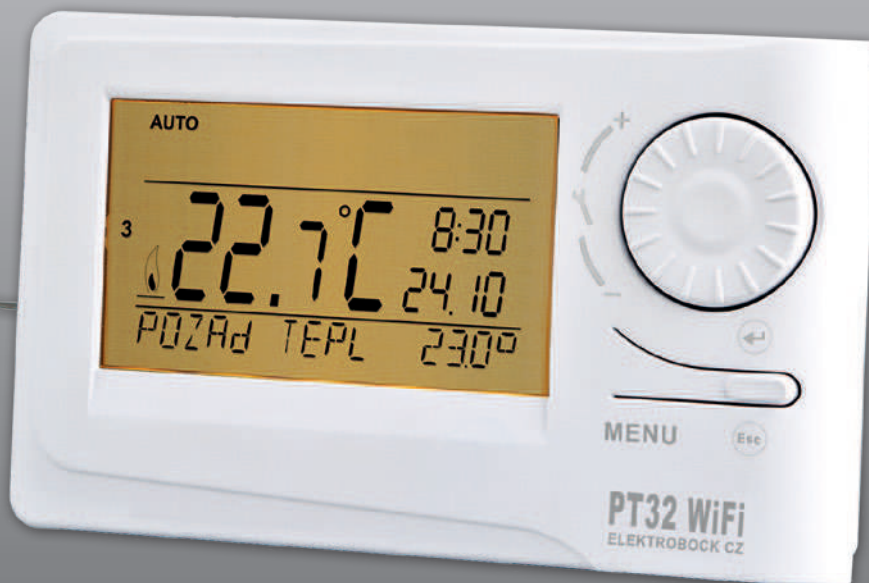
## PT32 WIFI

Order Nr. - 0642

Can be downloaded for free on Google Play

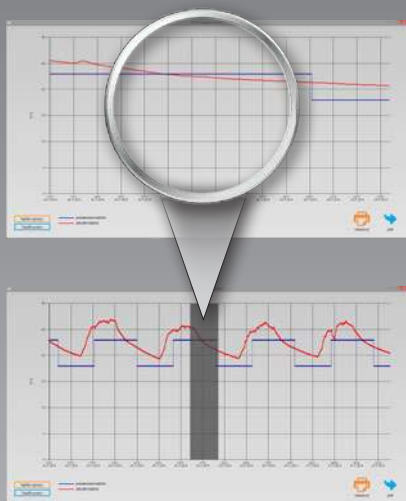


Can be downloaded for free on AppStore

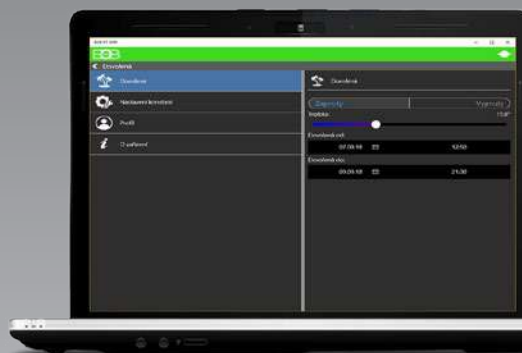


PT32 WiFi

possibility of temperature record up to 1 year.



Possibility of controlling via APPs:



### Description:

- PT32 WiFi is room digital thermostat with embedded WiFi module
- It is suitable for all boilers, which require potential-free (voltage free) switching contacts (e.g. gas boilers, electric - boilers, circulating pumps, thermoelectric actuators or air conditioning units).
- New PID regulation- principle consists in continuous comparison of the current room temperature with the desired temperature, and automatic adaptation of the controller to the given conditions.
- 9 weekly programs with 6 temperature changes per day
- Programming by 10 minutes and 0.5 °C
- Big backlit graphic display
- Intuitive navigation in the selected language (CZ/PL/EN/DE/RU/SK)
- Possibility of setting HYSTERESIS, PI regulation or PID regulation



Videotutorial

[www.youtube.com/elektrobock](http://www.youtube.com/elektrobock)

## BT010

Order Nr.- 0608

BT010 is a wireless thermostat (transmitter) that controls receivers BT001, BT002 or BT003 according to the desired temperature.

BT010



### Description:

- Fast change of the desired temperature
- Night decrease – night decrease button (automatic decrease by 3 °C for 8 hours)
- Anti-freeze protection

#### Sender



#### Technical specifications

Power supply	2 x 1,5 V alkal. batteries type AA
Communication type	TWO-WAY
Frequency	433,92 MHz
Vf power	< 10 mW
Hysteresis	0,4 °C
Temp. setting range	11 to 29 °C
Temperature setting	by 1 °C ( form 11 °C )
Measurement accuracy	±1 °C
Protection degree	IP20
Working temperature	0 to 40 °C

**BPT012 is a wireless thermostat with system of autodidactic codes, easy control and wall-mounted receiver.**

## BT012

Order. Nr. - 0603

BT012



16 A / 230 VAC



### Description:

- Automatic night temperature reduction by 3°C for 8 hours available

Transmitter						Receiver					

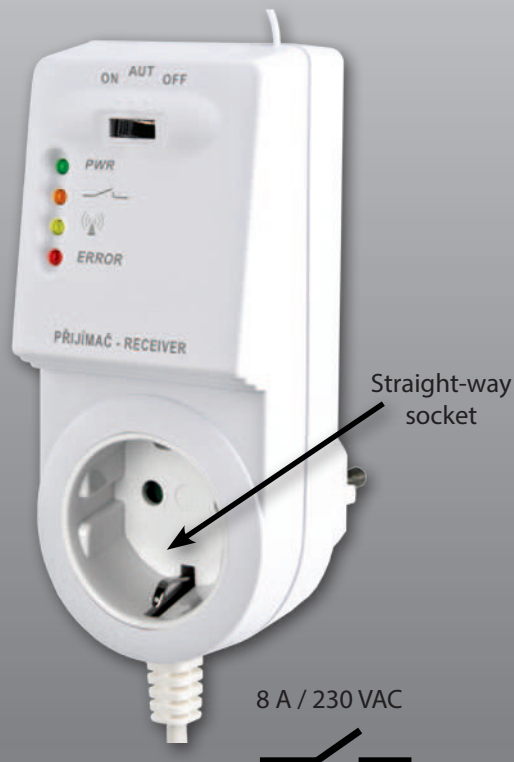
### Technical specifications

Transmitter		Receiver	
Power supply	2 x 1,5 V alkal. batteries type AA	Power supply	230 V / 50 Hz
Communication type	TWO-WAY	Output	16 A
Frequency	433,92 MHz	Switching element	relay
Vf power	< 10 mW	Reach	25 m (in built-up area)
Hysteresis	0,4 °C	Working temperature	0 to 40 °C
Temp. setting range	11 to 29 °C		
Temperature setting	by 1 °C (from 11 °C)		
Measurement accuracy	±1 °C		
Protection degree	IP20		
Working temperature	0 to 40 °C		
Night damping	3 °C for 8 hours		

## BT013











Order. Nr- 0613

BT013 is a wireless thermostat with system of autodidactic codes, easy control and receiver into socket



### Description:

- Automatic night temperature reduction by 3°C for 8 hours available

Transmitter						Receiver					
											

### Technical specifications

Transmitter		Receiver	
Power supply	2 x 1,5 V alkal. batteries type AA	Power supply	230 V / 50 Hz
Communication type	TWO-WAY	Output	8 A
Frequency	433,92 MHz	Switching element	relay
Vf power	< 10 mW	Reach	35 m (in building)
Hysteresis	0,4 °C	Working temperature	0 to 40 °C
Temp. setting range	11 to 29 °C		
Temperature setting	by 1 °C ( from 11 °C )		
Measurement accuracy	±1 °C		
Protection degree	IP20		
Working temperature	0 to 40 °C		
Night damping	3 °C for 8 hours		

Simple wireless thermostat with autodidactic learn system.

## BT102

Order Nr.: - 0602

BT102














16 A / 230 VAC



### Description:

- BT102 is a simple wireless thermostat with system autodidactic of codes
- Used for all types of heating at home, offices or workshops
- The advantage is the possibility of change in the reference room by simply moving the transmitting part, it is possible to achieve optimum thermal comfort in heating
- Possibility setting of 4 temperatures per day
- Power supply of receiver 230 V / 50 Hz
- Mounted direct on installation box KU/KP68

Trasmitter						Receiver					
											

### Technical specifications

Transmitter		Receiver	
Power supply	2 x 1,5V alkal.batteries AA	Power supply	230 V / 50 Hz
Communication type	TWO-WAY	Output	16 A
Frequency	433,92 MHz	Switching element	relay
Vf power	< 10 mW	Reach	25 m (in built-up area)
Temperature changes	4 / day	Working temperature	0 °C to 40 °C
Temp. setting range	5 °C to 39 °C		
Temperature setting	by 1 °C		
Measurement accuracy	± 0,5 °C		
Protection degree	IP20		
Working temperature	0 to 40 °C		



Version with orange display and case in white colour.

Version with orange display and case in anthracite colour.

## BT22

Order Nr. - 0656

## BT22-3-5

Order Nr. - 6791

BT22








Order Nr. - 6791



Order Nr. - 0656

### Description:

- Wireless digital thermostat with a backlit display
- It is designed for automatic control of heating systems in houses and apartment units with their own boiler
- Large backlit display on the transmitter allows control of the thermostat at night.
- Intuitive navigation in the chosen language (CZ/PL/EN/DE/RU/SK)
- 6 temperature changes for each day
- Programming by 10 minutes and 0.5 °C
- Straight-way socket in the receiver (for connecting of further device)

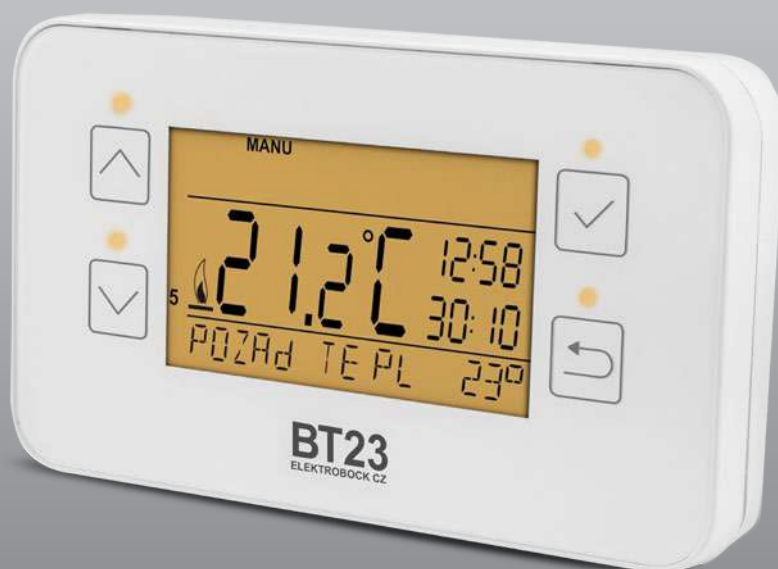
Transmitter	Receiver
     	     

### Technical specifications

Transmitter		Receiver	
Power supply	2x1,5 V alkal.batteries AA	Power supply	230 V / 50 Hz
Communication type	TWO-WAY	Output	8 A
Frequency	433,92 MHz	Switching element	relay
Vf power	< 10 mW	Reach	35 m (in built-up area)
Number of set temp.	6 temperature changes	Working temperature	0 °C to 40 °C
Temp. setting range	5 °C to 39 °C		
Temperature setting	by 0,5 °C		
Measurement accuracy	± 0,5 °C		
Protection degree	IP20		
Working temperature	0 °C to 40 °C		
Languages	CZ, PL, EN, DE, RU, SK		

## BT23 RF Wireless thermostat

Order Nr.: - 0612



BT23 RF

- Big, well-arranged and backlit display
- Preset week program
- 6 temperature changes per every day
- Programming by 10 minutes and 0.5 °C
- Programming "day-by-day" or Mon-Fri, Sat-Sun or Mon-Sun
- Adjustable HYSTERESIS (from 0,1°C to 6°C)
- Short-term change of temperature
- Manual mode (MANU)
- Permanent deactivation (OFF)
- HOLIDAY mode
- Antifreeze protection 3 °C
- Connection testing function (TEST)
- Automatic SUMMER/WINTER time changeover
- Receiver power supply 230 V / 50 Hz
- PASS-THROUGH socket on the receiver (for Connecting another appliance)
- LED indicator on the receiver
- approx. range 35 m (300 m in open areas)

Transmitter	Receiver

### Technical specifications

Transmitter		Receiver	
Power supply	2x1,5 V alkal.batteries AA	Power supply	230 V AC / 50 Hz
Communication type	TWO-WAY	Communication type	TWO-WAY
Frequency	433,92 MHz	Frequency	433,92 MHz
Vf power	< 10 mW	Reach (in building)	35 m
Hysteresis	0,1 to 6 °C	Reach on free area	300 m
Temp. setting range	5 to 39 °C	Sensitivity	< -102 dBm
Temperature setting	by 0,5 °C	Output	relay, max. 8 A
Measurement accuracy	±0,5 °C	Protection class	IP20
Protection class	IP20	Working temperature	0 to 40 °C
Working temperature	0 to 40 °C		
Languages	CZ, PL, EN, DE, RU, SK		

Version with orange display and case in white colour.

Version with orange display and case in anthracite colour.

## BT32

Order Nr. - 0638

## BT32-3-5

Order Nr. - 0664

BT32















Order Nr. - 0638

Order Nr. - 0664

### Description:

- Wireless digital thermostat with backlit display offers a wide range of temp. control
- It is designed for automatic control of heating systems in houses and apartment units with their own boiler
- Large backlit display on the transmitter allows control of the thermostat at night
- Intuitive navigation in the chosen language (CZ/PL/EN/DE/RU/SK)
- 9 weekly programmes with 6 temperature changes per day
- Programming by 10 minutes and 0.5 °C
- Possibility of setting PI regulation or HYSTERESIS
- Possibility of using GSM module (GST1 or GST2) for control with mobile phone

Transmitter	Receiver
     	     

### Technical specifications

Transmitter		Receiver	
Power supply	2x1,5 V alkal.batteries AA	Power supply	230 V / 50 Hz
Communication type	TWO-WAY	Output	8 A
Frequency	433,92 MHz	Switching element	relay
Vf power	< 10 mW	Reach	35 m (in built-up area)
Number of set temp.	6 temperature changes	Working temperature	0 to 40 °C
Temp. setting range	3 to 39 °C		
Temperature setting	by 0,5 °C		
Measurement accuracy	±0,5 °C		
Working temperature	0 to 40 °C		
Regulation	HYS., PID, PI		
Languages	CZ, PL, EN, RU, SK, DE		

Digital wireless thermostat with  
OT+ communication and receiver with LED indication.

## BT52

Order Nr.: - 6652

BT52



### Description:

- The possibility of placing the thermostat (transmitter) as needed.
- Anticipating system (intelligent timer) guarantees the required temperature at the desired time.
- Adaptive controller evaluates temperature gradient room and is able to determine the time necessary to achieve the desired temperature.
- Choice of type of regulation: equitherm control, equitherm control with correction according to room temperature, PI regulation.
- 9 weekly programs for central heating (with 6 temperature changes per day).
- 1 weekly program for hot domestic water (with 3 temperature changes per day).
- E-EEPROM memory retains all settings even during power outages.
- Can be controlled via GSM module GST1 or GST2 (commercially available).
- Automatic switching to summer/winter time.

Transmitter	Receiver

### Technical specifications

Transmitter		Receiver	
Power supply	2x1,5 V alkal.batteries AA	Power supply	directly via comm. line OT from boiler
Communication type	TWO-WAY	Communication line	twin-lead, without polarity, max. 50 m
Frequency	433,92 MHz	Protection class	IP20
Vf power	< 10 mW	Working temperature	0 to 40 °C
Number of set temp.	6 temperature changes		
Temp. setting range	3 to 39 °C		
Temperature setting	by 0,5 °C		
Measurement accuracy	±0,5 °C		
Protection class	IP20		
Working temperature	0 to 40 °C		
Languages	CZ, PL, EN, DE, RU, SK		



## PH-BP1-P9

9-channel receiver for zone control of floor heating

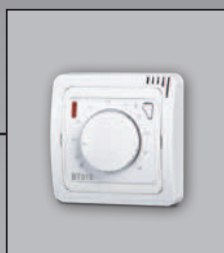
Order Nr.: - 1320

PH-BP1-P9 is used not only in the PocketHome® application but it can also work separately with wireless thermostats of the company Elektrobock CZ. These thermostats can be combined with each other, thus each of nine channels of a receiver acquires properties of the thermostat used. The receiver can also operate a boiler or a pump. Upon a request for heating of any channel, a relay No. 10 switches on automatically.

PH-BP1-P9



PH-BP1-P9 can be used with following thermostats:



BT010



BT220



BT230



BT320



BT320 GST



BT100



BT710





PH-BP1-P9

## Description:

- The 9-channel receiver PH-BP1-P9 in connection with the PH-BP1-V transmitters is used for wireless control of individual rooms (zone control) in a floor heating system.
- The entire set can be included in the PocketHome® system and all zones controlled from a single point by means of a central unit and/or through a PC. In that case it is first necessary to activate the PH-BP1-V transmitter in the central unit.
- In objects which do not necessitate central control the assembly can also work autonomously without a central unit.
- The main function of the receiver is controlling the distributor thermo-valves according to the requirements received from the corresponding transmitters. The receiver is able to receive signals from 9 transmitters at the most.

## Receiver



## Technical specifications

### Receiver

Power supply*	5 V DC , max. 900 mA (AD05, AD05-DIN)
Frequency	433,92 MHz
Reach	300 m (in free area), 35 m (in built-up area)
Sensitivity	≤102 dBm
Amount of output channels	9+1 (potential-free contacts)
Output	16 A
Switching element	relay
Protection degree	IP20
Working temperature	0 to 40 °C

\* it is necessary to buy the power supply AD05 - DIN, AD05-DU in addition to the device

## BT710

### Digital wireless thermostat

BT710 is a wireless thermostat (transmitter) which according to the required room temperature controls the receiver unit, BT001, BT002 or BT003, which switches the heating device connected.

BT710



BT710 can control up to 9 switching elements (receivers). The elements are switched subsequently to prevent current surges in the mains. The coverage in built-up area is approx. 35 m - depending on the receiver.

BT710-X-X are supplied with various colour combinations of plastics and LCD

## BT710

Order. Nr. - 6710

**BT710-1-1**

Order. Nr. - 6792

**BT710-3-1**

Order. Nr. - 6793

**BT710-1-5**

Order. Nr. - 6790

**BT710-3-5**

Order. Nr. - 6794

BT710

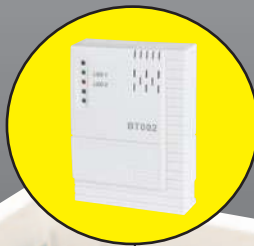
Example of controlling of 3 infrared panels in one room by one thermostat:

BT003

BT002

BT001

BT710



White / Black holder according colour  
of thermostat BT710-x-x

Transmitter



### Technical specifications

Transmitter	
Power supply	2x1,5 V alkal.batteries AA (not included)
Communication type	TWO-WAY
Frequency	433,92 MHz
Vf power	< 10 mW
Hysteresis	0,2 °C
Number of adjustable temperatures	6 temperature changes per day
Minimum program. time	10 minutes
Adjustable temp. range	5 °C to 39 °C (anti freeze 3 °C)
Temperature setting	by 0,5 °C
Minimum indication step	0,1 °C
Measurement accuracy	±0,5 °C



## BT32 GST

A sophisticated wireless thermostat which can be remotely controlled by meaning of SMS messages from your mobile phone.



App can be downloaded FOR FREE ON on GooglePlay

Can be downloaded for free on APP Store



## BT32 GST

Order Nr.: - 0641



Straight-  
-way  
socket

BT32 GST

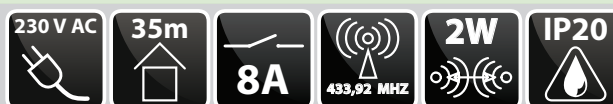
### Description:

- Enable to change the required temperature or change the mode by meaning from mobile phone
- Big, well-arranged and backlit display
- Intuitive navigation in the selected language(CZ/PL/EN/DE/RU/SK)
- 9 weekly programs
- 6 temperature changes per every day
- Possibility of setting HYSTERESIS, PI regulation or PID regulation
- Possibility of connectin an external temp. sensor
- Receiver with the CODE SELF-LEARNING system and E-EPROM memory
- Two-wire connection to the boiler (potential-free contact)

#### Transmitter



#### Receiver



### Technical specifications

Transmitter		Receiver	
Power supply	5 V DC, 2,5 A, typ AD05 - Jack	Power supply	230 V / 50 Hz
GSM module	SIM900	Output	8 A
Vf power	< 10 mW	Switching element	relay
Number of set temp.	6 per day	Reach	35 m
Hysteresis	0,1 to 6 °C	Working temperature	0 to 40 °C
Min. program. time	10 minutes		
Temp. setting range	3 to 39 °C		
Temperature setting	in 0,5 °C steps		
Measurement accuracy	±0,5 °C		
Working temperature	0 to 40 °C		
Languages	CZ, PL, EN, DE, RU, SK		





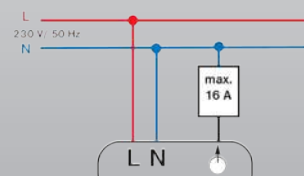
## BT001

Order Nr. - 0606

It switches the connected device according to the information received from the transmitting unit. Its great advantage is direct installation into the wiring box.

BT001 is suitable for switching heating panels, direct heaters, radiant panels, heating mats, etc.

**Communicate with all transmitters tagged BT.**

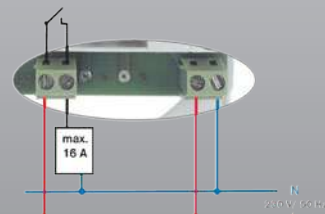


## BT002

Order Nr. - 0604

It switches the connected device according to the information received from the transmitting unit. BT002 is suitable for switching heating panels, direct heaters, radiant panels, heating mats, etc.

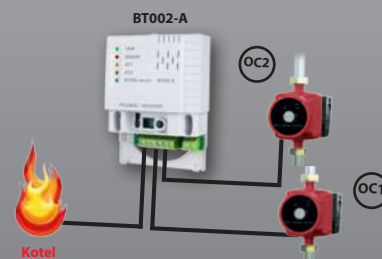
**Communicate with all transmitters tagged BT.**



## BT002-A

Order Nr. - 0609

It controls 2 independent zones and heating source (boiler).

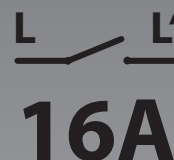


## BT003

Order Nr. - 0607

BPT003 is used for switching the heating device in connection with the thermostats.

**Communicate with all transmitters tagged BT.**



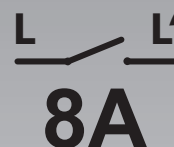
The appliance connects to the switching socket in the device



## BT005

Order Nr. - xxxx

**Communicate with all transmitters tagged BT.**



BT005 is designed for switching a heating device in connection with thermostats.

All receivers BT00x are equipped with a code self-learning system and the E-EPROM memory which saves the code stored even in the event of voltage failure.

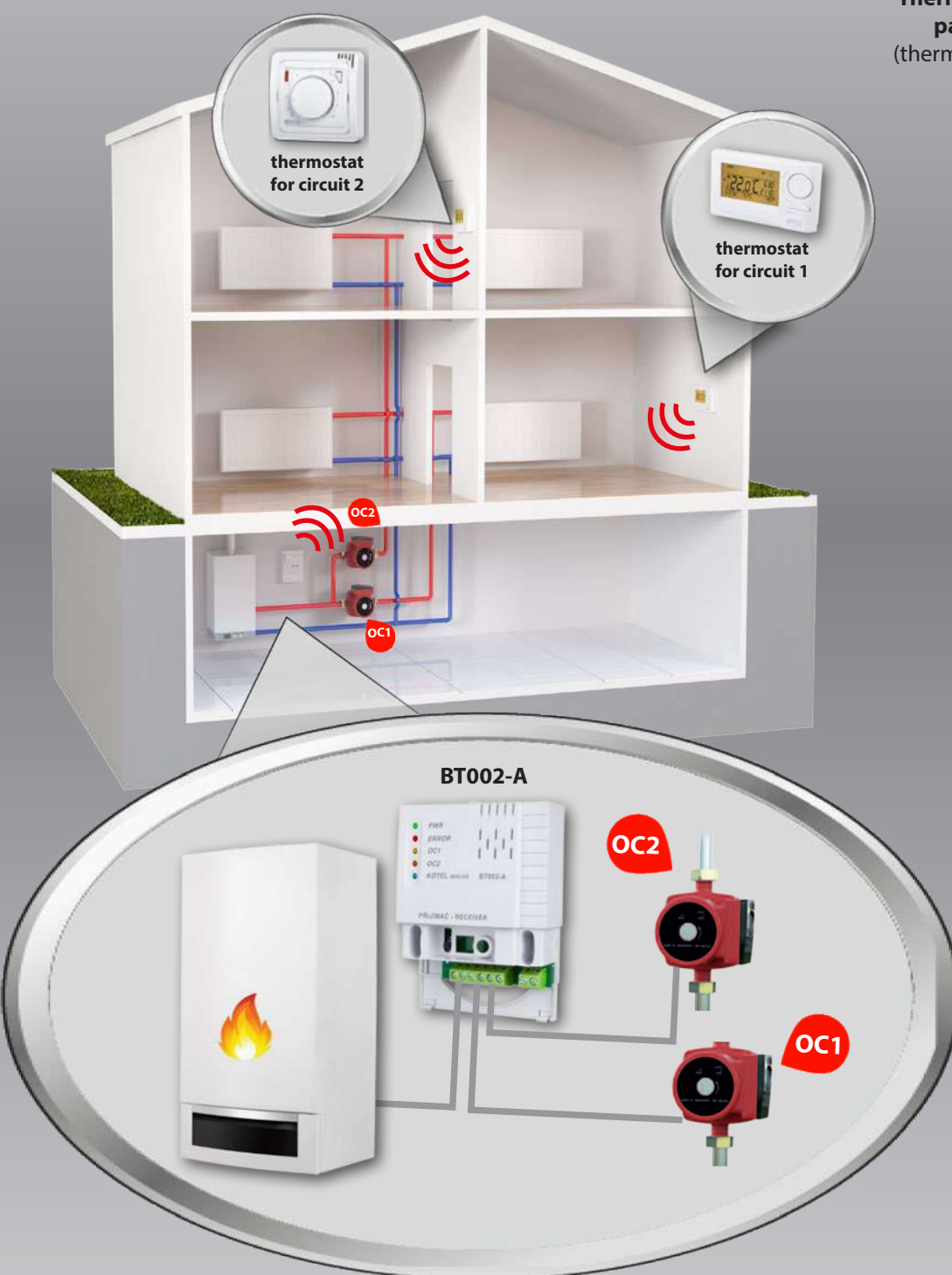
**Receivers are compatible with all transmitters BT serie.**

## BT002-A

Order Nr.: - 0609

**Two-channel wireless receiver BT002-A is designed for control of boiler and two circuit pumps.**

BT002-A is suitable for family houses with two independent heating circuits.



**Wireless receiver for two zones**

**Thermostats are suitable for pairing with BT002-A**  
(thermostat can be combined):



BT010



BT710



BT210



BT220  
BT320



BT100



BT230

BT002-A

## FRT7B2

Wireless thermostat

FRT7B2

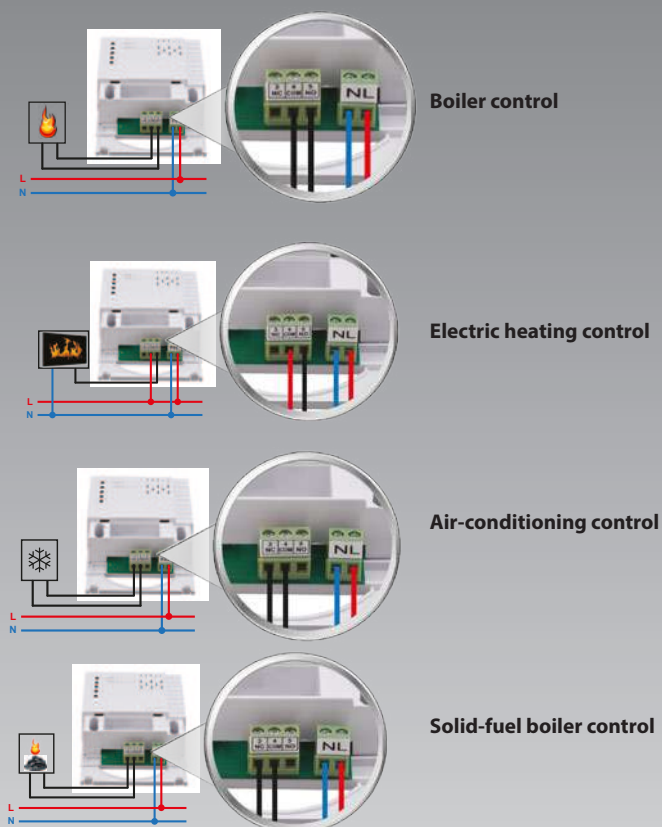
Order Nr.: - 6703

Order Nr.: - 6702



### Popis:

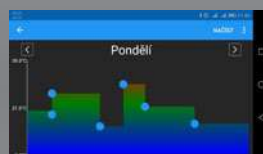
- clear backlit LCD
- 30 m range in a house
- 200 m range in an open area
- automatic daylight saving time
- modes MANU / AUTO / OFF / HOLIDAY
- temporary change of the desired temperature (PARTY)
- pre-set weekly program
- option to program per day or Mon–Fri, Sat–Sun and Mon–Sun
- 6 changes per day
- WINDOW function – decreases heating when temperature drops
- programming in 10 minute and 0.5 °C increments
- control range 5 to 39 °C
- setting option HYSTERESIS 0.1 to 6 °C
- temperature adjustment in 0.5 °C increments
- measurement accuracy  $\pm 0.5$  °C
- anti-freeze protection (3 °C)
- digital signal coding
- powered by 2 alkaline AAA 1.5 V batteries (batteries not included)



## HD03-BT

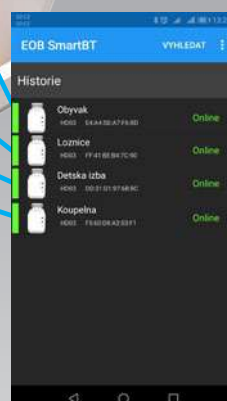
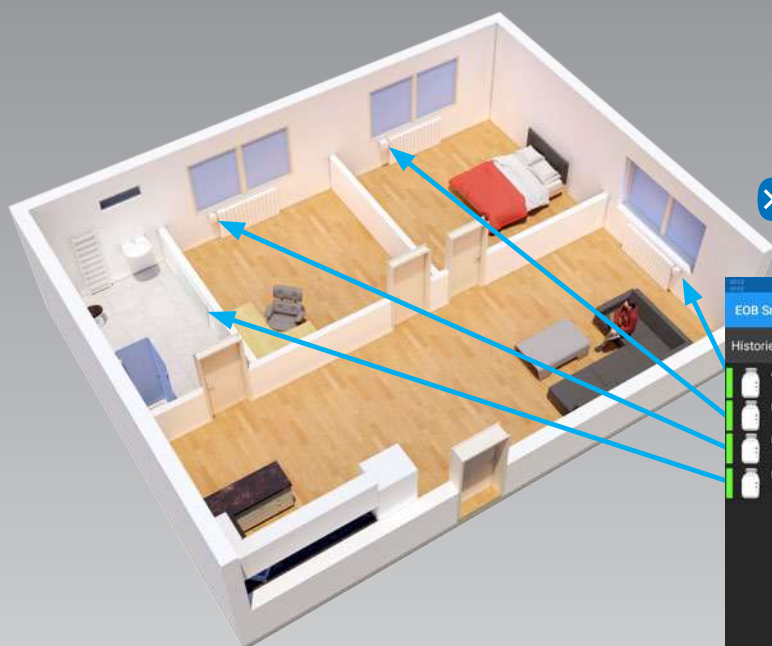
Order Nr.: - 0162

HD03-BT



Get optimal thermal comfort and save on excess heating. The HD03-BT digital head is designed for radiator temperature control. It features new functions for comfortable control of valves. Download the EOB SmartBT app to your Android or iOS smartphone and control the heating valve wirelessly. Via Bluetooth, you can easily set the program for every day with up to 6 changes. The head is designed for M30 × 1.5 mm valves, but it can also be installed on other types of valves using adapters, see page 41.

**FREE app for Android**



**FREE app for iOS**





## HD13

### Digital radiator head

The new thermostatic heads with a large backlit\* LCD are intended for temperature regulation in rooms with the hot water radiator system. New and improved functions of this product, such as the preset program, 8 programmable temperature changes every day, indication of an opened window, Boost function and freeze protection, result in a perfect tool for heating regulation at a favourable price.

\*Backlit LCD only for HD13-L and HD13-Profi

This head is manufactured in three versions that differ from each other in a backlit LCD and functions:

### HD13

Order Nr.: - 0163



### HD13-L

Order Nr.: - 0174



### HD13-Profi

Order Nr.: - 0175



## Digital radiator head

# HD13

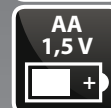
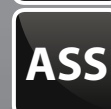
In developing the new HD13 digital head, we considered all the customers' experience and requirements we obtained during production and sales of previous versions HD10 and HD20. The new HD13 head has a large backlit LCD with a greater number of display segments. The LCD alternates data giving information on current regulation status, such as required temperature, opening percentage and time. This head is currently the smallest one on market and thus it does not take too much space at a radiator. Suitable location of the LCD and controls enables easier control.

Thus, when watching or adjusting the head, you don't have to go down to the head, or use a mirror as in case of other types. The head is equipped, as the previous types, with a quick-removable cover you appreciate for example during replacement of batteries. However, the special attention was paid to noise of a transmission mechanism. The motor mounting in a silentblock reduces noise to the lowest possible level.

HD13

TECHNICAL SPECIFICATIONS	HD13	HD13-L	HD13-PROFI
Backlit display	✗	✓	✓
For each day a different temperature program	✓	✓	✓
Temperature levels	2	2	6
Temperature changes per day	8	8	6
Minimal programming time	30 minutes	30 minutes	10 minutes
Temp. setting range	3 °C to 39 °C	3 °C to 39 °C	3 °C to 39 °C
Min. indicative leap	0.1 °C	0.1 °C	0.1 °C
Setting temperautre	0.5 °C	0.5 °C	0.5 °C
Automatic adaptation	✓	✓	✓
Short-term change of temperature	✓	✓	✓
Valve opening indication in %	✓	✓	✓
Function OFF	✓	✓	✓
Function BOOST*	✓	✓	✓
Protection against lime (ASS )	✓	✓	✓
Autommatic change summer/winter time	✓	✓	✓
Frost protection	✓	✓	✓
Open window function	✓	✓	✓
Adjustable parameters in Open window function	✗	✗	✓
Low battery indication	✓	✓	✓
Manual controlling of valve	✓	✓	✓
Backup of time by battery change	✓ 15 s	✓ 15 s	✓ 15 s
EEPROM memory	✗	✗	✓
Preliminary heating start function	✗	✗	✓
Key lock	✗	✗	✓
External sensor connector	✗	✗	✓
Connector for external power supply	✗	✗	✓
Summer mode	✓	✓	✓
Connecting nut	plastic	plastic	metal
Consumption	10 µA emergency stand 30 mA by activ motor	10 µA emergency stand 30 mA by activ motor	10 µA emergency stand 30 mA by activ motor
Delivered batteries	2 x 1,5 V AA alkalic	2 x 1,5 V AA alkalic	2 x 1,5 V AA Lithium

\*BOOST Function - after activaton the valve will be open for 100 % for 5 minutes.



## Reduction:

HD13 are designed to be mounted on standard valves M30x1,5mm. For other types of valves we produce following reductions.



Herz



Myjava



Giacomoni



Coterm



Danfoss



Danfoss RTD

## TS01

Order Nr.: - 0154

## TS05

Order Nr.: - 0170

## TS10

Order Nr.: - 0151

## TS20

Order Nr.: - 0150

### Thermo switch sockets

There are produced four versions with different features.



## Advantages of TS20:

- for every day can be the other programme
- three temperature levels (comfort, economic, party)
- adjustable HYSTERESIS (from 0,1°C to 6°C)
- easy controlling and programing
- short-term change of temperature
- function OFF
- regulation by 0,5°C
- well-arranged display
- back-up battery

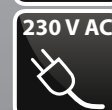


# TS01 TS05 TS10 TS20

TS

Settings specifications	TS01	TS05	TS10	TS20
For each day different program	✗	✗	✓	✓
Temperature levels	-	-	2	3
Changes per day	-	-	4	6
Min. programming time	-	-	30 minutes	10 minutes
Adjustable range	11 °C to 29 °C	3 °C to 40 °C	3 °C to 40 °C	3 °C to 40 °C
Min. indicative leap	-	0,5 °C	0,1 °C	0,1 °C
Measurement accuracy	1 °C	0,5 °C	0,5 °C	0,5 °C
Hysteresis	0,3 °C	0,5 °C	0,5 °C	0,1 °C to 6 °C
Type of regulation	ON / OFF	ON / OFF	ON / OFF	ON / OFF
Open window function	✗	✗	✓	✓
Preliminary heating start function	✗	✗	✗	✓
Function OFF	✓	✓	✓	✓
Frost protection	✗	✗	✓	✓
Short-term change of temperature	✗	✗	✓	✓
Low battery indication	✗	✗	✓	✓
Key lock	✗	✗	✓	✓
Temperature setting	1 °C	0,5 °C	0,5 °C	0,5 °C
Saving of setting	✗	✗	everlasting (EEPROM)	everlasting (EEPROM)
Backup battery	✗	✗	50 hours	100 hours

Technical specifications	TS01	TS05	TS10	TS20
Power supply	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz
Consumption	< 0,5 VA	< 0,5 VA	< 0,5 VA	< 0,5 VA
Output	relay	relay	relay	relay
Max. load	max. 16 A	max. 16 A	max. 16 A	max. 16 A
Backup battery	-	-	NiMh 2,4 V / 40 mAh	NiMh 2,4 V / 80 mAh
Protection class	IP20	IP20	IP20	IP20
Working temperature	0 °C to 40 °C	0 °C to 40 °C	0 °C to 40 °C	0 °C to 40 °C



Electric heating panel



Direct heating body



Towel drier



Infrared panel



## TS11 GST

GSM socket for remote control via mobile phone

Order Nr.: - 0172

TS11 GST is used to control appliances using short SMS or dialing from a mobile phone. GSM socket has an input for temperature sensor or potential-free contact. The GSM socket is also built-in microphone for wiretapping.

TS11 GST



1 x CT06 - 10K - included



1 x CT11 - Jack-vacuole - included



Remote control of thermostat via SMS



Remote control via Android APP and iOS



- Automatically sends SMS when temperature thresholds are exceeded the measured at input
- Rings on one telephone number for exceeding temperature limits
- Automatically switch output when on input are exceeded temperature limits
- Regulation with the hysteresis 1 °C
- Controls the output according to the temperature at the input
- Automatically sends an SMS with information about the state (switching on or off) the input contact
- Rings up to phone number when changing the state of input contact
- Automatically switch output when change on input
- Time control output
- Output is controled by ringing on the set time t (1s to 999 minutes)
- It works as eavesdropping
- Restart, shutdown current output socket on 20s (for servers)
- LED indicators to determine the status of GSM socket

App can be downloaded  
FOR FREE ON on  
GooglePlay



Can be downloaded for  
free on AppStore



### Technical specifications

Power supply	230 V / 50 Hz
GSM module	SIM300 900 / 1800 MHz
Input	<b>temp. sensor CT06-10k-jack (included)</b> <b>bistable CT11 jack (included)</b>
Output	max. 16 A / 250 V (AC1)
GSM antenna	direct 1 dB
Dimensions	130 x 57 x 85 mm
Working temp.	0 °C to 40 °C



## Wireless Wifi socket

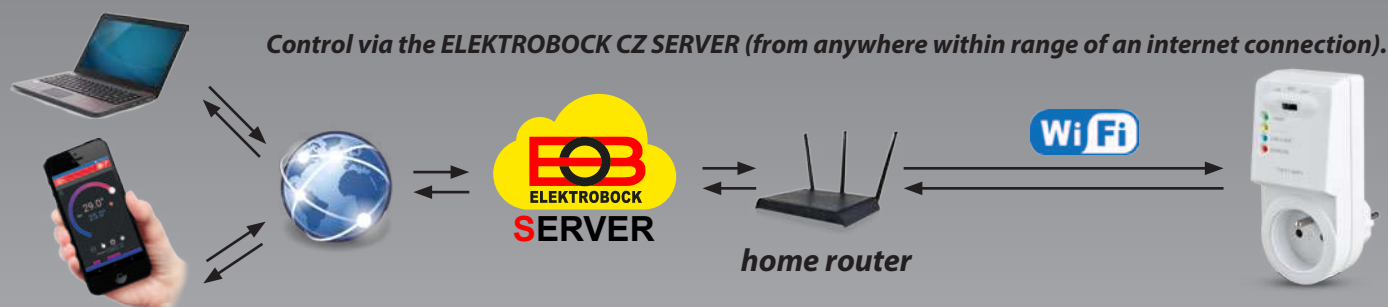
# TS11 WiFi

Order Nr.: 0076

TS11 WiFi



+



### Technical specifications

Power supply	230 V / 50 Hz
Temperature changes in day	16
WiFi communication	802.11 b/g/n
WiFi module	ESP-WROOM-02D
WiFi sensitivity	-91 dBm
Minimal programming time	1 minute
Consumption	1,5 W
Protection degree	IP20
Connectivity	WiFi
Output	max. 16 A
Working temperature	0 to 40 °C

FREE app for Android

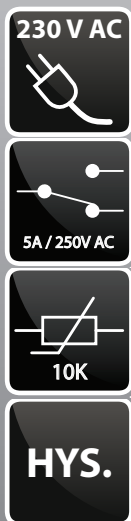


## RJ401

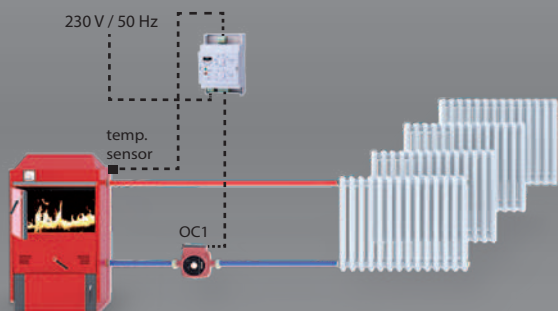
### Temperature switch

Order Nr.: - 4401

RJ401 is designed for switching the circulating pump at the desired temperature and afterwards switch off the pump by falling of temperature for preset hysteresis.

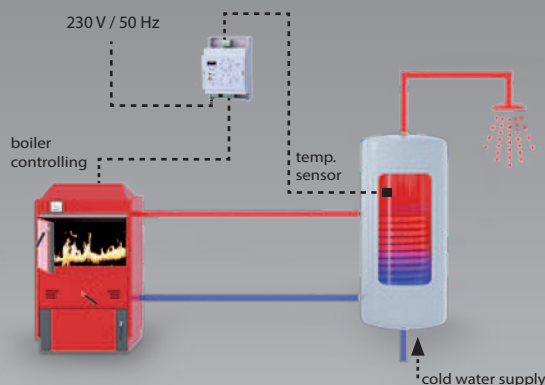


CT01 - 10K - included in the package



#### Function:

After the boiler has been started and a required temperature has been reached, OC1 shall switch on. If the boiler is again cooled down at the beginning by a returning cold water, OC1 shall switch off. This partially reduces the boiler "pitching" due to a cold return pipe. If the boiler stops and becomes partially cold, OC1 shall switch off as well. This prevents the pump from running uselessly.



Technical specifications	
Power supply	230 V / 50 Hz
Consumption	up to 0,5 W
Regulation range	20 °C to 80 °C
Hysteresis	2 °C to 35 °C
Working temp.	0 °C to 50 °C
Outputs	relay 5 A / 250 V AC potential free contacts
Protection class	IP20
Installation	on DIN rail
Temperature sensor 10K	1 pcs

#### Automatic start of the boiler upon decrease of the central heating water temperature - control of recharging (only for boilers enabling this function)

When the tank temperature decreases below the set value, the contact shall switch on and the boiler shall start. When the required temperature is reached, the boiler shall stop. Advantage of this control is the possibility of adjusting hysteresis in the range from 2 to 35 °C.

## Differential temp. switch

# RJ402

Order Nr.: 4402

RJ402 is designed for switching the pump by preset difference of temperatures and afterwards switch off the pump by falling of temperature difference for preset hysteresis.



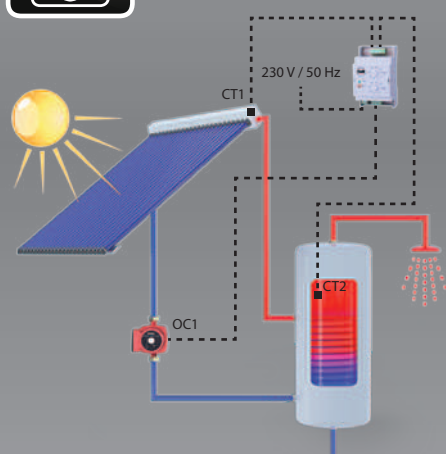
2x



2 x CT01 - 10K - included in the package

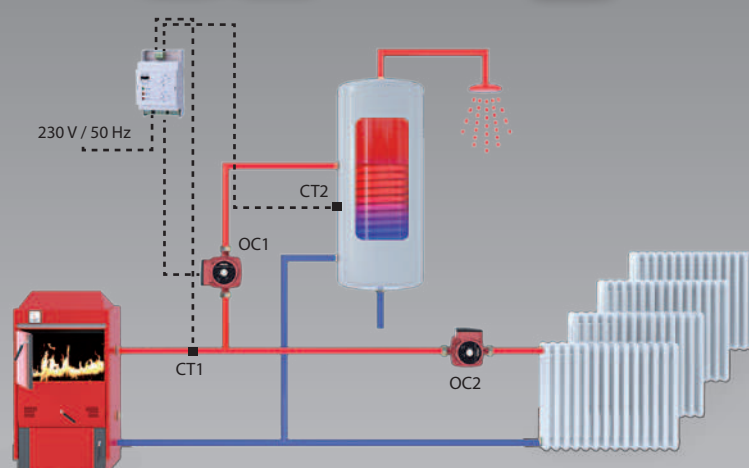


RJ402



### Controlling of pump by solar system:

RJ402 compares a temperature difference between CT1 and CT2. When CT1 becomes warmer than CT2 by a set value, the relay shall switch on and the motor OC1 shall start. If the solarium temperature decreases by a set limit, OC1 shall stop.



### Automatic charging of hot water tank:

RJ402 measures temperature in the heat source, in the boiler in this case. If the boiler temperature is higher by a selected value than the tank temperature, OC1 shall start resulting in hot service water recharging. When difference of temperatures decreases by a set value (drop), the hot service water tank recharging shall stop.

### Technical specifications

Power supply	230 V / 50 Hz
Consumption	up to 0,5 W
Max. temp. on the sensor	-20 °C to 120 °C
Diff. of temperatures	2 °C to 50 °C
Hysteresis	2 °C to 35 °C
Working temp.	0 °C to 50 °C
Outputs	relay 5 A / 250 V AC potential free contacts
Protection class	IP20
Installation	on DIN rail
Temperature sensor 10K	2 pcs

## RJ403

Order Nr.: - 4403

Two-level electronic thermostat

RJ403 is designed for switching the circulating pump by preset temperature T1 and T2 and afterward switch off the pump by falling of temperature for 5 °C.

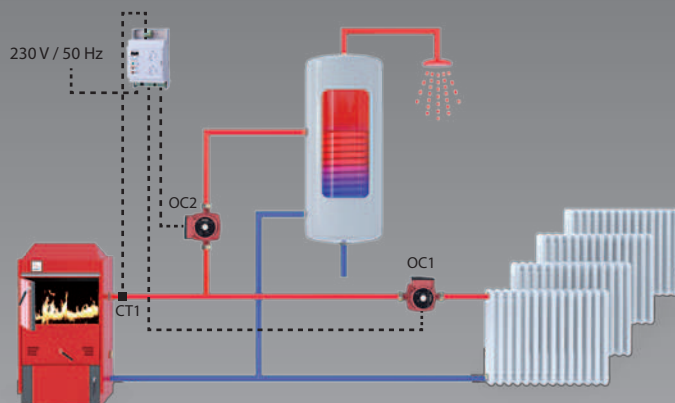
RJ403



2x



CT01 - 10K - included in the package



### RJ403 has two adjustable levels for switching:

When the heat source temperature reaches the first level, RE1 shall switch on resulting in OC1 to start to supply energy to the heating system.

If there is sufficient energy in the system and water temperature continues increasing, its temperature shall reach the second level resulting in the hot service water tank recharging. Hysteresis of both values is fixed to 5 °C.

In case of a failure of the temperature sensor, both pumps shall start.

### Technical specifications

Power supply	230 V / 50 Hz
Consumption	1 W
Regulation range	20 °C to 80 °C
Hysteresis	5 °C
Working temp.	0 °C to 50 °C
Outputs	relay 5 A / 250 V AC potential free contacts
Protection class	IP20
Installation	on DIN rail
Temperature sensor 10K	1 pcs

## Three/four-way valve controller

R3V is digital programmable electronic controller for three/four-way valves with continuous regulation of movement and with controlling of pump.

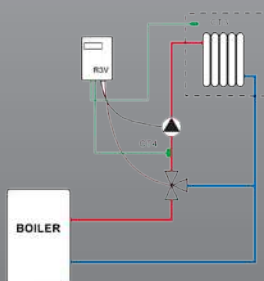
# R3V

Order Nr.: - 4201

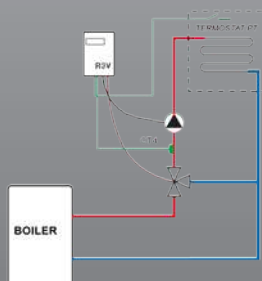


R3V

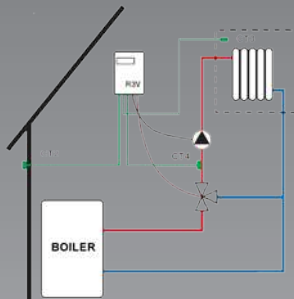
Regulation number 1



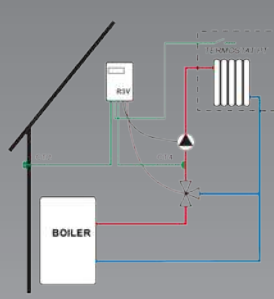
Regulation number 2



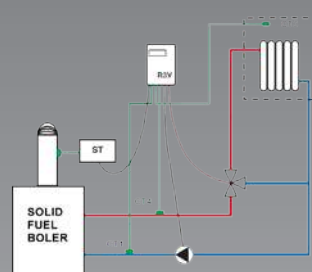
Regulation number 3



Regulation number 4



Regulation number 5



### Basic features:

- temperatures indication on LCD
- weekly programming
- six programmes and six temp. changes per day
- six types of regulation
- storage of programmes by power failure
- automatic summer/winter time change
- maximum temp. monitoring for central heating
- return pipe temperature monitoring
- selection of temperature of: return pipe, room, downstream of valve
- selection of regulation interval
- selection of valve run length
- selection of pump running down
- automatic adaptation

### Technical specifications

Power supply	5 V DC, 500 mA
Consumption	< 1,5 W
I max (for pump)	5 A
I max (for motorized valve)	0,5 A
Number of temp. changes	6 for each day
Min. programming time	10 minutes
Temp. setting	by 0,5 °C
Min. indication leap	0,1 °C
Measurement accuracy	±0,5 °C
Protection class	IP20
Working temperature	0 °C to 40 °C

\* for controller it is necessary to buy power supply unit AD05-DIN - not included in the package



## R3V-421

Controller for valves for two zones systems

Order Nr.: - 4421

R3V-421 is intended for continuous regulation of actuators of mixing valves for one or two heating circuits. Regulation is based on the room temperature, outdoor temperature, temperature downstream of the valve or the return pipe temperature.

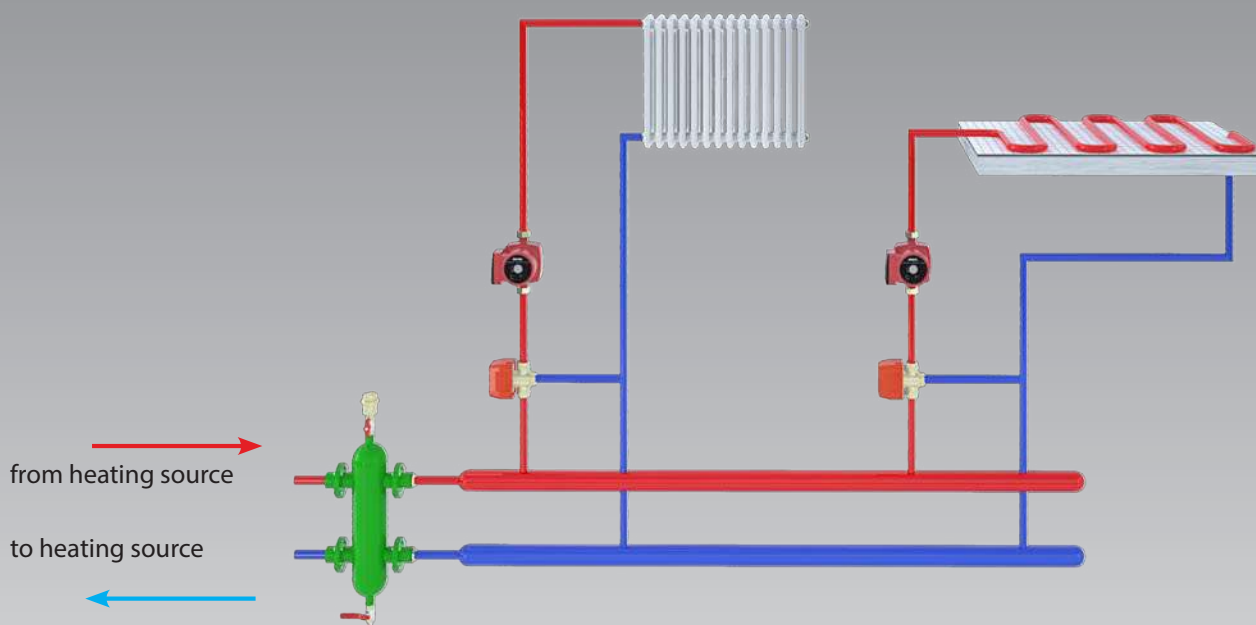
Depending on a selected regulation mode, regulation can be matched to the given system by adjusting constants.



### Technical specifications

Power supply	5 V DC, 500 mA
Consumption	< 1,5 W
I max	5 A
Number of temp. changes	6 for each day
Min. programming time	10 minutes
Temp. setting	by 0,5 °C
Min. indication leap	0,1 °C
Measurement accuracy	±0,5 °C
Protection class	IP20
Working temperature	0 °C to 40 °C

\* for controller it is necessary to by power supply unit AD05-DIN - not included in the package



## Circuit regulator for three / four-way valves

# R3V-422

Order Nr.: 4422

R3V-422 is intended for continuous regulation of actuators of mixing valves for one or two heating circuits. Depending on a selected regulation mode, regulation can be matched to the given system by adjusting constants.



### Technical specifications

Power supply	5 V DC, 500 mA
Consumption	< 1,5 W
I max	5 A
Number of temp. changes	6 for each day
Min. programming time	10 minutes
Adjustable temp. range	2 °C to 99 °C
Temp. setting	by 0,5 °C
Min. indication leap	0,1 °C
Measurement accuracy	±0,5 °C
Outputs	250 V AC
Protection class	IP20
Working temperature	0 °C to 40°C

\* for controller it is necessary to by power supply unit AD05-DIN - not included in the package



R3V-422

Diagram 1

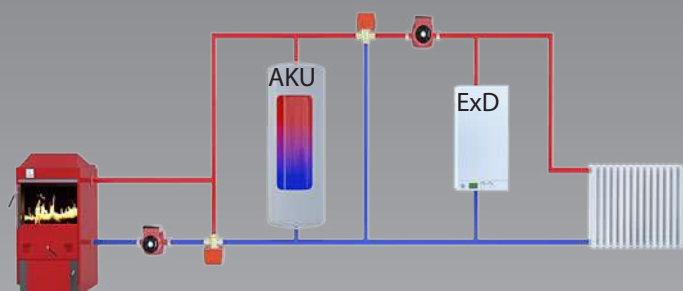


Diagram 2

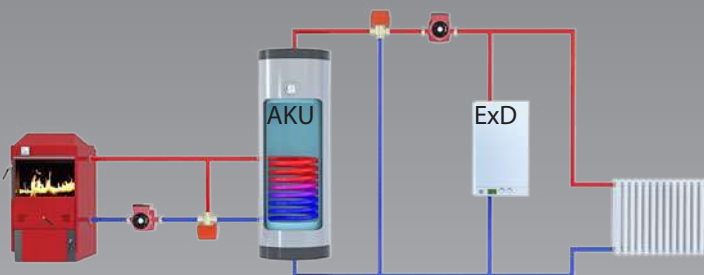


Diagram 3

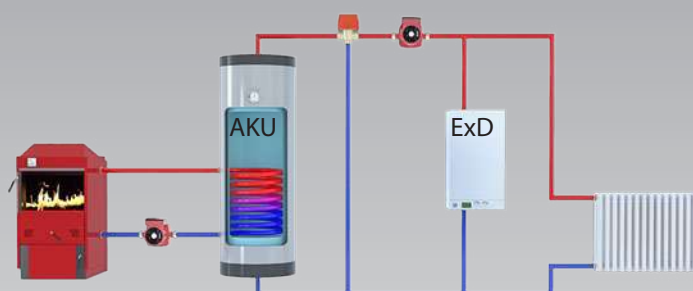
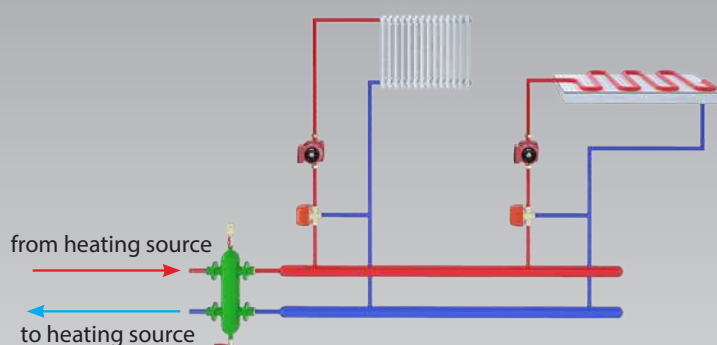


Diagram 4



## R3V-A1

**Three/four-way valve controller**  
**Return pipe temperature monitoring**

Order Nr.: - 4423

The device is intended for continuous regulation of an actuator of a mixing valve and control of a circulating pump depending on a required and an actual return pipe temperature. R3V-A1 maintains the return pipe temperature for boilers at a required level, thereby improves burning parameters and extends the boiler life. The boilers controlled in this way do not show low-temperature corrosion.

R3V-A1



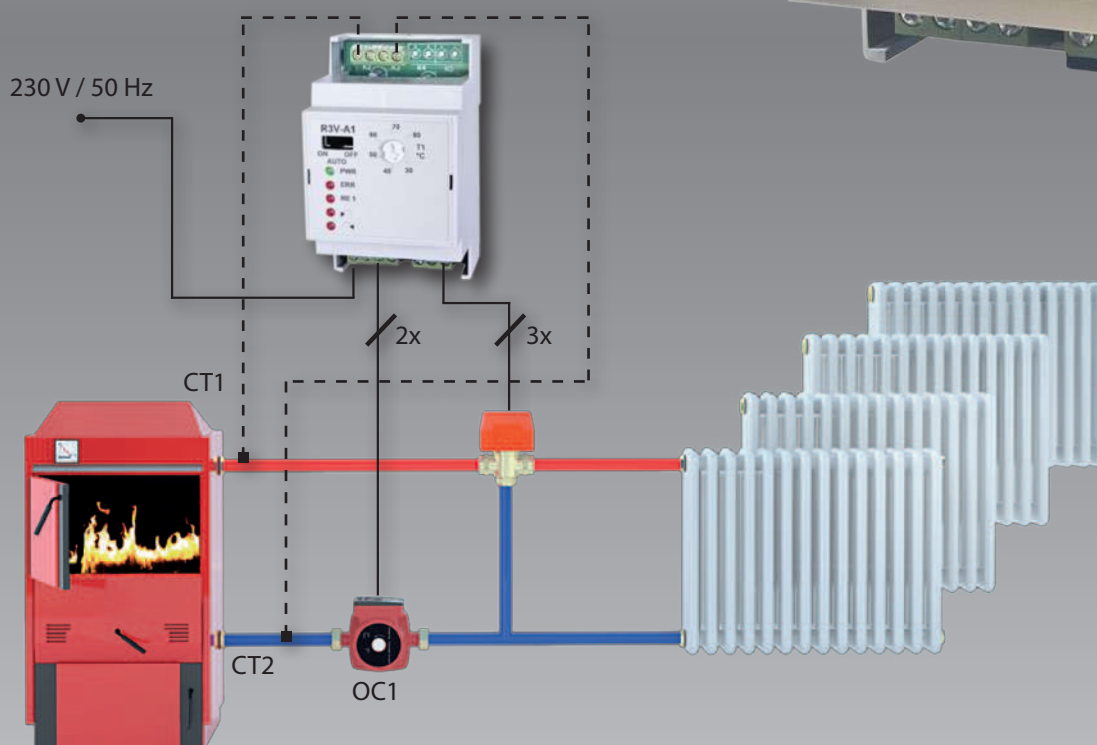
2x



2x



2 x CT01 - 10K - included



Technical specifications		Output OC 1	relay
Power supply	230 V / 50 Hz	Switching current	max. 8 A / AC1
Consumption	< 1 W	Contact type	switching
Working temp.	0 °C to 50 °C	Type of valve	optotriac
Regulation range	30 °C to 80 °C	Switching current	max. 0,1 A / AC1
Back water temp.	30 °C to 80 °C	Contact type	semiconductor

Order Nr.: - 4424

# R3V-A2





## R3V-A3

Equithermal regulator of three way valves

Order Nr.: - 4425

R3V-A3 is designed for regulation of water temperature for heating depending on outer temperature with priority of monitoring back water from boiler, which is set on 60 °C.

R3V-A3



2x



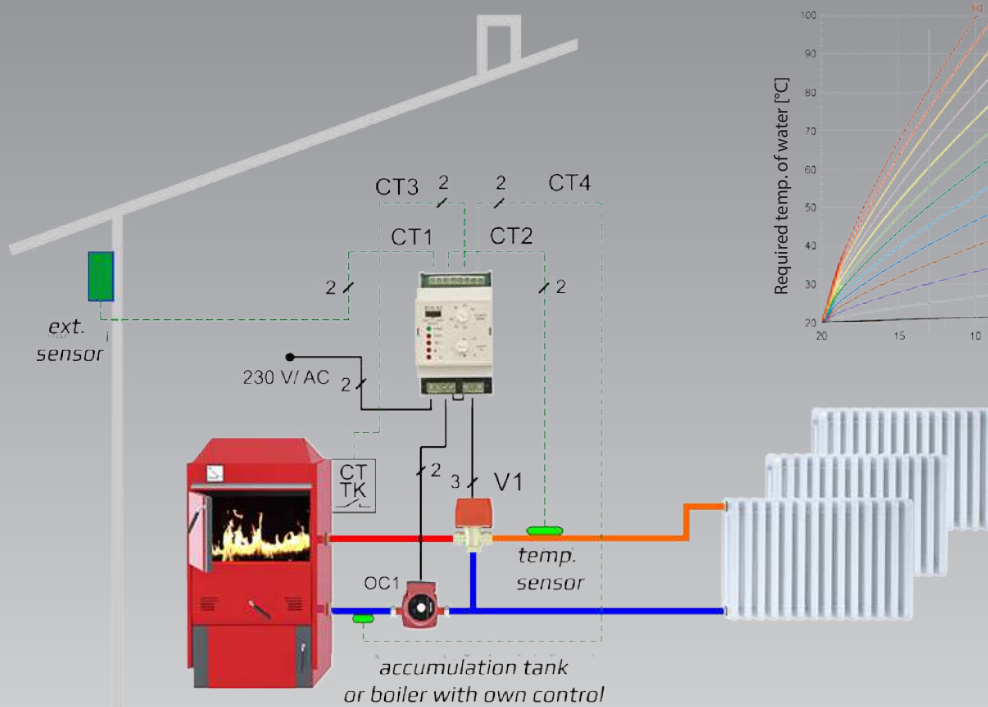
4x



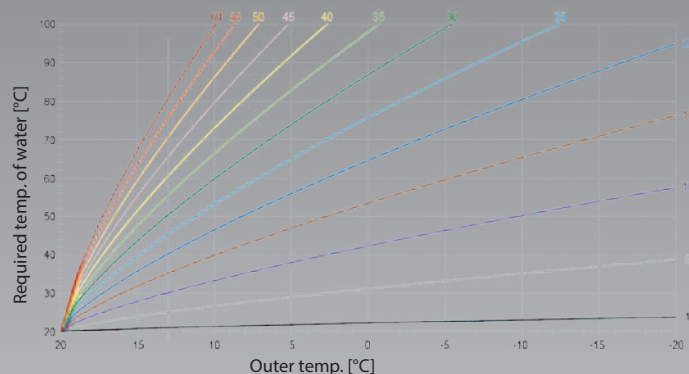
CT01 - 10K - included in the package



CT05 - 10K - included in the package



A required water temp. depending on outdoor temperature for equithermal regulation.

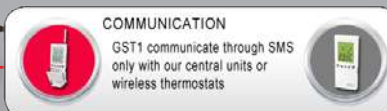


[www.history.elektrobock.cz/Equitherm](http://www.history.elektrobock.cz/Equitherm)

## GSM module for controlling of thermostat via SMS messages

GST1 module is used for wireless remote control thermostat and central units in PocketHome® system.

By sending SMS messages from your mobile phone can regulate the temperature in the room, or receive the current information about all units. You can receive back messages to set telephone number.



### COMMUNICATION

GST1 communicate through SMS only with our central units or wireless thermostats

Connectable devices:

- PT32
- BT32
- BT52

## GST 1

Order Nr. - 1307

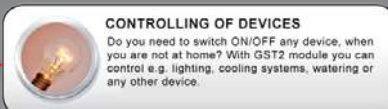


GSM modules

## Universal GSM module for advanced controlling of devices via SMS messages

Main advantage of this module GST2 are 2 inputs and 2 outputs.

Different functions can be assigned to these inputs and outputs. GST2 can control thermostats and other devices as well.



### CONTROLLING OF DEVICES

Do you need to switch ON/OFF any device, when you are not at home? With GST2 module you can control e.g. lighting, cooling systems, watering or any other device.



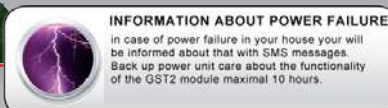
### HEATING REGULATION

With SMS messages you can control the heating in whole house. You can change the required temperature or you can gain the information about your heating system.



### SECURITY OF REAL ESTATE

You will be informed about all situations in your house through the SMS message. Advantage is the connection to your current alarm.



### INFORMATION ABOUT POWER FAILURE

In case of power failure in your house you will be informed about that with SMS messages. Back up power unit care about the functionality of the GST2 module maximal 10 hours.



### GARAGE DOOR

it enables you comfortable entering into your garage. Just through ringing it open the garage doors.







Connectable devices:

- PT32
- PT59x
- BT32
- BT37
- BT52

## GST 2

Order Nr. 1331



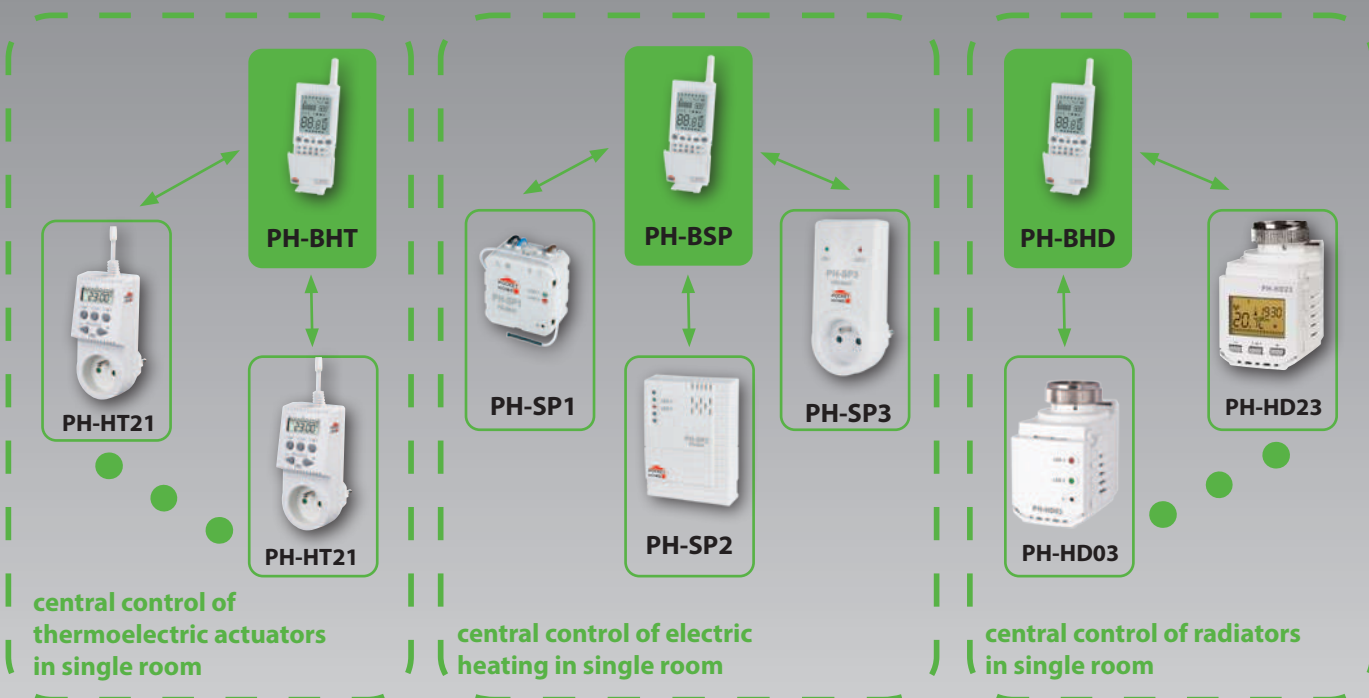
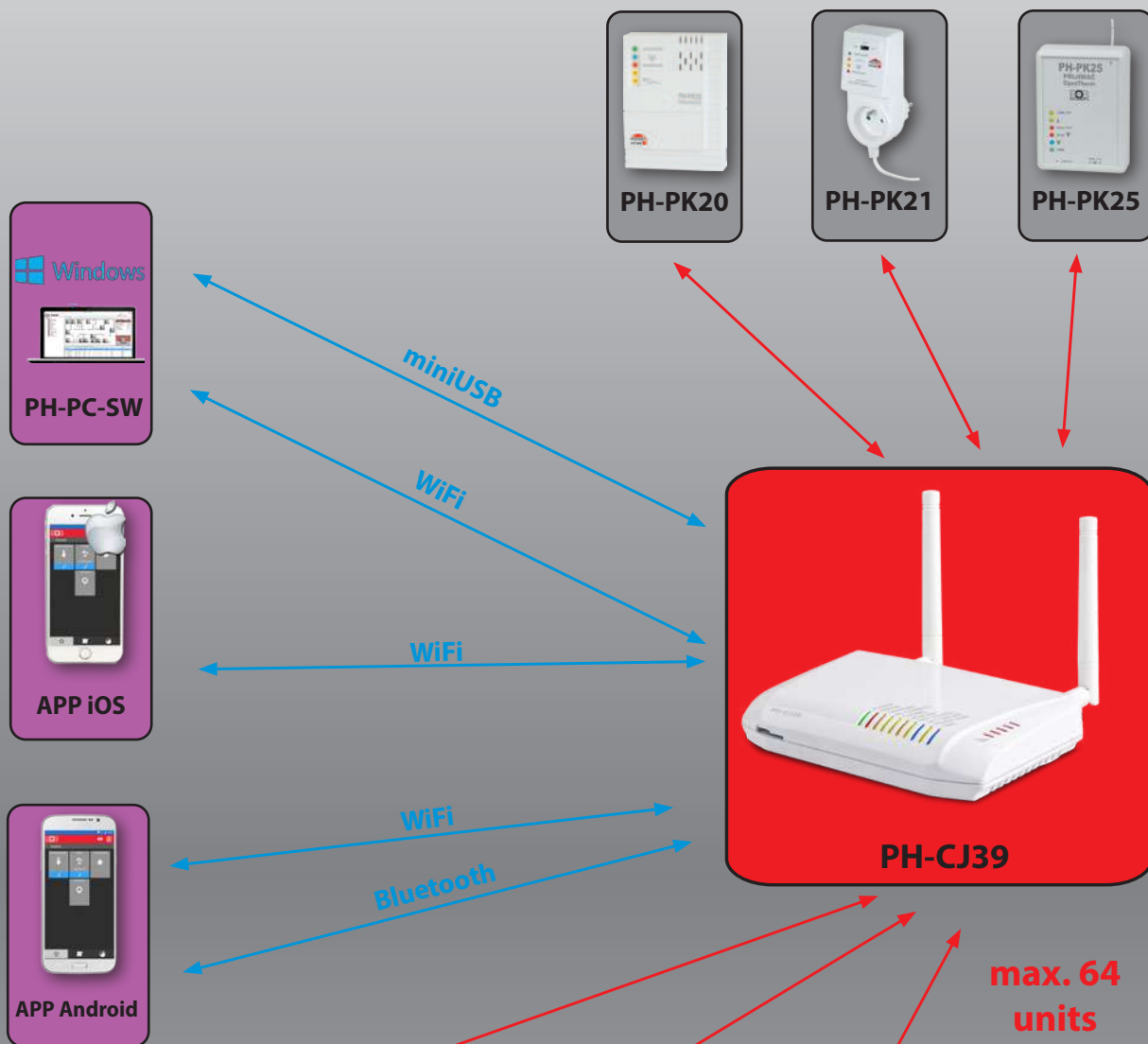
WIRED	PT01	PT04	PT10 PT11	PT14 PT14-HT	PT22 PT23	PT32	PT52	PT712	PT713
									
Type of regulation	ON / OFF	ON / OFF	ON / OFF	ON / OFF	ON / OFF	ON / OFF	OT+	ON/OFF	ON/OFF
Output	relay potential-free	relay 230 V AC / 16 A	relay potential-free	relay 230 V AC / 16 A	relay potential-free	relay potential-free	data	relay potential-free	relay potential-free
Equitherme regulation	✗	✗	✗	✗	✗	✗	✓	✗	✗
Regulation type	HYS.	HYS.	HYS.	PWM	HYS.	HYS., PID, PI	PI / Eqv.	HYS.	HYS. / PI
Power supply	2 x 1,5 V AA	230V / 50 Hz	2 x 1,5 V AA	230V / 50 Hz	2 x 1,5 V AA	2 x 1,5 V AA	OT LINE	230V / 50 Hz	230V / 50 Hz
Preliminary switch on	✗	✗	✗	✗	✗	✓	✓	✗	✓
Hysteresis	0,3 °C	0,3 °C	0,1 °C	0,3 °C	0,1 °C - 6 °C	0,1 °C - 6 °C	5 °C pro domestic water	0,1 °C - 5 °C	0,1 °C - 5 °C
Temperature range	11 °C to 29 °C	9 °C to 29 °C	5 °C to 39 °C	3 °C to 39,5 °C	3 °C to 39 °C	3 °C to 39 °C	3 °C - 39 °C	5 °C - 39,5 °C / 99 °C	5 °C - 39,5 °C / 99 °C
Minimal indication	✗	✗	0,5 °C	0,1 °C	0,1 °C	0,1 °C	0,1 °C	0,1 °C	0,1 °C
Min. programmable time	✗	✗	30 min	✗	10 min	10 min	10 min	10 min	10 min
Measurement accuracy	±0,5 °C	±1 °C	±0,5 °C	±1 °C	±0,5 °C	±0,5 °C	±0,5 °C	±0,5 °C	±0,5 °C
Temperature correction	✗	✗	✗	✗	✗	✓	✓	✗	✓
Temperature changes/ day	✗	✗	4	0	6	6	6	6	6
Programme	✗	✗	daily / weekly	✗	daily / weekly	daily / weekly	daily / weekly	daily / weekly	daily / weekly
Temperature count	1	1	2	1	6	6	6	6	6
Copying of days by programming	✗	✗	✓	✗	✓	✓	✓	✓	✓
Holiday mode	✗	✗	✗	✗	✓	✓	✓	✓	✓
Short time temperature change	✗	✗	✓	✗	✓	✓	✓	✓	✓
Aut. change winter / summer time	✗	✗	✗	✗	✓	✓	✓	✓	✓
Even / odd week change	✗	✗	✗	✗	✓	✓	✓	✗	✓
Calendar	✗	✗	✗	✗	✓	✓	✓	✓	✓
Boiler maintenance indication	✗	✗	✗	✗	✓	✓	✓	✗	✗
Data backup by battery change	✗	-	about 20 s	✗	∞	∞	∞	∞	∞
EEPROM memory permanent backup	✗	-	✗	✗	✓	✓	✓	✓	✓
Possibility of connection of external sensor	✗	✗	✗	✓	✗	✗	✗	✓	✓
Backlit LCD	✗	✗	✗	✓	✓	✓	✓	✓	✓

# Overview of wire thermostats

WIRELESS		BT102	BT012	BT013	BT22	BT23 RF	BT32	BT52	BT713
									
<b>Receiver</b>	Power supply	230V / 50 Hz	230V / 50 Hz	230V / 50 Hz	230V / 50 Hz	230V / 50 Hz	230V / 50 Hz	230V / 50 Hz	230V / 50 Hz
	Sensitivity	≤95 dBm	≤95 dBm	≤95dBm	≤102 dBm	≤102 dBm	≤102 dBm	≤102dBm	≤95 dBm
	Reach	~ 30 m	~ 30 m	~ 30 m	~ 35 m	~ 35 m	~ 35 m	~ 35 m	~ 30 m
	Output	16 A / 250V AC	16 A / 250V AC	8 A / 250V AC	8 A / 250V AC	8 A / 250V AC	8 A / 250V AC	Data	16 A / 250V AC
<b>Transmitter</b>	Power supply	alkaline batteries 2 x 1,5 V AA	alkaline batteries 2 x 1,5 V AA	alkaline batteries 2 x 1,5 V AA	alkaline batteries 2 x 1,5 V AA	alkaline batteries 2 x 1,5 V AA	alkaline batteries 2 x 1,5 V AA	alkaline batteries 2 x bpt1,5 V AA	alkaline batteries 2 x 1,5 V AA
	Batteries included in the package	NO	YES	YES	YES	YES	YES	YES	NO
	Backlit display	✗	✗	✗	✓	✓	✓	✓	✓
	Temperature changes/day	2	-	-	6	6	6	6	6
Type of communication	TWO-WAY	TWO-WAY	TWO-WAY	TWO-WAY	TWO-WAY	TWO-WAY	TWO-WAY	TWO-WAY	TWO-WAY
Frequency 433,92 MHz									
Vf performance	< 10 mW	< 10 mW	< 10 mW	< 10 mW	< 10 mW	< 10 mW	< 10 mW	< 10 mW	< 10 mW
PI regulation	✗	✗	✗	✗	✗	✗	✓	✓	✗
Preliminary switch on	✗	✗	✗	✗	✗	✗	✓	✓	✗
Equitherme regulation	✗	✗	✗	✗	✗	✗	✗	✓	✗
Hysteresis	0,5 °C	0,4 °C	0,4 °C	0,1 °C ~ 6 °C	0,1 °C ~ 6 °C	0,1 °C ~ 6 °C	0,1 °C ~ 6 °C	5 °C for DW	0,2 °C
Temperature range	5 °C ~ 39 °C	11 °C - 29 °C	11 °C - 29 °C	5 °C - 39 °C	5 °C - 39 °C	5 °C - 39 °C	3 °C - 39 °C	3 °C - 39 °C	5 °C - 39 °C
Minimal indication step	0,1 °C	✗	✗	0,1 °C	0,1 °C	0,1 °C	0,1 °C	0,1 °C	0,1 °C
Min. programming time	30 min	✗	✗	10 min	10 min	10 min	10 min	10 min	10 min
Measurement accuracy	±0,5 °C	±1 °C	±1 °C	±0,5 °C	±0,5 °C	±0,5 °C	±0,5 °C	±0,5 °C	±0,5 °C
Copying of days	✓	✗	✗	✓	✓	✓	✓	✓	✓
Holiday mode	✗	✗	✗	✓	✓	✓	✓	✓	✓
Short term temperature change	✓	✗	✗	✓	✓	✓	✓	✓	✓
Aut. change summer/winter time	✗	✗	✗	✓	✓	✓	✓	✓	✓
Odd / even week setting	✗	✗	✗	✗	✗	✗	✓	✓	✗
Calendar	✗	✗	✗	✓	✓	✓	✓	✓	✓
Boiler maintenance indication	✗	✗	✗	✗	✗	✗	✓	✓	✗
Data back by power failure	about 25 s	✗	✗	✗	✓	✓	✓	✓	✓
Possibility of ext. sensor	✗	✗	✗	✗	✗	✗	✓	✓	✗
Possibility of GSM module	✗	✗	✗	✗	✗	✗	✓	✓	✗

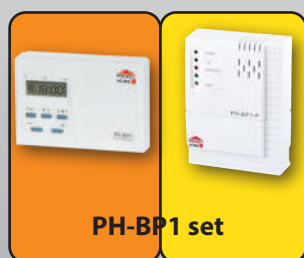
# Wireless





# POCKET HOME

PocketHome wireless control of heating



- **CENTRAL UNIT OF POCKETHOME SYSTEM**
- **CENTRAL UNITS FOR SINGLE ROOM**
- **TRANSMITTERS**
- **RECEIVERS**
- **BOILER RECEIVERS**
- **APPS**

## PH-CJ39

New universal central unit for POCKETHOME



For detailed information, see the POCKETHOME catalogue and our YouTube channel.



### Communicate through:

- USB
- RS232
- RFM
- WIFI
- Ethernet
- GSM

### More information:



## Signal strength indicator for frequency 433.92 MHz

# ISS02

Order Nr.: - 9001



**Green** LED lit. No signal from transmitter, even from interference source.



Only **green** LED + 3 **reds** lit. Weak signal from transmitter, which can be by units with FSK communication already processed.



Only **green** LED + 4 and more **reds** lit. Good signal from transmitter.



**Green** LED + 7 and more **reds** lit. Very good signal from transmitter.



ISS02

## Thermoelectric actuator

It is intended for control of radiator valves as well as zone valves of the floor heating distributors. Its advantage is noiseless running and long service life.



# SEH01-NC

Order Nr.: - 0030

SEH01-NC is a thermoelectric actuator operating on principle of thermal expansion. When the actuator body is heated by electric current flow, expansion occurs resulting in the valve to open and vice versa. When being cooled down, it closes. Only 1.8 W is sufficient for the valve to open.

SEH01-NC is equipped with open state indication.



SEH01-NC



Device for standard use



Device intended for professionals



Device with Open Therm plus (OT+) communication



**BOOST** function  
Having been activated, the BOOST function starts heating for 10 minutes at full power



Sensor (thermistor) for temperature sensing of 10k/25C type



Power supplied by batteries



Power supply 230V/AC



**ASS** Anti Stone Stop (ASS) function - prevents scale from depositing and the valve (motor) from stalling.



**2W** Two-way transmitting, the receiver responds to a signal from the transmitter



Device works on frequency 433,92 MHz



Typical distance within housing development



Possibility of programming



Device IP rating



choice of languages



Output enabling switching up to 0.1 A



Relay output potential-free with possibility of loading contacts up to 16 A



Relay output switching L (phase) with possibility of loading up to 16 A



Hysteresis



smart proportional regulation



Equitherme regulation

**CH** - central heating

**HW** - hot water

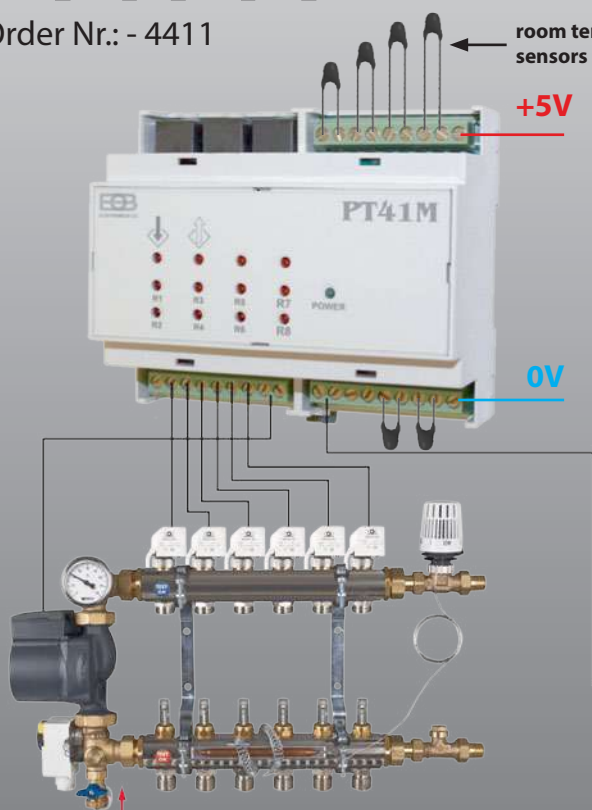
**PS** - preliminary switch of the heating



## PT41-M

Order Nr.: - 4411

**PT41-M (Master)** this unit control 6 heating zones, pump and heating source - boiler.

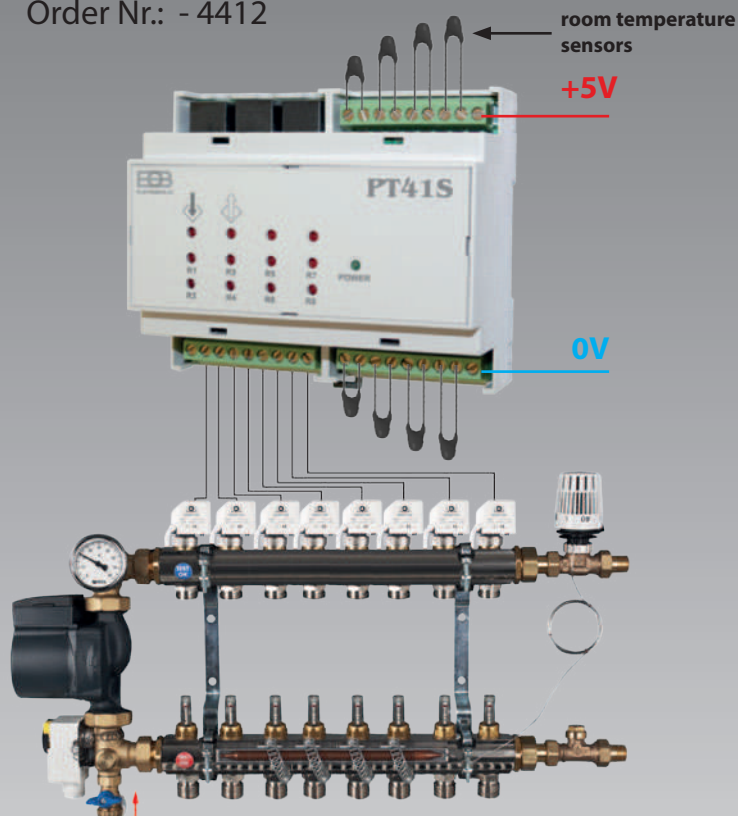


- according programs control the Master unit temperature in 6 independent zones through opening of thermoelectric actuators.
- Each zone can work according own program
- Master unit can switch on according actual requirement pump and boiler.

## PT41-S

Order Nr.: - 4412

**PT41-S (Slave)**  
this unit can control up to 9 zones and circuit pump



- Slave unit can work independently or in connection with PT41-M. Programing process is same in both units.

Units PT41-M and PT41-S can be connected to each other and can be controller remotely by using PRE module through WIFI or Ethernet.



By using of our converter PRE10, PRE20, PRE30, PRE40, can be the heating system controlled remotely through WIFI or Ethernet.



For remote control are available APPs for free on GOOGLE PLAY and APPSOTRE

App for:



Setting of all parameters and programming is made through converter.

**PRE-USB / RS232**

Order Nr.: - 4114





More information about prices and products on:

**[www.elbock.cz](http://www.elbock.cz)**



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