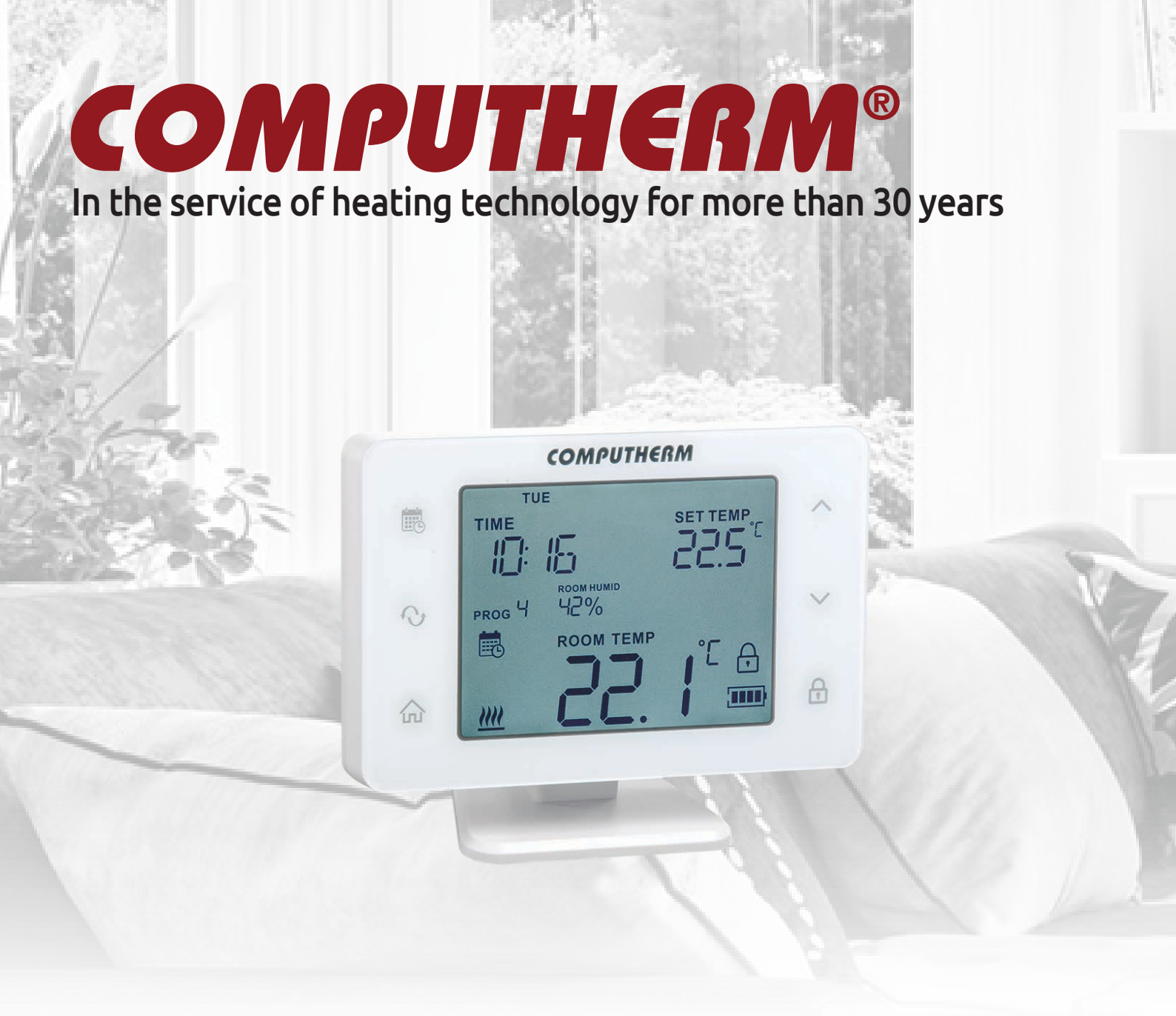
COMPUTHERM®

In the service of heating technology for more than 30 years



Heating equipment

CATALOGUE

2024

Our available product categories:

- digital thermostats • Wi-Fi thermostats
- mechanical and pipe thermostats • heating fittings
- electric floor heating systems • other products

MB | MAGYAR BRANDS
5x '20 '21 '22 '23 '24

www.computherm.info/en

COMPUTHERM® Q1RX

wireless (radio-frequency)
thermostat-controlled socket

The *Q1RX* socket can be paired with the *Q series* thermostats manufactured after 2016.

The ***COMPUTHERM Q1RX*** socket can be controlled by up to 12 ***COMPUTHERM Q series*** thermostats at the same time, and can be used in addition to / instead of their receiver units. The device is able to control boilers or any other electrical devices operating on 230 V (e.g. fan heaters, pumps, zone valves, etc.). Easy installation and operation, no assembly required. The ***COMPUTHERM Q1RX*** in response to the ON command of ***COMPUTHERM Q series*** wireless thermostats, **a supply voltage of 230 V appears on the output socket of device *Q1RX*** connected to the network, while the OFF command disconnects the device from the network.

- Power consumption: 0.01 W
- Supply voltage: 230 V AC, 50 Hz
- **Output voltage: 230 V AC, 50 Hz**
- **Switchable current intensity: 16 A (4 A inductive load)**
- Duration of activable Delay On function: 4 minutes
- Duration of activable Delay Off function: 6 minutes

COMPUTHERM® Q2RF

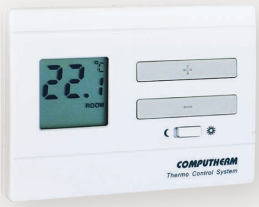
wireless (radio-frequency) signal repeater

The ***COMPUTHERM Q2RF*** plug was developed for the ***COMPUTHERM Q series*** **wireless thermostats to increase their wireless range.** The original range of ***Q series*** thermostats is 50 m in open area, which can be significantly shortened by the structure of the building. To be able to use the these thermostats in larger buildings too, it is advised to use a wireless signal repeater. This can be achieved by using the ***Q2RF*** wireless repeater: it receives the signals of the wireless thermostats and retransmits the signal to the receiver unit, thus making the range larger. **The 230 V AC continuously appers on the output of the socket**.

- Supply voltage: 230 V AC, 50 Hz
- **Output voltage: 230 V AC, 50 Hz**
- **Maximum load: 16 A (4 A inductive load)**
- Power consumption: 0.5 W
- Operating frequency: 868.35 MHz
- **Transmission distance of the repeater: approx. 100 m in an open terrain**

COMPUTHERM® Q3

digital room thermostat



The ***COMPUTHERM Q3*** thermostat cannot be programmed but as compared to simple mechanical thermostats, measuring and adjusting temperature becomes significantly more accurate with its digital display. **It enables you to set an economy and a comfort temperature, to calibrate the thermometer, to select the switching sensitivity and to switch between the heating and cooling mode**.
We recommend using it in places where programmability is not required, but easy usage, accurate temperature measurement, accurate temperature setting and switching sensitivity is important.

- Adjustable temperature range: 5 to 40 °C (in 0.5 °C increments)
- Temperature measurement accuracy: ±0.5 °C
- Thermometer calibration range: approx. ±4 °C
- Selectable switching sensitivity: ±0.1 °C; ±0.2 °C
- Switchable voltage: max. 30 V DC / 250 V AC
- **Switchable current: 8 A (2 A inductive load)**
- Battery voltage: 2 x 1.5 V AA size **ALKALINE** batteries (LR6)

COMPUTHERM® Q3RF

wireless (radio-frequency) digital room thermostat

The ***COMPUTHERM Q3RF*** cannot be programmed but as compared to simple mechanical thermostats, measuring and adjusting temperature becomes significantly more accurate with its digital display. **It enables you to set an economy and a comfort temperature, to calibrate the thermometer, to select the switching sensitivity and to switch between the heating and cooling mode**.
The thermostat can be freely moved within the transmission distance, there is a wireless (radio-frequency) connection between the thermostat and the receiver. The trouble-free operation is ensured by its own security code.
We recommend using it in places where programmability is not required, but easy usage, portability, accurate temperature measurement, accurate temperature setting and switching sensitivity is important. If required, the device can be extended with a ***COMPUTHERM Q1RX*** wireless thermostat-controlled socket.

The most important technical data of the thermostat (transmitter):

- Adjustable temperature range: 5 to 40 °C (in 0.5 °C increments)
- Temperature measurement accuracy: ±0.5 °C
- Thermometer calibration range: approx. ±4 °C
- Selectable switching sensitivity: ±0.1 °C; ±0.2 °C
- Battery voltage: 2 x 1.5 V AA size **ALKALINE** batteries (LR6)

The most important technical data of the receiver unit:

- Supply voltage: 230 V AC, 50 Hz
- Switchable voltage: max. 30 V DC / 250 V AC
- **Switchable current: 6 A (2 A inductive load)**

COMPUTHERM® Q32

digital room thermostat

NEW

The **COMPUTHERM Q32** thermostat cannot be programmed but it has a clearly visible LCD display that **shows the measured and set temperature** as well as operational information at the same time. You can easily switch between preset **economy and comfort temperatures**. **Adjustable temperature sensor and switching sensitivity** increase comfort. **Simple switching between cooling and heating modes ensures usability with heat pumps.**
We recommend using it in places where programmability is not required, but easy usage, accurate temperature measurement, accurate temperature setting and switching sensitivity is important.

- Adjustable temperature range: 5 to 40 °C (in 0.5 °C increments)
- Temperature measurement accuracy: ±0.5 °C
- Thermometer calibration range: ±3.0 °C (0.1 °C-os increments)
- Selectable switching sensitivity: ±0.1 °C to ±1.0 °C
- Switchable voltage: max. 30 V DC / 250 V AC
- **Switching current: 5 A (1 A inductive load)**
- Battery voltage: 2 x 1.5 V AA size **ALKALINE** batteries (LR6)

COMPUTHERM® Q32RF

wireless (radio-frequency) digital room thermostat

NEW

The **COMPUTHERM Q32RF** thermostat cannot be programmed but it has a clearly visible LCD display that **shows the measured and set temperature** as well as operational information at the same time. You can easily switch between preset **economy and comfort temperatures**. **Adjustable temperature sensor and switching sensitivity** increase comfort. **Simple switching between cooling and heating modes ensures usability with heat pumps.**
The thermostat can be freely moved within the transmission distance, and the connection to the boiler is ensured by a wireless (radio frequency) connection.
We recommend using it in places where programmability is not required, but easy usage, portability, accurate temperature measurement, accurate temperature setting and switching sensitivity is important. If required, the device can be extended with a **COMPUTHERM Q1RX** wireless thermostat-controlled socket.

The most important technical data of the thermostat (transmitter):

- Adjustable temperature range: 5 to 40 °C (in 0.5 °C increments)
- Temperature measurement accuracy: ±0.5 °C
- Thermometer calibration range: ±3.0 °C (0.1 °C-os increments)
- Selectable switching sensitivity: ±0.1 °C to ±1.0 °C
- Battery voltage: 2 x 1.5 V AA size **ALKALINE** batteries (LR6)

The most important technical data of the receiver unit:

- Supply voltage: 230 V AC, 50 Hz
- Switchable voltage: max. 30 V DC / 250 V AC
- **Switching current: 6 A (2 A inductive load)**

COMPUTHERM® Q4Z

zone controller

The **COMPUTHERM Q4Z** zone controller can control 1 to 4 heating zones, which are regulated by a wired switch-operated thermostat. The zones can operate independently from each other or, in case of need, all zones can operate at the same time. **This way only those rooms are heated at a given time, whose heating is required**. It receives switching signals from the thermostats, controls the boiler and gives commands to open/close the heating zone valves (max. 4 zones) associated with the thermostats. Any switch-operated room thermostat can be connected to the zone controller, whose output relay has a loadability of 230 V AC, min. 1 A (0.5 A inductive load).
COMPUTHERM Wi-Fi thermostats can also be connected to the zone controller (which even a remote-controlled heating system can be set up per zone).

- Supply voltage: 230 V AC, 50 Hz
- Voltage of the zone outputs: 230 V AC, 50 Hz
- **Loadability of the zone outputs: 2 A (0.5 A inductive load)**
  (combined loadability of all zones together 8(2) A)
- Switchable voltage of the relay controlling the boiler: max. 30 V DC / 250 V AC
- **Switchable current of the relay controlling the boiler: 8 A (2 A inductive load)**
- Duration of activable Delay On function: 4 minutes
- Duration of activable Delay Off function: 6 minutes

COMPUTHERM® Q5RF

multi-zone, wireless (radio-frequency) digital room thermostat

The *Q5RF* thermostat can be extended by *Q series* wireless thermostats as well as *Q1RX* sockets (manufactured after 2020)

The basic package of the device includes two thermostats and a receiver unit. If required, the equipment can be extended by two additional ***COMPUTHERM Q5RF (TX)*** and/or ***COMPUTHERM Q8RF (TX)*** thermostats or multiple ***COMPUTHERM Q1RX*** wireless sockets, thus making it possible to control multiple devices at the same time (e.g. starting both the boiler and a circulation pump).
The receiver unit receives switching signals from the thermostats, controls the boiler and gives commands to open/close the heating zone valves (max. 4 zones) associated with the thermostats. **This way only those rooms are heated at a given time, whose heating is required. The thermostats enable you to set an economy and a comfort temperature, to calibrate the thermometer, to select the switching sensitivity and to switch between the heating and cooling mode**. The thermostats can be freely moved within the transmission distance, there is a wireless (radio-frequency) connection between the thermostats and the receiver. The trouble-free operation is ensured by its own security code.
We recommend using it in places where programmability is not required, but easy handling, dividing the heating system into zones, portability, accurate temperature measurement, accurate temperature setting and switching sensitivity is important.

The most important technical data of the thermostats (transmitters):

- Adjustable temperature range: 5 to 40 °C (in 0.5 °C increments)
- Temperature measurement accuracy: ±0.5 °C
- Thermometer calibration range: approx. ±4 °C
- Selectable switching sensitivity: ±0.1 °C; ±0.2 °C
- Battery voltage: 2 x 1.5V AA **ALKALINE** batteries (LR6 type)

The most important technical data of the receiver unit:

- Supply voltage: 230 V AC, 50 Hz
- Switchable voltage of the relay controlling the boiler: max. 30 V DC / 250 V AC
- **Switchable current of the relay controlling the boiler: 8 A (2 A inductive load)**
- Voltage of the zone outputs: 230 V AC, 50 Hz
- **Loadability of the zone outputs: 2 A (0.5 A inductive load)**

COMPUTHERM® Q7

programmable digital room thermostat

Using the ***COMPUTHERM Q7*** room thermostat separate temperature programs can be prepared for each day of the week. For each day, beside 1 fixed switching time, 6 adjustable switching times can be set. There are 4 different options to temporarily modify the temperature specified in the program. **Furthermore, it enables you to select the switching sensitivity, to calibrate the thermometer, to activate the pump protection function, to switch between the heating and cooling mode and to lock the control buttons**.
We recommend using it in places where there is a need for programmability, furthermore accurate temperature measurement, accurate temperature setting and switching sensitivity is important.

- Adjustable temperature range: 5 to 40 °C (in 0.5 °C increments)
- Temperature measurement accuracy: ±0.5 °C
- Thermometer calibration range: ±3 °C (in 0.1 °C increments)
- Selectable switching sensitivity: ±0.1 °C; ±0.2 °C; ±0.3 °C
- Switchable voltage: max. 30 V DC / 250 V AC
- **Switchable current: 8 A (2 A inductive load)**
- Battery voltage: 2 x 1.5 V AA size **ALKALINE** batteries (LR6)

COMPUTHERM® Q7RF

wireless (radio-frequency) programmable digital room thermostat

Using the ***COMPUTHERM Q7RF*** room thermostat, separate temperature programs can be prepared for each day of the week. For each day, beside 1 fixed switching time, 6 adjustable switching times can be set and a different temperature can be assigned to all 7 switching times. There are 4 different options to temporarily modify the temperature specified in the program. **Furthermore, it enables you to select the switching sensitivity, to calibrate the thermometer, to activate the pump protection function, to switch between the heating and cooling mode and to lock the control buttons**.
The thermostat can be freely moved within the transmission distance, there is a wireless (radio-frequency) connection between the thermostat and the receiver.
We recommend using it in places where there is a need for programmability, furthermore portability, accurate temperature measurement, accurate temperature setting and switching sensitivity is important. If required, the device can be extended with a ***COMPUTHERM Q1RX*** wireless thermostat-controlled socket.

The most important technical data of the thermostat (transmitter):

- Adjustable temperature range: 5 to 40 °C (in 0.5 °C increments)
- Temperature measurement accuracy: ±0.5 °C
- Thermometer calibration range: ±3 °C (in 0.1 °C increments)
- Selectable switching sensitivity: ±0.1 °C; ±0.2 °C; ±0.3 °C
- Battery voltage: 2 x 1.5 V AA size **ALKALINE** batteries (LR6)

The most important technical data of the receiver unit:

- Supply voltage: 230 V AC, 50 Hz
- Switchable voltage: max. 30 V DC / 250 V AC
- **Switching current: 6 A (2 A inductive load)**

COMPUTHERM® Q72

programmable digital room thermostat

NEW

Using the **COMPUTHERM Q72** room thermostat, separate temperature programs can be prepared **for each day of the week**. It is possible to set **1 + 10 switching times** per day. There are 3 different options for temporarily changing the temperature specified in the program. **The thermostat provides the possibility to choose the switching sensitivity, calibrate the temperature sensor, activate the pump protection function, easily switch between the heating and cooling modes and lock the control buttons**. The thermostat's **large display** is equipped with an **activable backlight**, the brightness of which can be configured.
We recommend using it in places where there is a need for programmability, furthermore accurate temperature measurement, accurate temperature setting and switching sensitivity is important.

- Adjustable temperature range: 5 to 45 °C (in 0.5 °C increments)
- Temperature measurement accuracy: ±0.5 °C
- Thermometer calibration range: ±3.0 °C (0.1 °C-os increments)
- Selectable switching sensitivity: ±0.1 °C to ±1.0 °C
- Switchable voltage: max. 30 V DC / 250 V AC
- **Switching current: 5 A (1 A inductive load)**
- Battery voltage: 2 x 1.5 V AA size **ALKALINE** batteries (LR6)

COMPUTHERM® Q72RF

wireless (radio-frequency) programmable digital room thermostat

NEW

Using the **COMPUTHERM Q72RF** room thermostat, separate temperature programs can be prepared **for each day of the week**. It is possible to set **1 + 10 switching times** per day. There are 3 different options for temporarily changing the temperature specified in the program. **The thermostat provides the possibility to choose the switching sensitivity, calibrate the temperature sensor, activate the pump protection function, easily switch between the heating and cooling modes and lock the control buttons**. The thermostat's **large display** is equipped with an **activable backlight**, the brightness of which can be configured.
The thermostat can be freely moved within the transmission distance, and the connection to the boiler is ensured by a wireless (radio frequency) connection.
We recommend using it in places where there is a need for programmability, furthermore portability, accurate temperature measurement, accurate temperature setting and switching sensitivity is important. If required, the device can be extended with a **COMPUTHERM Q1RX** wireless thermostat-controlled socket.

The most important technical data of the thermostat (transmitter):

- Adjustable temperature range: 5 to 45 °C (in 0.5 °C increments)
- Temperature measurement accuracy: ±0.5 °C
- Thermometer calibration range: ±3.0 °C (0.1 °C-os increments)
- Selectable switching sensitivity: ±0.1 °C to ±1.0 °C
- Battery voltage: 2 x 1.5 V AA size **ALKALINE** batteries (LR6)

The most important technical data of the receiver unit:

- Supply voltage: 230 V AC, 50 Hz
- Switchable voltage: max. 30 V DC / 250 V AC
- **Switching current: 6 A (2 A inductive load)**

COMPUTHERM® Q8RF

multi-zone, wireless (radio-frequency) programmable digital room thermostat

The *Q8RF* thermostat can be extended by *Q series* wireless thermostats as well as *Q1RX* sockets (manufactured after 2020)

The basic package of the device includes two thermostats and a receiver unit. If required, the equipment can be extended by two **COMPUTHERM Q5RF (TX)** and/or **COMPUTHERM Q8RF (TX)** thermostats. It is possible to tune a thermostat as well as multiple **COMPUTHERM Q1RX** wireless sockets, thus making it possible to control multiple devices at the same time (e.g. starting both the boiler and a circulation pump).
The receiver unit receives switching signals from the thermostats, controls the boiler and gives commands to open/close the heating zone valves (max. 4 zones) associated with the thermostats. The zones can operate independently from each other or, in case of need, all zones can operate at the same time. **This way only those rooms are heated at a given time, whose heating is required**.
Separate temperature programs can be prepared for each day of the week. **Furthermore, the thermostats enable you to select the switching sensitivity, to calibrate the thermometer, to activate the pump protection function, to switch between the heating and cooling mode and to lock the control buttons**.
The thermostats can be freely moved within the transmission distance, there is a wireless (radio-frequency) connection between the thermostats and the boiler. We recommend using it in places where there is a need for programmability and for dividing the heating system into zones, furthermore portability, accurate temperature measurement, accurate temperature setting and switching sensitivity is important.

The most important technical data of thermostats (transmitters):

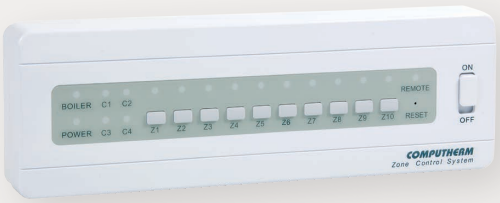
- Adjustable temperature range: 5 to 40 °C (in 0.5 °C increments)
- Temperature measurement accuracy: ±0.5 °C
- Thermometer calibration range: ±3 °C (in 0.1 °C increments)
- Selectable switching sensitivity: ±0.1 °C; ±0.2 °C; ±0.3 °C
- Battery voltage: 2 x 1.5 V AA size **ALKALINE** batteries (LR6)

The most important technical data of the receiver unit:

- Supply voltage: 230 V AC, 50 Hz
- Switchable voltage of the relay controlling the boiler: max. 30 V DC / 250 V AC
- **Switchable current of the relay controlling the boiler: 8 A (2 A inductive load)**
- Voltage of the zone outputs: 230 V AC, 50 Hz
- **Loadability of the zone outputs: 2 A (0.5 A inductive load)**

COMPUTHERM® Q10Z

zone controller



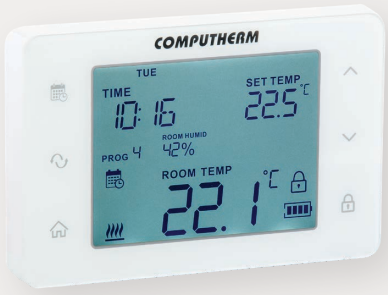
NEW

The **COMPUTHERM Q10Z** zone controller is able to control to 10 heating zones regulated by switch-operated room thermostats so that various zones can operate either simultaneously or independently of each other. **This way only those rooms are heated at a given time, whose heating is required.** It controls the boiler as well as the valve outputs and pump outputs belonging to the given zones on the instructions of the room thermostats. The zone controller has **4 freely configurable common outputs**, which can be freely configured to show which of the 10 thermostats is turned on and the 230 V AC voltage on them.
It has a remote control input, which allows the heating/cooling system to be easily controlled remotely. Any switch-operated room thermostat can be connected to the zone controller, the load capacity of whose output relay is greater than the sum of the loads connected to the valve output and pump output of the given zone.

- Supply voltage: 230 V AC, 50 Hz
- Voltage of zone outputs: 230 V AC, 50 Hz
- **Loadability of zone outputs: 2 A (0.5 A inductive load) each, 15 A (4 A inductive load) combined**
- Switchable voltage of the relay that controls the boiler: max. 30 V DC / 250 V AC
- **Switchable current of the relay that controls the boiler: 16 A (4 A inductive load)**

COMPUTHERM® Q20

programmable digital room thermostat



NEW

Using the **COMPUTHERM Q20** room thermostat separate temperature program can be created for each day of the week. It is possible to set **1 + 10 switching times** per day. There are 3 different options for temporarily changing the temperature specified in the program. **The thermostat provides the possibility to choose the switching sensitivity, calibrate the temperature sensor and humidity sensor, activate the pump protection function, easily switch between the cooling, heating, humidification and dehumidification modes and lock the control buttons**. A **maximum humidity limit** can be set for the humidity sensor, above which the output is disabled in cooling mode in order to protect the surface cooling system against condensation.
The thermostat's **large display and touch buttons** are equipped with an activable backlight, the brightness of which can be configured. Confirmation of touching the touch buttons is provided by an activable feedback sound.
We recommend it for places where accurate temperature and humidity measurement as well as temperature and humidity setting, switching accuracy, high functionality, and programmable temperature and humidity based control are important.

- Adjustable temperature range: 5 to 45 °C (in 0.5 °C increments)
- Adjustable humidity range: 0 to 99% RH (in 1.0% increments)
- Temperature measurement range: 0 to 48 °C (in 0.1 °C increments)
- Measurement accuracy: ±0.5 °C / ±3% RH
- Temperature calibration range: ±3 °C (0.1 °C increments)
- Selectable switching sensitivity: ±0.1 °C – ±1.0 °C / ±1% – ±5% RH
- Switchable voltage: max. 30 V DC / 250 V AC
- **Switchable current: 8 A (2 A inductive load)**
- Battery voltage: 2 x 1.5 V **ALKALINE** batteries (LR6 type; AA size)

COMPUTHERM® Q20RF

programmable wireless (radio-frequency)
digital room thermostat

NEW

Using the **COMPUTHERM Q20RF** wireless room thermostat, separate temperature program can be created for each day of the week, with **1+10 switching times** per day. In addition to the manual modes, there are 3 different options for temporarily changing the temperature specified in the program. **The thermostat provides the possibility to choose the switching sensitivity, calibrate the temperature sensor and humidity sensor, activate the pump protection function, easily switch between the cooling, heating, humidification and dehumidification modes and lock the control buttons**. A **maximum humidity limit can be set** for the humidity sensor, above which the output is disabled in cooling mode in order to protect the surface cooling system against condensation.
The thermostat's **large display and touch buttons** are equipped with an activable backlight, the brightness of which can be configured. Confirmation of touching the touch buttons is provided by an activable feedback sound.
The thermostat can be freely carried within the transmission distance, and the connection to the boiler is ensured by a wireless (radio frequency) connection.
We recommend it for places where accurate temperature and humidity measurement as well as temperature and humidity setting, portability, switching accuracy, high functionality, and programmable temperature and humidity based control are important. If required, the device can also be expanded with **COMPUTHERM Q1RX** thermostat-controlled sockets.

The most important technical data of thermostats (transmitters):

- Adjustable temperature range: 5 to 45 °C (in 0.5 °C increments)
- Adjustable humidity range: 0 to 99%s RH (in 1.0% increments)
- Measurement accuracy: ±0.5 °C / ±3% RH
- Temperature calibration range: ±3 °C (0.1 °C increments)
- Selectable switching sensitivity: ±0.1 °C – ±1.0 °C / ±1% – ±5% RH
- Battery voltage: 2 x 1.5 V **ALKALINE** batteries (LR6 type; AA size)

The most important technical data of the receiver unit:

- Supply voltage: 230 V AC, 50 Hz
- Switchable voltage: max. 30 V DC / 250 V AC
- **Switchable current: 6 A (2 A inductive load)**

COMPUTHERM®
T30; T32
digital room thermostat

5 YEAR WARRANTY

+ batteries

The **COMPUTHERM T30/T32** digital room thermostat cannot be programmed but as compared to simple mechanical thermostats, measuring and adjusting temperature becomes significantly more accurate with its digital display. Further, it enables you to **calibrate the thermometer and to switch between the heating and cooling mode**.
We recommend using it in places where programmability is not required, but ease of use, accurate temperature measurement, accurate temperature setting and switching sensitivity is important.

- Adjustable temperature range: +5 °C to +30 °C (in 0.5 °C increments)
- Temperature measurement accuracy: ±0.5 °C
- Temperature calibration range: ±8.0 °C (in 0.5 °C increments)
- Switching sensitivity: ±0.2 °C
- Switchable voltage: max. 30 V DC / 250 V AC
- **Switchable current: 8 A (2 A inductive load)**
- Supply voltage: 2 x 1.5 AAA **ALKALINE** batteries (LR03) (included)

COMPUTHERM®
T30RF; T32RF
wireless (radio-frequency),
digital room thermostat

5 YEAR WARRANTY

+ batteries
+ power supply cable

The **COMPUTHERM T30RF/T32RF** wireless digital room thermostat cannot be programmed but as compared to simple mechanical thermostats, measuring and adjusting temperature becomes significantly more accurate with its digital display. Further, **it enables to calibrate the thermometer and to switch between the heating and cooling mode**.
The thermostat can be freely moved within the transmission distance, there is a wireless (radio-frequency) connection between the thermostat and the receiver.
We recommend using it in places where programmability is not required, but ease of use, portability, accurate temperature measurement, accurate temperature setting and switching sensitivity is important.

The most important technical data of thermostats (transmitters):

- Adjustable temperature range: +5 °C to +30 °C (in 0.5 °C increments)
- Temperature measurement accuracy: ±0.5 °C
- Temperature calibration range: ±8.0 °C (in 0.5 °C increments)
- Switching sensitivity: ±0.2 °C
- Supply voltage: 2 x 1.5 AAA type **ALKALINE** batteries (LR03) (included)

The most important technical data of the receiver unit:

- Supply voltage: 230 V AC, 50 Hz
- Switchable voltage: max. 24 V DC / 240 V AC
- **Switchable current: 7 A (2 A inductive load)**

COMPUTHERM®
T70; T70RF
wired / wireless (radio-frequency),
programmable digital room thermostats

5 YEAR WARRANTY

+ batteries
+ power supply cable (wireless version)

The **COMPUTHERM T70/T70RF** is an easily programmable wired/wireless (radio-frequency) room thermostat. Thanks to its large display and **touch buttons**, **separate hourly program can be set for each day of the week**. It provides more accurate temperature measurement and temperature setting than mechanical thermostats, as well as the ability to **switch between heating and cooling modes, calibrate the temperature sensor, and to lock the touch buttons**. You can preset a comfort, an economy and an absence temperature.
The **COMPUTHERM T70RF** thermostat can be freely moved within the transmission distance, there is a wireless (radio-frequency) connection between the thermostat and the receiver.
We recommend using the device where there is a need for programmability, and where ease of use, accurate temperature measurement and temperature setting and switching accuracy are important.

The most important technical data of thermostats (transmitters):

- Adjustable temperature range: +5 °C to 30 °C (in 0.5 °C increments)
- Temperature measurement accuracy: ±0.5 °C
- Temperature calibration range: ±8.0 °C (in 0.5 °C increments)
- Switching sensitivity: ±0.2 °C
- Supply voltage: 2 x 1.5 AAA type **ALKALINE** batteries (LR03) (included)
- Switchable voltage: max. 24 V DC / 250 V AC (wired version)
- **Switchable current: 8 A (2 A inductive load) (wired version)**

The most important technical data of the receiver unit (wireless version):

- Supply voltage: 230 V AC, 50 Hz
- Switchable voltage: max. 24 V DC / 240 V AC
- **Switchable current: 7 A (2 A inductive load)**

COMPUTHERM® DIGITAL THERMOSTAT COMPARISON

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	COMPUTHERM® Q3/Q3RF	COMPUTHERM® Q32/Q32RF	COMPUTHERM® Q5RF	COMPUTHERM® Q7/Q7RF	COMPUTHERM® Q72/Q72RF	COMPUTHERM® Q8RF	COMPUTHERM® Q20/Q20RF	COMPUTHERM® T30/T30RF/ T32/T32RF
								
	wired / wireless, digital room thermostat	wired / wireless, digital room thermostat	multi-zone, wireless, digital room thermostat	wired / wireless, programmable digital room thermostat	wired / wireless, programmable digital room thermostat	multi-zone, wireless programmable digital room thermostat	wired / wireless, programmable digital room thermostat	wired / wireless, digital room thermostat
Adjustable temperature range:	5 - 40 °C (in 0.5 °C increments)	5 - 40 °C (in 0.5 °C increments)	5 - 40 °C (in 0.5 °C increments)	5 - 40 °C (in 0.5 °C increments)	5 – 45 °C (in 0.5 °C increments)	5 - 40 °C (in 0.5 °C increments)	5 – 45 °C (in 0.5 °C increments)	5 – 30 °C (in 0.5 °C increments)
Temperature measurement accuracy:	±0.5 °C	±0.5 °C	±0.5 °C	±0.5 °C	±0.5 °C	±0.5 °C	±0.5 °C	±0.5 °C
Temperature calibration range:	approx. 4 °C	±3.0 °C (in 0.1 °C increments)	approx. 4 °C	±3.0 °C (in 0.1 °C increments)	±3.0 °C (in 0.1 °C increments)	±3.0 °C (in 0.1 °C increments)	±3.0 °C (in 0.1 °C increments)	±8.0 °C (in 0.5 °C increments)
Switching sensitivity:	±0.1 °C - ±0.2 °C (in 0.1 °C increments)	±0.1 °C - ±1.0 °C (in 0.1 °C increments)	±0.1 °C - ±0.2 °C (in 0.1 °C increments)	±0.1 °C - ±0.3 °C (in 0.1 °C increments)	±0.1 °C - ±1.0 °C (in 0.1 °C increments)	±0.1 °C - ±0.3 °C (in 0.1 °C increments)	±0.1 °C - ±1.0 °C (in 0.1 °C increments)	±0.2 °C
Adjustable humidity range:	–	–	–	–	–	–	0 – 99% RH (1.0% increments)	–
Humidity measurement accuracy:	–	–	–	–	–	–	±3% RH	–
Thermostat supply voltage:	2 x 1.5 V AA (LR6) **ALKALINE** batteries	2 x 1.5 V AA (LR6) **ALKALINE** batteries	2 x 1.5 V AA (LR6) **ALKALINE** batteries	2 x 1.5 V AA (LR6) **ALKALINE** batteries	2 x 1.5 V AA (LR6) **ALKALINE** batteries	2 x 1.5 V AA (LR6) **ALKALINE** batteries	2 x 1.5 V AA (LR6) **ALKALINE** batteries	2 x 1.5 V AAA (LR03) **ALKALINE** batteries (included)
Receiver supply voltage:	***Q3:*** – ***Q3RF:*** 230 V AC, 50 Hz	***Q32:*** – ***Q32RF:*** 230 V AC, 50 Hz	230 V AC, 50 Hz	***Q7:*** – ***Q7RF:*** 230 V AC, 50 Hz	***Q72:*** – ***Q72RF:*** 230 V AC, 50 Hz	230 V AC, 50 Hz	***Q20:*** – ***Q20RF:*** 230 V AC, 50 Hz	***T30/T32:*** – ***T30RF/T32RF:*** 230 V AC, 50 Hz
Max. switchable current:	***Q3:*** 8 (2) A ***Q3RF:*** 6 (2) A	***Q32:*** 5 (1) A ***Q32RF:*** 6 (2) A	8 (2) A	***Q7:*** 8 (2) A ***Q7RF:*** 6 (2) A	***Q72:*** 5 (1) A ***Q72RF:*** 6 (2) A	8 (2) A	***Q20:*** 8 (2) A ***Q20RF:*** 6 (2) A	***T30/T32:*** 8 (2) A ***T30RF/T32RF:*** *7 (2) A*
Loadability of the zone outputs:	–	–	2 (0.5) A	–	–	2 (0,5) A	–	–
Output type:	potential-free	potential-free	potential-free	potential-free	potential-free	potential-free	potential-free	potential-free
Number of controllable heating/cooling circuits:	1	1	4	1	1	4	1	1
Programmable:	–	–	–	✓	✓	✓	✓	–
Wireless:	***Q3:*** – ***Q3RF:*** ✓	***Q32:*** – ***Q32RF:*** ✓	✓	***Q7:*** – ***Q7RF:*** ✓	***Q72:*** – ***Q72RF:*** ✓	✓	***Q20:*** – ***Q20RF:*** ✓	***T30/T32:*** – ***T30RF/T32RF:*** ✓
Transmission distance:	***Q3:*** – ***Q3RF:*** approx. 50 m in open terrain	***Q32:*** – ***Q32RF:*** approx. 50 m in open terrain	approx. 50 m in open terrain	***Q7:*** – ***Q7RF:*** approx. 50 m in open terrain	***Q72:*** – ***Q72RF:*** approx. 50 m in open terrain	approx. 50 m in open terrain	***Q20:*** – ***Q20RF:*** approx. 50 m in open terrain	***T30RF/T32RF:*** approx. 100 m in open terrain

COMPUTHERM® TR-010

mechanical room thermostat

COMPUTHERM TR-010 is a conventional mechanically-operated room thermostat which is primarily recommended wherever reliability and easy handling are important. Its operation does not require any auxiliary energy, i.e. batteries need not be replaced.

- Adjustable temperature range: 10 to 30 °C
- Switching sensitivity: ±1 °C
- Switchable voltage: max. 24 V DC / 250 V AC
- **Switchable current: 10 A (3 A inductive load)**

COMPUTHERM® KonvekPRO

gas convector controller

The **COMPUTHERM KonvekPRO** gas convector controller is suitable to regulate the overwhelming majority of gas convectors. It can easily be connected to any gas convector, that regulates itself using the probe of its thermostat (a copper cartridge containing expansive liquid, connected to the thermostat using a capillary tube).

With the help of a **COMPUTHERM KonvekPRO** controller it is **easy to implement the automatic, programmable heating of a room equipped with a gas convector**. The product also provides an opportunity for controlling the convector from anywhere using a Wi-Fi thermostat.

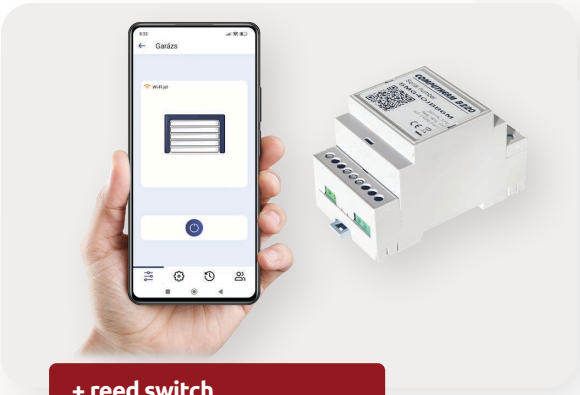
- Voltage of DC adapter: DC 12 V, 500 mA
- DC adapter connector: 2.1 x 5.5 mm
- Power consumption: max. 3 W (operative 1.5 W)
- **Diameter of attachable thermostat probe (tube thermostat): 6 – 12 mm**

Upgrade your gas convetor

by using **COMPUTHERM® KonvekPRO** gas convector controller

COMPUTHERM® B220

Wi-Fi switch



+ reed switch

Download on the App Store | GET IT ON Google Play | Works with **Amazon Alexa**

The **COMPUTHERM B220** Wi-Fi switch is an impulse mode device that can be controlled from smartphones, tablets and computers through the Internet. We primarily **recommend it for the remote control of garage doors, front doors, and other impulse-controlled electronic equipment**. The door opening sensor included in the basic package make it easy to determine the open / closed position of the controlled door. It is easy to connect it to any device that can be controlled by an impulse opening / closing contact regardless of whether it has a 12 V, 24 V or 230 V control circuit.
It can be easily controlled through the Internet, and its state can be continuously monitored.

- **User interface: mobile application, website**
- **Supply voltage: 8 – 36 V AC/DC**
- Switchable voltage: max. 24 V DC / 250 V AC
- **Switchable current: 10 A (3 A inductive load)**
- Operating frequency: Wi-Fi (b/g/n) 2.4 GHz

COMPUTHERM® B300

Wi-Fi thermostat with wired temperature sensor

Download on the App Store | GET IT ON Google Play | Works with **Amazon Alexa** and **Google Home**

The **COMPUTHERM B300** Wi-Fi thermostat can be used to control the device (e.g. boiler) connected to it and to check its current state using your smartphone, tablet or computer via the Internet.
This product is an ideal choice to everyone as with its favourable price and its state-of-the-art technology it reduces energy costs while maintaining comfort. With the help of this product **you will be able to control the heating of your flat, house or holiday home anytime, from anywhere**. It is especially useful if you are not using your flat or house based on a regular schedule, you are travelling away from you home for an indefinite time during the heating season or you would like to use you holiday home during the heating season.

- **User interface: mobile application, website**
- Adjustable temperature range: -40 °C – +100 °C (in 0.1 °C increments)
- Temperature measurement accuracy: ±0.5 °C (between -10 °C and +85 °C)
- Selectable switching sensitivity: 0 °C – ±74 °C (in 0.1 °C increments)
- Switchable voltage: max. 30 V DC / 250 V AC
- **Switchable current: 16 A (4A inductive load)**
- Power supply voltage: max. 230 V AC, 50 Hz
- Operating frequency of the main unit: Wi-Fi (b/g/n) 2.4 GHz

COMPUTHERM® B300RF

Wi-Fi thermostat with wireless temperature sensor

Download on the App Store | GET IT ON Google Play | Works with **Amazon Alexa** and **Google Home**

The **COMPUTHERM B300RF** Wi-Fi thermostat can be used to control the device (e.g. boiler) connected to it and to check its current state using your smartphone, tablet or computer via the Internet.
This product is an ideal choice to everyone as with its favourable price and its state-of-the-art technology it reduces energy costs while maintaining comfort. With the help of this product you will be able to **control the heating of your flat, house or holiday home anytime, from anywhere**. It is especially useful if you are not using your flat or house based on a regular schedule, you are travelling away from you home for an indefinite time during the heating season or you would like to use you holiday home during the heating season.
There is a wireless connection between the temperature sensor and the main unit, therefore the location of the temperature sensor can also be changed during use.

- **User interface: mobile application, website**
- Adjustable temperature range: -40 °C – +100 °C (in 0.1 °C increments)
- Temperature measurement accuracy: ±0.5 °C (between -10 °C and +85 °C)
- Selectable switching sensitivity: 0 °C – ±74 °C (in 0.1 °C increments)
- Switchable voltage: max. 30 V DC / 250 V AC
- **Switchable current: 16 A (4A inductive load)**
- Power supply voltage of the main unit: 230 V AC; 50 Hz
- Operating frequency of the main unit: Wi-Fi (b/g/n) 2.4 GHz
- Power supply voltage of the temperature sensor: 2 x 1.5 V AA size **ALKALINE** batteries (LR6)

COMPUTHERM® B400RF

Wi-Fi thermostat with a wireless touch screen controller

Download on the App Store | GET IT ON Google Play | Works with **Amazon Alexa** and **Google Home**

The **COMPUTHERM B400RF** is a wireless Wi-Fi thermostat with touch screen. It can be used to control the device (e.g. boiler) connected to it either remotely through the Internet, or locally through its touch screen.
This product is an ideal choice to everyone as with its favourable price and its state-of-the-art technology it reduces energy costs while maintaining comfort. With the help of this product **you will be able to control the heating of your flat, house or holiday home anytime, from anywhere**. It is especially useful if you are not using your flat or house based on a regular schedule, you are travelling away from you home for an indefinite time during the heating season or you would like to use you holiday home during the heating season.
There is a wireless connection between the thermostat and its receiver unit, therefore the location of the thermostat can also be changed during use. The transmitter and receiver of the thermostat also require a constant power supply.

- **User interface: touch screen, mobile application, website**
- Adjustable temperature range: -55 °C to +100 °C (in 0.1 °C increments)
- Temperature measurement accuracy: ±0.5 °C (at 25 °C)
- Selectable switching sensitivity: 0 °C to ±74 °C (in 0.1 °C increments)
- Thermometer calibration range: ±9.9 °C (in 0.1 °C increments)
- Humidity measurement accuracy: ±2% RH (at 25 °C, from 20% to 80% RH)
- Supply voltage of the thermostat: micro USB 5 V DC, 1 A
- Supply voltage of the receiver unit: 230 V AC; 50 Hz
- Switchable voltage: max. 30 V DC / 250 V AC
- **Switchable current: 16 A (4 A inductive load)**
- Operating frequency: RF 433 MHz, Wi-Fi (b/g/n) 2.4 GHz

COMPUTHERM® E230

Wi-Fi thermostat for electric underfloor heating systems

Download on the App Store | GET IT ON Google Play

The **COMPUTHERM E230** Wi-Fi thermostat can be used to control the device (e.g. electic underfloor heating) connected to it and to check its current state using your smartphone or tablet via the Internet. With the help of this product **the heating/cooling system** of your flat, house or holiday home **can be made controllable from any place and at any time**. This product is especially useful when you do not use your flat or house according to a predefined schedule, you leave your home for an uncertain period of time during the heating season or you intend to use your holiday home during the heating season as well. This thermostat is **especially suitable for controlling electric underfloor heating systems** owing to the connectable floor temperature sensor and its 230 V output with a load capacity of 16 A. Recessed installation in the wall and constant power supply is required

- **User interface: touch buttons, mobile application**
- Temperature measurement range: 0 °C – 50 °C (in 0.1 °C increments) - internal sensor
  0 °C – 99 °C (in 0.1 °C increments) - floor sensor
- Adjustable temperature range: 5 °C – 99 °C (in 0.5 °C increments)
- Selectable switching sensitivity: ±0.1 °C to ±1.0 °C (in 0.1 °C increments)
- Thermometer calibration range: ±3.0 °C (in 0.1 °C increments)
- Supply voltage: 230 V AC, 50 Hz
- **Output voltage: 230 V AC**
- **Switchable current: 16 A (4 A inductive load)**
- Operating frequency: Wi-Fi (b/g/n) 2.4 GHz

COMPUTHERM® E280; E300

Wi-Fi thermostat for radiator and underfloor heating systems

Download on the App Store | GET IT ON Google Play

The **COMPUTHERM E280** and **COMPUTHERM E300** Wi-Fi thermostats can be used to control the device (e.g. boiler) connected to them and to check its current state using your smartphone or tablet via the Internet. With the help of these products the **heating/cooling system of your flat, house or holiday home can be made controllable from any place and at any time**. These products are especially useful when you do not use your flat or house according to a predefined schedule, you leave your home for an uncertain period of time during the heating season or you intend to use your holiday home during the heating season as well. The thermostats are especially suitable for controlling underfloor heating systems owing to the connectable floor temperature sensor.
The thermostats have two potential free relay outputs which switch simultaneously therefore they are able to control two independent apparatuses. The two outputs simply ensure that the thermostats can activate or turn on or off a pump and a zone valve, in addition to starting up the boiler. Thus, using several **COMPUTHERM E280** and/or **E300** type Wi-Fi thermostats, a **heating system can be easily divided into zones without a separate zone control system**.
The **COMPUTHERM E300** Wi-Fi thermostat is a more advanced version of the **COMPUTHERM E280** Wi-Fi thermostat, with black instead of white colour, glass screen and even more modern display. Recessed installation in the wall and constant power supply is required.

- **User interface: mobile application, touch buttons**
- Temperature measurement range:
  0 °C – 50 °C (in 0.1 °C increments) - internal sensor
  0 °C – 99 °C (in 0.1 °C increments) - floor sensor
- Adjustable temperature range: 5 °C – 99 °C (in 0.5 °C increments)
- Selectable switching sensitivity: ±0.1 °C to ±1.0 °C (in 0.1 °C increments)
- Thermometer calibration range: ±3.0 °C (in 0.1 °C increments)
- Supply voltage: 230 V AC, 50 Hz
- Switchable voltage (K1 and K2): max. 24 V DC / 240 V AC
- **Switchable current: 8 A (2 A inductive load)**
- Operating frequency: Wi-Fi (b/g/n) 2.4 GHz

COMPUTHERM® E280FC; E300FC

programable, digital Wi-Fi fan coil thermostat for 2- and 4-pipe systems

Download on the App Store | GET IT ON Google Play

With the **COMPUTHERM E280FC** and **COMPUTHERM E300FC** Wi-Fi fan coil thermostats, you can control the device connected to the thermostats (e.g. fan coil heating/cooling/ventilating device) via the Internet and check its operation using your mobile phone or tablet. By using the products, **the heating** of your apartment, house or resort **can be controlled anytime and from anywhere**. They can be used for both 2-pipe and 4-pipe heating/cooling systems. The thermostats also offer the possibility of automatic controlling based on temperature and time. The thermostats have **three outputs for fan control and two outputs for valve control**. When switched on, the mains phase appears on one of the fan outputs and 230 V appears on the valve outputs.

The **COMPUTHERM E300FC** Wi-Fi fan coil thermostat is a more advanced version of the **COMPUTHERM E280FC** model, with black instead of white colour, glass screen and even more modern display. Recessed installation in the wall and constant power supply is required.

- **User interface: touch buttons, mobile application**
- Temperature measurement accuracy: ±0.5 °C
- Adjustable temperature range: 5 °C to 99 °C (in 0.5 °C increments)
- Selectable switching sensitivity: ±0.1 °C to ±1.0 °C (in 0.1 °C increments)
- Thermometer calibration range: ±3.0 °C (0.1 °C increments)
- Supply voltage of the receiver unit: 230 V AC; 50 Hz
- Output voltage: 230 V AC
- **Loadability: valve outputs 3(1) A, fan outputs 5(1) A**
- Operating frequency: Wi-Fi (b/g/n) 2.4 GHz

COMPUTHERM® E400RF

Wi-Fi thermostat with a wireless touch button controller

Download on the App Store | GET IT ON Google Play

The **COMPUTHERM E400RF** is a wireless Wi-Fi thermostat with touch buttons. It can be used to control the device (e.g. boiler) connected to it either remotely through the Internet, or locally through its touch buttons.

This product is an ideal choice to everyone as with its favourable price and its state-of-the-art technology it reduces energy costs while maintaining comfort. With the help of this product you will be able **to control the heating of your flat, house or holiday home anytime, from anywhere**.

It is especially useful if you are not using your flat or house based on a regular schedule, you are travelling away from you home for an indefinite time during the heating season or you would like to use you holiday home during the heating season.

There is a wireless connection between the thermostat and its receiver unit, therefore the location of the thermostat can also be changed during use. The transmitter and receiver of the thermostat also require a constant power supply.

- **User interface: touch buttons, mobile application**
- Adjustable temperature range: 5 °C to 99 °C (in 0.5 °C increments)
- Temperature measurement range: 0 °C to 50 °C (in 0.1 °C increments)
- Temperature measurement accuracy: ±0.5 °C (at 25 °C)
- Selectable switching sensitivity: ±0.1 °C to ±1.0 °C (in 0.1 °C increments)
- Thermometer calibration range: ±3.0 °C (in 0.1 °C increments)
- Supply voltage of the thermostat: USB-C 5 V DC, 1 A
- Supply voltage of the receiver unit: 230 V AC; 50 Hz
- Switchable voltage: max. 24 V DC / 250 V AC
- **Switchable current: 10 A (3 A inductive load)**
- Operating frequency: RF 433 MHz, Wi-Fi (b/g/n) 2.4 GHz
- Transmission distance of the RF communication: approx. 250 m in open terrain

COMPUTHERM® E800RF

multi-zone Wi-Fi thermostat with
wireless touch button controllers

It can be expanded with further
***COMPUTHERM E800RF (TX)* Wi-Fi thermostats**

Download on the App Store | GET IT ON Google Play

The basic package of the device includes two wireless programmable Wi-Fi thermostats and a receiver. If required, it can be expanded with 6 more ***COMPUTHERM E800RF (TX)*** Wi-Fi thermostats. The receiver receives the switching signals of the thermostats, controls the boiler and gives commands to open/close the heating zone valves (max. 8 zones) belonging to the thermostats, as well as to start the pump connected to the common pump output. The zones can be operated separately or even simultaneously. This way **only those rooms are heated at a given time, whose heating is required**. With internet access, **devices connected to the thermostat can be remotely controlled** and their operation can be checked using your mobile phone or tablet. The thermostats enable you **setting the switching sensitivity, calibrating the heat sensor, easy switching between cooling and heating modes and locking the control buttons**.
We recommend it for places where programmability and the division of the heating system into zones are needed, and remote control, accurate temperature measurement and temperature setting, portability and switching accuracy are also important.
There is a wireless connection between the thermostat and its receiver unit, therefore the location of the thermostat can also be changed during use. The transmitter and receiver of the thermostat also require a constant power supply.

The most important technical data of thermostats (transmitters):

- **User interface: touch buttons, mobile application**
- Adjustable temperature range: 5 °C to 99 °C (in 0.5 °C increments)
- Temperature measurement accuracy: ±0.5 °C (at 25 °C)
- Thermometer calibration range: ±3.0 °C (in 0.1 °C increments)
- Selectable switching sensitivity: ±0.1 °C to ±1.0 °C (in 0.1 °C increments)
- Supply voltage of the thermostat: USB-C 5 V DC, 1 A
- Operating frequency: RF 433 MHz, Wi-Fi (b/g/n) 2.4 GHz
- Transmission distance of the RF communication: approx. 250 m in open terrain

The most important technical data of the receiver unit:

- Supply voltage 230 V AC, 50 Hz
- Switchable voltage of the relay that controls the boiler: max. 30 V DC / 250 V AC
- **Switchable current of the relay that controls the boiler: 3 A (1 A inductive load)**
- **Voltage and loadability of pump outputs: 230 V AC, 50 Hz, 10(3) A**

COMPUTHERM® WI-FI THERMOSTAT COMPARISON

www.computherm.info/en

	COMPUTHERM® B300	COMPUTHERM® B300RF	COMPUTHERM® B400RF	COMPUTHERM® E230	COMPUTHERM® E280 + E300*	COMPUTHERM® E280FC + E300FC*	COMPUTHERM® E400RF	COMPUTHERM® E800RF
								
Adjustable temperature range:	-55 °C – +100 °C (in 0.1 °C increments)	-55 °C – +100 °C (in 0.1 °C increments)	-55 °C – +100 °C (in 0.1 °C increments)	5 °C – 99 °C (in 0.5 °C increments)	5 °C – 99 °C (in 0.5 °C increments)	5 °C – 99 °C (in 0.5 °C increments)	5 °C – 99 °C (in 0.5 °C increments)	5 °C – 99 °C (in 0.5 °C increments)
Temperature measurement accuracy:	±0.5 °C	±0.3 °C	±0.5 °C	±0.5 °C	±0.5 °C	±0.5 °C	±0.5 °C	±0.5 °C
Temperature calibration range:	–	–	±9.9 °C (in 0.1 °C increments)	±3.0 °C (in 0.1 °C increments)	±3.0 °C (in 0.1 °C increments)	±3.0 °C (in 0.1 °C increments)	±3.0 °C (in 0.1 °C increments)	±3.0 °C (in 0.1 °C increments)
Switching sensitivity:	0 °C – ±74 °C (in 0.1 °C increments)	0 °C – ±74 °C (in 0.1 °C increments)	0 °C – ±74 °C (in 0.1 °C increments)	±0.1 °C – ±1.0 °C (in 0.1 °C increments)	±0.1 °C – ±1.0 °C (in 0.1 °C increments)	±0.1 °C – ±1.0 °C (in 0.1 °C increments)	±0.1 °C – ±1.0 °C (in 0.1 °C increments)	±0.1 °C – ±1.0 °C (in 0.1 °C increments)
Humidity measurement accuracy:	–	±2% RH	±2% RH	–	–	–	–	–
Supply voltage of the thermostat / temperetura sensor:	230 V AC, 50 Hz	2 x 1.5 V AA (LR6) alkaline batteries	constant USB-C 5 V DC	230 V AC, 50 Hz	230 V AC, 50 Hz	230 V AC, 50 Hz	constant USB-C 5 V DC	constant USB-C 5 V DC
Receiver supply voltage:	–	230 V AC, 50 Hz	230 V AC, 50 Hz	–	–	–	230 V AC, 50 Hz	230 V AC, 50 Hz
Max. switchable current:	16 A (4 A inductive load)	16 A (4 A inductive load)	16 A (4 A inductive load)	230 V AC, 16 A (4 A inductive load)	8 A (2 A inductive load)	valve outputs : 230 V AC, 3(1) A fan outputs: 230 V AC, 5(1) A	10 A (3 A inductive load)	boiler control output: 3(1) A pump outputs: 230 V AC, 10(3) A zone outputs: 230 V AC, 3(1) A
Output type:	potential-free	potential-free	potential-free	230 V	potential-free	230 V	potential-free	potential-free and 230 V
Number of controllable heating/cooling circuits:	1	1	1	1	1	1	1	8
Number of built-in relays:	1	1	1	1	2	3	1	10
User interface:	mobile application, website	mobile application, website	touch screen, mobile application, website	touch screen, mobile application	touch screen, mobile application	touch screen, mobile application	touch screen, mobile application	touch screen, mobile application
Display:	–	–	✓	✓	✓	✓	✓	✓
Wireless:	–	✓	✓	–	–	–	✓	✓
Temperature sensor included in the basic package:	wired temperature sensor	wireless temperature sensor	internal temperature sensor	internal temperature sensor, wired floor sensor	internal temperature sensor, wired floor sensor	internal temperature sensor	internal temperature sensor	internal temperature sensor
Connectable additional temperature sensors:	wired temperature sensor	wired and wireless temperature sensor	wired and wireless temperature sensor	–	–	–	–	–
Operating frequency:	Wi-Fi (b/g/n) 2.4 GHz	RF 433 MHz, Wi-Fi (b/g/n) 2.4 GHz	RF 433 MHz, Wi-Fi (b/g/n) 2.4 GHz	Wi-Fi (b/g/n) 2.4 GHz	Wi-Fi (b/g/n) 2.4 GHz	Wi-Fi (b/g/n) 2.4 GHz	RF 433 MHz, Wi-Fi (b/g/n) 2.4 GHz	RF 433 MHz, Wi-Fi (b/g/n) 2.4 GHz
Temperature sensor / thermostat transmission distance:	–	approx. 250 m in open terrain	approx. 250 m in open terrain	–	–	–	approx. 250 m in open terrain	approx. 250 m in open terrain

* The **COMPUTHERM E300** and **E300FC** Wi-Fi thermostats are more advanced versions of the **COMPUTHERM E280** and **E280FC** Wi-Fi thermostats, with black instead of white colour, glass screen and even more modern display.

COMPUTHERM® BOILER/TUBE THERMOSTATS

The probe of the thermostats detects the temperature of the material stagnating or flowing in the pipe/boiler and, in response to a temperature change, it provides **a potential-free electrical closing/ opening contact** at the adjusted temperature. We primarily recommend using them to control pumps for underfloor heating and hot water circulation.

WPR-90GC

capillary tube/boiler thermostat with immersion sleeve

- Adjustable temperature range: 0 °C to 90 °C
- Switching sensitivity: ±2.5 °C
- Switchable voltage: max. 24 V DC / 250 V AC
- **Switchable current: 16 A (4 A inductive load)**
- Connection dimensions of the sleeve pipe: G=1/2"; Ø8x100 mm
- Length of the capillary tube: 1m
- Protection against environmental impacts: IP40
- Maximum enviroment temperature: 80 °C (110 °C for the probe)

WPR-90GD

tube thermostat with contact sensor

- Adjustable temperature range: 0 °C to 90 °C
- Switching sensitivity: ±2.5 °C
- Switchable voltage: max. 24 V DC / 250 V AC
- **Switchable current: 16 A (4 A inductive load)**
- Protection against environmental impacts: IP40
- Maximum enviroment temperature: 80 °C (110 °C for the probe)

WPR-90GE

tube/boiler thermostat with immersion sleeve

- Adjustable temperature range: 0 °C to 90 °C
- Switching sensitivity: ±2.5 °C
- Switchable voltage: max. 24 V DC / 250 V AC
- **Switchable current: 16 A (4 A inductive load)**
- Connection dimensions of the sleeve pipe: G=1/2"; Ø8x100 mm
- Protection against environmental impacts: IP40
- Maximum enviroment temperature: 80 °C (110 °C for the probe)

COMPUTHERM® PUMP CONTROLLERS

The pump controllers measure the temperature of the medium standing or flowing in the pipeline / boiler by their digital temperature sensor. As a result of a temperature change, they switch at the set temperature and the 230 V voltage appears at their output. The **pre-assembled connecting cables** make it easy to control any circulating pump or other electrical device that is operated by 230 V. The devices **can be used to control circulating pumps of both heating and cooling systems, offer the option to select switching sensitivity, and have a pump protection and a frost protection function**.

WPR-100GC

pump controller with wired temperature sensor

- Adjustable temperature range: 5 °C to 90 °C (in 0.1 °C increments)
- Temperature measure range: -19 °C to 99 °C (in 0.1 °C increments)
- Switching sensitivity: ±0.1 °C to 15.0 °C (in 0.1 °C increments)
- Temperature measurement accuracy: ±1.0 °C
- Supply voltage: 230 V; 50 Hz
- **Output voltage: 230 V(AC); 50 Hz**
- **Loadability: max. 10 A (3 A inductive load)**
- Protection against environmental impacts: IP40
- Connection dimension of the sleeve pipe: G=1/2"; Ø8x60 mm

WPR-100GD

pump controller with contact sensor

- Adjustable temperature range: 5 °C to 80 °C (in 0.1 °C increments)
- Temperature measure range: -19 °C to 99 °C (in 0.1 °C increments)
- Switching sensitivity: ±0.1 °C to 15.0 °C (in 0.1 °C increments)
- Temperature measurement accuracy: ±1.5 °C
- Supply voltage: 230 V; 50 Hz
- **Output voltage: 230 V AC; 50 Hz**
- **Loadability: max. 10 A (3 A inductive load)**
- Protection against environmental impacts: IP40

WPR-100GE

pump controller with immersion sleeve

- Adjustable temperature range: 5 °C to 80 °C (in 0.1 °C increments)
- Temperature measure range: -19 °C to 99 °C (in 0.1 °C increments)
- Switching sensitivity: ±0.1 °C to 15.0 °C (in 0.1 °C increments)
- Temperature measurement accuracy: ±1.0 °C
- Supply voltage: 230 V; 50 Hz
- **Output voltage: 230 V; 50 Hz**
- **Loadability: max. 10 A (3 A inductive load)**
- Protection against environmental impacts: IP40
- Connection dimension of the sleeve pipe: G=1/2"; Ø8x60 mm

COMPUTHERM® HC20

electric heating cable

NEW

The **COMPUTHERM HC20** electric heating cable is suitable for both main and additional heating. In the case of direct heating, the product can be installed in the tile adhesive or screed layer, but it can also be installed in a concrete layer, which can be used to heat storage heatings. **It can be installed both when renovating old covering and laying new covering.** The heating cables are made in different sizes: 10 m, 20 m, and 50 m.

- Supply voltage: 230 V AC
- **Power: 20 W/m**
- Length: 10 m, 20 m, 50 m
- Maximum heating temperature*: app. 82 °C
- Protection against environmental impacts: IP67

** The maximum heating temperature is the surface temperature of the product under normal conditions and constantly turned on status.*

COMPUTHERM® HM150

electric heating mat

NEW

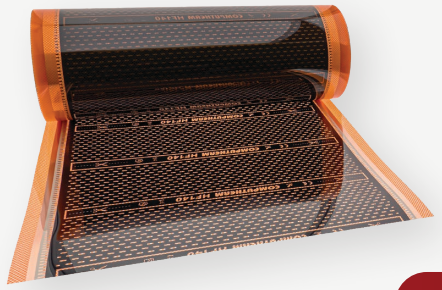
A **COMPUTHERM HM150** type electric heating mat is suitable for both main and supplementary heating. The fiberglass net fixes the position of the heating cable and help the **easy and quick installation**. The heating mats are available in different sizes: 1 m^2, 2.5 m^2, 5 m^2, 10 m^2

- Supply voltage: 230 V AC
- **Power: 150 W/m^2**
- Length: 10 m, 20 m, 50 m
- Width: 0.5 m
- Maximum heating temperature*: app. 82 °C
- Protection against environmental impacts: IP67

** The maximum heating temperature is the surface temperature of the product under normal conditions and constantly turned on status.*

COMPUTHERM® HF140

electric heating film



NEW

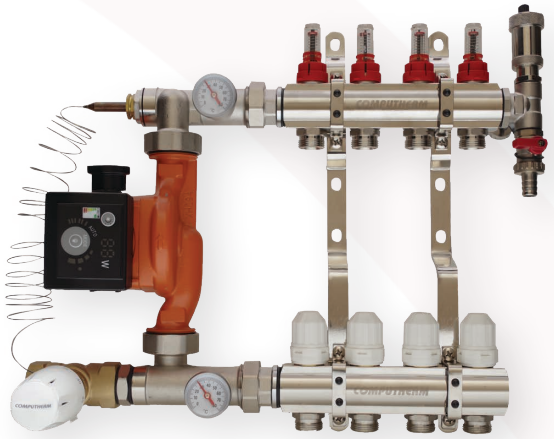
Available accessories:
clip, insulating patch

The **COMPUTHERM HF140** is a heating device that is particularly suitable for heating warm floor coverings due to its thin design and uniform heat output. You can **cost-effectively and quickly install** an electric underfloor heating system in the room you want to heat, with which you can increase your comfort and keep an even temperature. It is the perfect choice for renovating an old heating system or building a new one. It can be cut every 12.5 centimetres, so it easily fits into any room design.

- Supply voltage: 230 V AC
- **Power: 140 W/m^2**
- Length: 50 m
- Width: 0.5 m
- Maximum heating temperature*: approx. 45 °C
- Protection against environmental impacts: IP67

** The maximum heating temperature is the surface temperature of the product under normal conditions and constantly turned on status.*

COMPUTHERM® MANIFOLD AND FITTINGS



MF01 (3–8 ways)

1" collection manifold with built in valve connection dimensions of regulators: M30 x 1.5mm

MF02 (3–8 ways)

1" distribution manifold with built in valve

MF03 (3–8 ways)

1" distribution manifold with flowmeters

MF04

combined connector for DN25 pump with thermometer and immersion sleeve (one pair)

MF05

1" x 1/2" x 1/2" end piece

MF06

1" compression straight coupling

MF07

connector for Ø16 and Ø20 mm plastic pipes

MF08

bracket (one pair)

MF09

1/2" automatic air vent

MF10

1/2" purge valve
(with red or blue handle)

MF11

1/4" thermometer
20 – 80 °C

COMPUTHERM® PLASTIC MANIFOLD AND FITTINGS

PMF01
plastic maifold set

- distributor + collector + flowmeters + end connections with vent valves and with drain plugs + rubber sealing rings + support bracket
- 2–3–4–5–6–8–10–12 branches version
- Material:
  - Exterior: glass fiber reinforced plastic (nylon; PA66GF30)
  - Tube: brass
- Max. operating pressure: 16 bar
- Condensation resistant
- Permitted medium temperature: 0 to 100 °C
- Size of end connectors: 1”
- Size of output connectors: 3/4”

PMF02
combined connector for plastic pipe

- Material: brass
- Size: Ø16 mm / Ø20 mm

PMF03
manifold cabinet

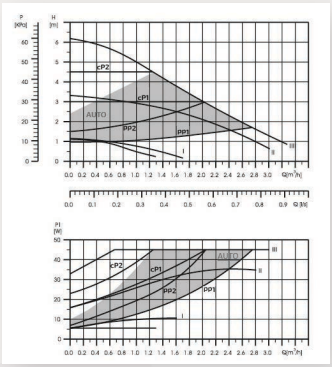
- Can be locked with a key
- Material: steel
- Size:
  - Depth: 110 mm
  - Height: 450 mm
  - Width:
    400 mm (for 2–4 branches)
    600 mm (for 5–8 branches)
    800 mm (for branches 9–12)
    1000 mm (for 12+ branches)

COMPUTHERM®
DPA20-6; DPA25-6

energy class A circulation pump

A ***DPA*** low-energy circulation pumps are designed for the circulation of water in one-pipe, two-pipe, radiator-based and underfloor heating systems. The permanent-magnet motor and the modern electronic control of the ***DPA*** pump enables the pump to adapt its performance to the current needs of the heating system automatically. Because of this, the energy consumption of these pumps are significantly lower than the consumption of conventional pumps, and they are classified as **Energy Efficiency Class A** pumps.

- Supply voltage: 230 V AC, 50 Hz
- Max. medium temperature: +10 °C – +110 °C
- Max. working pressure: 10 bar
- **Max. head: 6 m**
- Max. flow: 3.3 m^3/h (DPA20-6); 3.5 m^3/h (DPA25-6)
- Nominal width: G 1" (DPA20-6); 1½" (DPA25-6)
- Port to port length: 130 mm (DPA20-6); 180 mm (DPA25-6)
- **Motor performance: 5 – 45 W**
- Energy label: "A"
- Protection against environmental impacts: IP42
- Insulation label: F
- Material of the motor: cast iron
- Type of the motor: induction motor
- Material of the runner: PES
- Noise level: max. 45 dB
- **EEI: < 0.23**



COMPUTHERM®

hydraulic separators with thermal insulation

The hydraulic separator is an equipment that can be used to ensure the independent operation of different heating/cooling circuits by creating a short circuit between the forward and return pipelines. As a result, it detaches the heat generating equipment from energy-using circuits.
Thanks to the created hydraulic short circuit the pumps can provide the necessary flow volumes to the different heating/cooling circuits without disturbing each other, and the individual circuits can operate with different flow volumes. With the use of hydraulic separators it becomes **easier to design, operate and regulate a system consisting of multiple heating/cooling circuits**.

Material: stainless steel
Max. operating pressure: 10 bar

Type	Water connection dimensions (external thread)		Air vent and purge valve connection dimensions (internal thread)	Max. flow rate	Max. performance*
HS20	**DN20**	3/4"	1/2"	2.700 l/h	45 kW
HS25	**DN25**	1"	1/2"	4.800 l/h	80 kW
HS32	**DN32**	5/4"	1/2"	9.000 l/h	155 kW
HS40	**DN40**	6/4"	1/2"	21.600 l/h	375 kW

* Maximum performance values are valid for ΔT = 15 °C

COMPUTHERM®

radiator valve/zone valve;
2- and 3-way valve

We recommend using the valves to regulate heat emission from radiators, for controlling the heating water temperature by stirring, or to sectionalize heating zones. The valve can be regulated by a manual control button, a thermostat head or an electro-thermal actuator.

Connection dimensions of controlling equipment (thermostat head, actuator): M30x1.5 mm.

Type	Size	Model	K_{vs}
2-way valve	3/4"	**DN20-2**	3.5
	1"	**DN25-2**	5
3-way valve	3/4"	**DN20-3**	3.5
	1"	**DN25-3**	5

COMPUTHERM® DS2-20

magnetic dirt separator

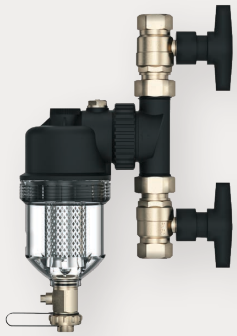
NEW

The **COMPUTHERM DS2-20** magnetic dirt separators are used to collect and remove dirt in heating and cooling systems. With their proper design and the **filters and strong magnets** they contain, they effectively remove both magnetic and non-magnetic impurities from heating/cooling systems, helping the system function properly and increasing its service life. With its small size and its included ball valve, it can be easily installed even in tight spaces.

- **Connector size: 3/4"**
- Maximum operating pressure of the heating circuit: 10 bar
- Minimum operating temperature: 0 °C
- Maximum operating temperature: 90 °C
- K_{vs}: 3.4 m^3/h
- **Magnetic strength: 9000 Gauss (neodymium magnet)**
- Material of the case: glass fiber reinforced nylon (PA66)

COMPUTHERM® DS5-20; DS5-25

magnetic dirt separators



NEW

Reinforced tank

The **COMPUTHERM DS5-20** and **COMPUTHERM DS5-25** magnetic dirt separators are used to collect and remove dirt in heating and cooling systems. With their proper design and the **filters and strong magnets** they contain, they effectively remove both magnetic and non-magnetic impurities from heating/cooling systems, helping the system function properly and increasing its service life. Due to its **transparent tank** the amount of dirt collected can be checked without disassembling the system. With two different connection sizes and the included ball valves, they can be easily installed without the use of additional parts. After removing the collected dirt, the venting can be easily solved with the built-in air vent.

- **Connector size of the valves: 3/4" (DS5-20) or 1" (DS5-25)**
- Maximum operating pressure of the heating circuit: 4 bar
- Minimum operating temperature: 0 °C
- Maximum operating temperature: 100 °C
- K_{vs}: 1.6 m^3/h (DS5-20); 2.8 m^3/h (DS5-25)
- **Magnetic strength: 12000 Gauss (neodymium magnet)**
- Material of the case: glass fiber reinforced nylon (PA66)

COMPUTHERM® MP400; MP420

sewage lifting units

NEW

The **COMPUTHERM MP400** and **MP420** drain lifts are designed for indoor drainage where the wastewater is generated far from and / or deeper than the main sewage tube and therefore cannot be drained into the sewage system by gravity.
The devices have a 450 W built-in wastewater pump with a maximum of 100 l/min waterflow that allows the gravitationally collected wastewater from the household (toilet, washbasin, washing machine, shower, etc.) to be lifted and **transported to a maximum of 8 m vertical height and/or a maximum of 80 m horizontal distance**.

- Working voltage: 230 V AC; 50 Hz
- **Motor performance: 450 W**
- Max. flow: 100 l/min
- **Max. vertical delivery: 8 m**
- **Max. horizontal delivery: 80 m**
- Nominal width of suction pipe: 1 x Ø100 mm (in case of MP420) and 3 x Ø40 mm
- Nominal width of delivery pipe: Ø23/28/32/44 mm

COMPUTHERM® DF-110E

electro-thermal actuator

The **COMPUTHERM DF-110E** valve actuator is 2-point controlled and is electro-thermally operated. It can be mounted on zone valves and manifolds using its flare nut. With factory default setting and in its non-voltage state the actuator keeps the valve closed, while it opens the valve in response to 230V voltage in a couple of minutes.
The operation of the **COMPUTHERM DF-110E** valve actuator can be **easily inverted to keep the valve opened in its non-voltage state**, if required. The open or closed position of the valve is indicated by the axial displacement/ position of the pin located on the front panel of the actuator. In closed position the pin sinks into the front panel, in opened position the pin raises some millimeters above the front panel. The simple electro-thermal construction ensures reliable operation and low energy consumption.

- Supply voltage: 230 V AC, 50 Hz
- Power consumption: 3 W
- Max. current: ~150 mA
- **In non-voltage state the valve is: opened/closed, based on its setting**
- Maximum stroke: ~4 mm
- Length of connecting cable: 1 m
- Dimensions of the flare nut: M30x1.5 mm
- Opening/closing period: ~4.5 minutes (25 °C)
- Opening force: 90 – 125 N
- Protection against environmental impacts: IP40

COMPUTHERM® DF-230

electro-thermal actuator

The **COMPUTHERM DF-230** valve actuator is 2-point controlled and is electro-thermally operated. It can be mounted on zone valves and manifolds using its flare nut. The open or closed position of the valve is indicated by the axial displacement/position of the grey cylinder located on the front panel of the actuator.

- Supply voltage: 230 V AC, 50 Hz
- **In non-voltage state the valve is: closed**
- Power consumption: 2 W
- Max. current: ~50 mA
- Protection against environmental impacts: IP41
- Maximum stroke: ~4 mm
- Length of connecting cable: 1 m
- Dimensions of the flare nut: M30x1.5 mm
- Opening/closing period: ~4 minutes (25 °C)
- Opening force: 120 N

COMPUTHERM® DF-330

electro-thermal actuator

The **COMPUTHERM DF-330** actuators have **both automatic and manual modes**. Switching between these operating modes by turning the transparent dial on the front panel of the actuator. In its automatic mode the actuator keeps the valve closed, while it opens the valve in response to 230V voltage in 4 minutes.(~4 mm stroke) In manual mode, the actuator keeps the valve partially open, regardless of the power supply (~2.5 mm stroke).

- Supply voltage: 230 V AC, 50 Hz
- **In non-voltage state the valve is: closed**
- **Modes: manual and automatic**
- Power consumption: 2 W
- Max. current: ~50 mA
- Protection against environmental impacts: IP54
- Maximum stroke: ~4 mm
- Length of connecting cable: 0.8 m
- Dimensions of the flare nut: M30x1.5 mm
- Opening/closing period: ~4 minutes (25 °C)
- Opening force: 100 N

COMPUTHERM® TF-13

temperature regulating thermostat head
with a capillary tube

The probe of the thermostat head with capillary tube mounted on a control valve detects the temperature of the material stagnating or flowing in the pipeline by means of a pipe sleeve, and opens or closes the valve whenever the temperature of the material is below or above the temperature set in the temperature scale. It is primarily intended to **adjust or limit the temperature of the underfloor heating system**.

- Adjustable temperature range: 20 to 60 °C
- Dimension of the flare nut: M30 x 1.5 mm
- Dimensions of the immersion sleeve: G=1/2"; L=140 mm
- Length of the capillary tube: 2 m

COMPUTHERM® RAV-100

Radiator bleeder with water reservoir

NEW

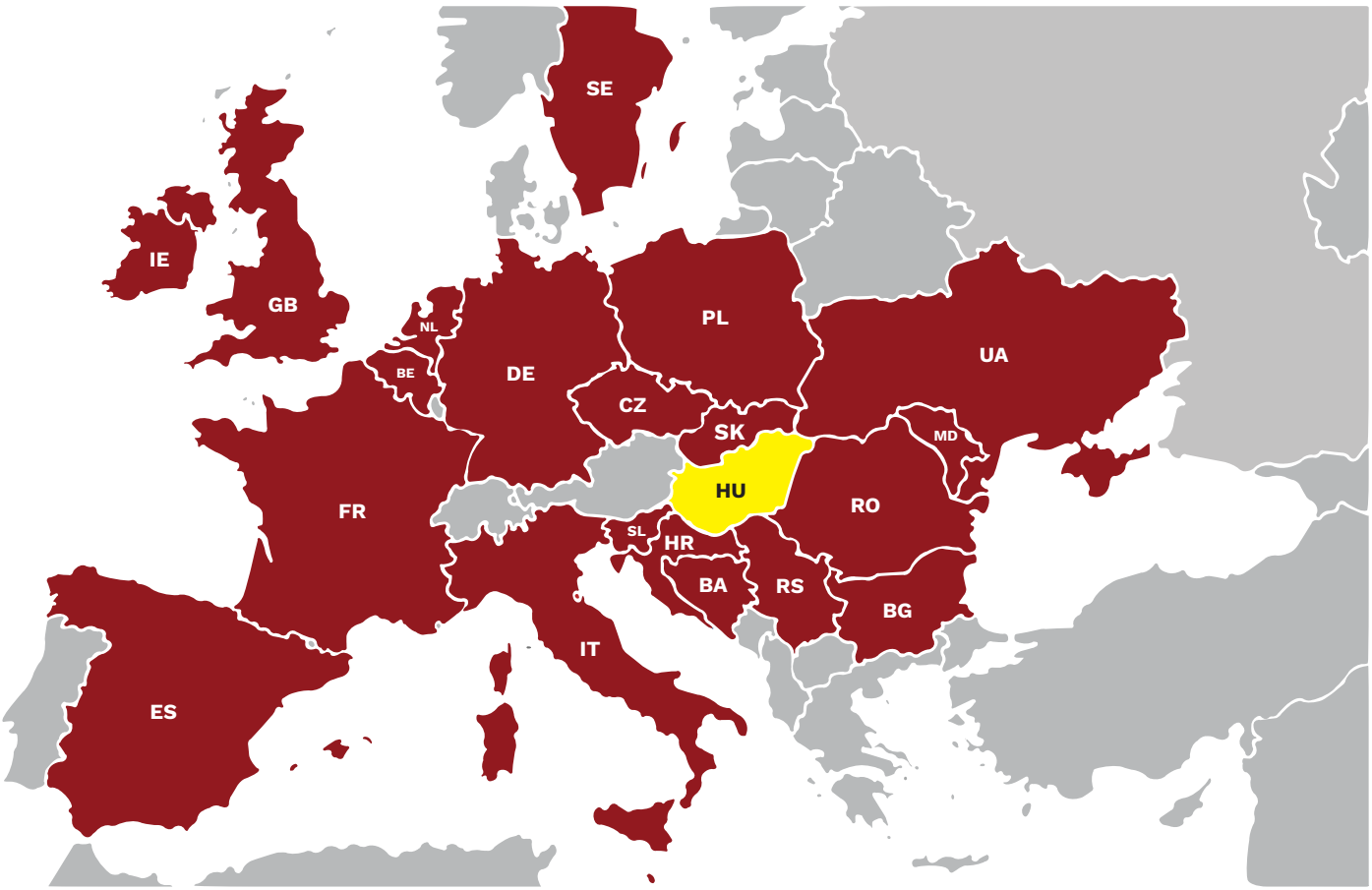
The **COMPUTHERM RAV-100** with its integrated water reservoir offers a practical solution for clean and efficient radiator air removal. The built-in reservoir collects any water released during the process, preventing spills. Its compact design ensures it can be easily used even in tight spaces.

This product is compatible with all standard radiator bleeding vents featuring a 5 mm connection.

- Connection Diameter: 5 mm
- Connection Material: Brass
- Reservoir Capacity: 50 ml
- Reservoir Material: Plastic

COMPUTHERM®

Essential accessories for a warm welcome



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