EUROSTER®

ciepło na życzenie

EUROSTER 4040 TX

18.6°C
Śr
04.12.2019
21.0°C

Product catalog

THERMOSTATS

FLOOR HEATING SYSTEMS

HEATING ZONE CONTROLLERS

CONTROLLERS

ACCESSORIES

e4040 SERIES

THERMOSTATS

e4040
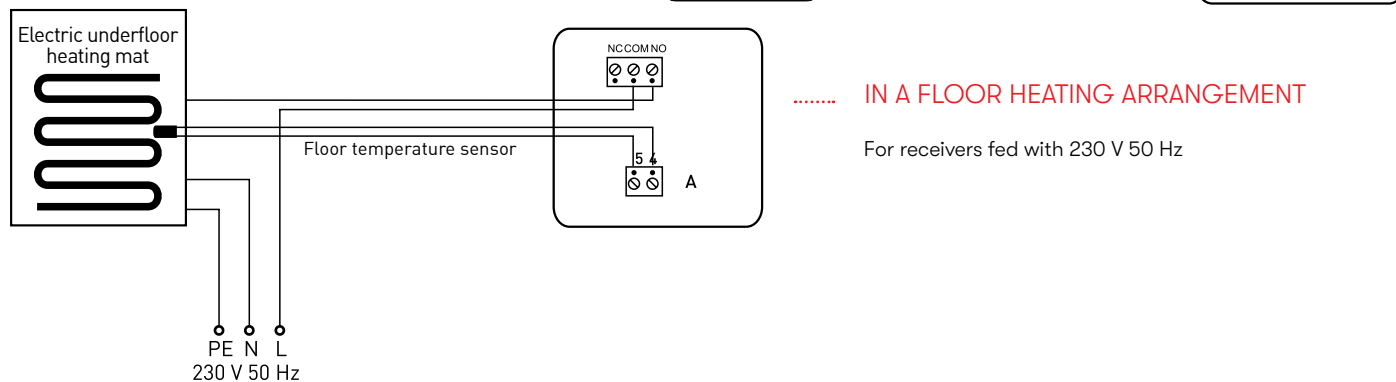
e4040B

EUROSTER®

ciepło na życzenie

e4040 / e4040B

Wired, weekly room thermostat for all types of heating and air-conditioning devices.

- o **Clear, back-lit E-Ink display**
- o **Two temperature levels: comfort and economical**
- o **Operation in one of the three following operation modes:**
  - • **room temperature control**
  - • **floor temperature control**
  - • **room temperature control with floor temperature limitation**
- o **0.5-hour accuracy of range programming**
- o **Simultaneous display of current and preset temperature values**
- o **Thermostat interlock with a selectable 4-digit PIN**
- o Numerous useful functions: temporary temperature setting, keypad interlock, constant temperature, vacation mode, discharged batteries indication
- o **Possibility to switch the thermostat off after the heating season**
- o **Surface mounting**

Supply voltage	3 V - 2 pieces of AAA alkaline batteries
Maximum load	5 A 250 V 50 Hz
Thermostat output	relay, voltage-free type, SPDT
Temperature measurement range	0°C...+100°C
Temperature adjustment range	+5 °C...+35 °C / +5 °C...+85 °C in floor temperature measurement mode
Temperature adjustment accuracy	0,1°C
Temperature reading accuracy	0,1°C
Hysteresis range	0.2°C...10°C **with step of the change of 0.1°C or PWM mode**

IN ARRANGEMENT WITH A GAS BOILER ....

Gas boiler

NC COM NO

5 4

A

IN A FLOOR HEATING ARRANGEMENT

For receivers fed with 230 V 50 Hz

Electric underfloor heating mat

NC COM NO

Floor temperature sensor

5 4

A

PE N L
230 V 50 Hz

IN A HEATING / COOLING ARRANGEMENT ....

For receivers fed with 230 V 50 Hz voltage

Heating device

NC COM NO

5 4

A

PE N L
230 V 50 Hz
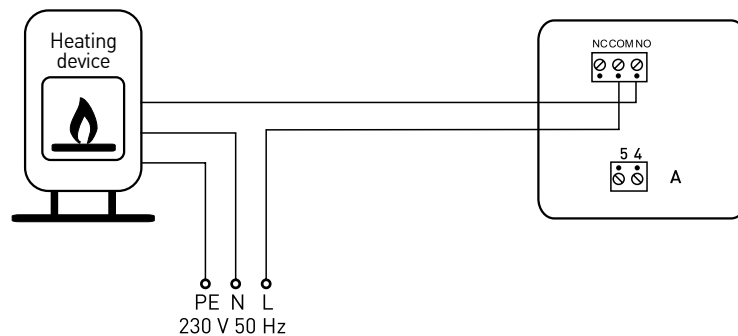
e4040 SERIES

THERMOSTATS

e4040...

e4040...B

**A version with 230 V output available
(see pages 42-43)**

ciepło na życzenie

e4040TXRX / e4040TXRXG / e4040TXRXN

Wireless, weekly programmable thermostat for all types of heating and air conditioning devices

- o **Bidirectional communication ensures high operational reliability and resistance to interference**
- o **Possibility to cooperate with maximum 6 pieces of 4040RX receivers**
- o **Clear, back-lit E-Ink display**
- o **Two temperature levels: comfort and reduced**
- o 0.5-hour accuracy of range programming
- o **Simultaneous display of current and preset temperature values**
- o **Thermostat interlock with a selectable 4-digit PIN**
- o Numerous useful functions: temporary temperature setting, keypad interlock, constant temperature, vacation mode, discharged batteries indication
- o **Possibility to switch the thermostat off after the heating season**
- o **E4040TXRXG – a receiver equipped with a socket to connect any 230 V powered device**

Thermostat supply voltage	3 V - 2 pieces of AAA alkaline batteries
Receiver supply voltage	230 V 50 Hz
Maximum receiver output load	5 A 250 V 50 Hz
Receiver output	relay, voltage-free type, SPST
Temperature measurement range	0°C...+100°C
Temperature adjustment range	+5°C...+35°C
Temperature adjustment accuracy	0.1°C
Temperature reading accuracy	0.1°C
Hysteresis range	0.2°C... 10°C **with step of the change of 0.1°C** or **PWM mode**
Receiver mounting method	230 V 50 Hz socket

IN ARRANGEMENT WITH A GAS BOILER

1. Electrical connection block
2. Output cable, using COM - NO contact (normally open)
3. Euroster RX (receiver)
4. Euroster TX placed in any room

IN ARRANGEMENT WITH A GAS BOILER AND A C.H. PUMP

230 V 50 Hz

230 V 50 Hz

N   L

1. CH boiler
2. CH pump
3. Heat consumer – radiator
4. Electrical connection block
5. Euroster RX (receiver)
6. Euroster TX (transmitter)
7. Output cable, using COM - NO contact (normally open)

ACCESSORIES

EUROSTER RX

RX receiver

(E4040TXRX, E4010TXRX, E4020TXRX, E2006 TXRX, E2026TXRX 868 MHz version)

e4040 SERIES

THERMOSTATS

e4040SMART

e4040SMARTB

A version with 230 V output available (see pages 42-43)

ciepło na życzenie
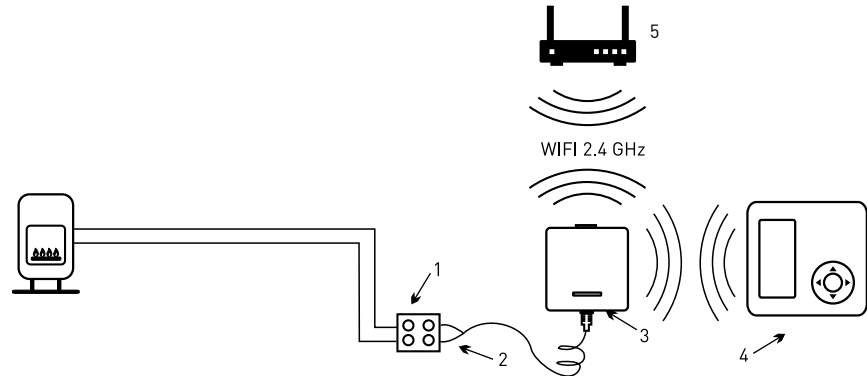
e4040SMART / e4040SMARTB

Wireless, weekly programmable thermostat for heating devices featuring remote control with a smartphone or tablet (Android, IOS).

- **Control by means of dedicated mobile applications for iOS and Android systems**
- Remote access by a user-friendly application in Polish and English
- **Integrated Wi-Fi – no need to use gateways, RX receiver is connected directly to the home Wi-Fi network**
- User-friendly thermostat, enabling easy control of temperature in living and utility rooms
- Information on radio signal level facilitates determination of the maximum range
- **Clear, back-lit E-Ink display**
- Two temperature levels: comfort and reduced
- 0.5-hour accuracy of range programming
- Simultaneous display of current and preset temperature values
- Thermostat interlock with a selectable 4-digit code
- Possibility to switch the thermostat off with an active frost protection temperature after the heating season
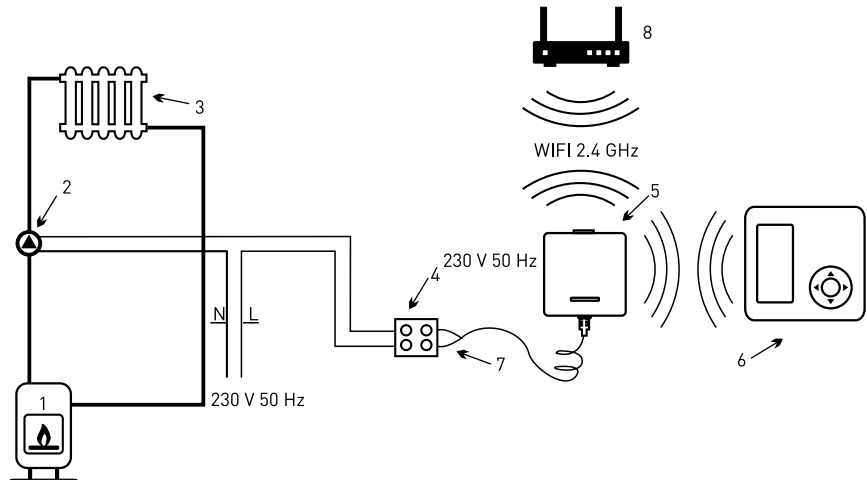
Supply voltage	3 V - 2 pieces of AAA alkaline batteries
Maximum load	5 A 250 V 50 Hz
Thermostat output	relay, voltage-free type, SPST
Temperature measurement range	0°C...+100°C
Temperature adjustment range	+5°C...+35°C
Temperature adjustment accuracy	0.1°C
Temperature reading accuracy	0.1°C
Hysteresis range	0.2°C... 10°C **with step of the change of 0.1°C** or **PWM mode**
Thermostat class:	**IV (PWM mode)**
Contribution to energy efficiency:	**2% (PWM mode)**

1. Electrical connection block
2. Output cable, using COM - NO contact
   (normally open)
3. Euroster RX (receiver)
4. Euroster TX placed in any room
5. 2.4 GHz Wi-Fi router

WIFI 2.4 GHz

IN ARRANGEMENT WITH A CENTRAL HEATING PUMP

WIFI 2.4 GHz

230 V 50 Hz

N L

230 V 50 Hz

1. CH boiler
2. CH pump
3. Heat consumer – radiator
4. Electrical connection block
5. Euroster RX (receiver)
6. Euroster TX (transmitter)
7. Output cable, using COM - NO contact
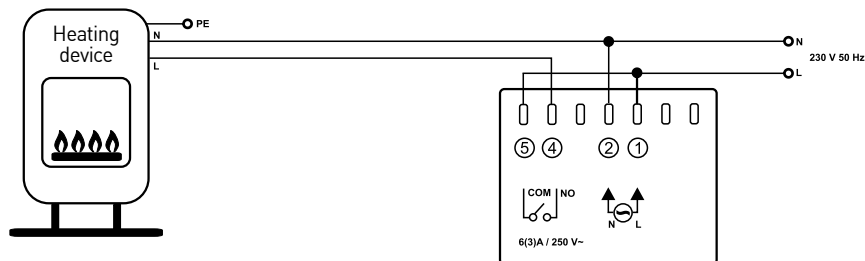   (normally open)
8. 2.4 GHz Wi-Fi router

e0101SMART

Wired programmable thermostat for heating devices featuring remote control with a smartphone or tablet (Android, IOS).
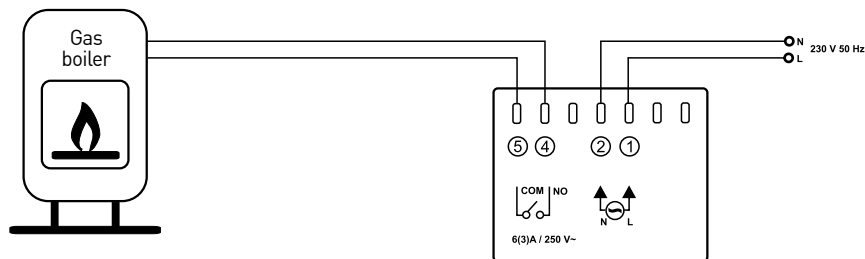
- o Control by means of dedicated mobile applications for **iOS and Android systems**
- o **Remote access by a user-friendly application in Polish and English**
- o **Integrated Wi-Fi – no need to use gateways**
- o Large, legible display
- o Possibility to switch the thermostat off after the heating season
- o Numerous useful functions: temporary temperature setting, constant temperature, vacation mode, geolocation
- o Temperature readings correction
- o 230 V 50-60 Hz supply
- o surface mounting

Supply voltage	200-240 V / 50-60 Hz
Maximum load	6(3) A 250 V 50 Hz
Thermostat output	przekaźnikowe, beznapięciowe, SPST
Temperature measurement range	od 0°C do +48,5°C
Temperature adjustment range	od +5°C do +35°C
Temperature adjustment accuracy	0,2°C
Temperature reading accuracy	0,1°C
Hysteresis range	0,2°C / 0,4°C / 0,6°C / 0,8°C / 1°C
Wi-Fi parameters	2,4 Ghz 802.11 b/g/n

EUROSTER®

ciepło na życzenie

IN ARRANGEMENT WITH THE 230 V 50 HZ DEVICE

Heating device

PE
N
L

N
L
230 V 50 Hz

⑤ ④ ② ①

COM | NO

N L

6(3)A / 250 V~

IN ARRANGEMENT WITH A GAS BOILER

Gas boiler

N
L
230 V 50 Hz

⑤ ④ ② ①

COM | NO

N L

6(3)A / 250 V~

e4020 SERIES
THERMOSTATS

e4020

e4020B

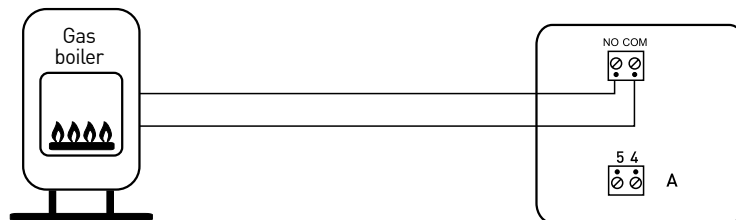**EUROSTER**®

ciepło na życzenie

e4020 / e4020B

Wired, daily room thermostat for all types of heating devices.

- **Used to control the operation of a CH pump, boiler or other heating device**
- **The hysteresis set within the range from 0.2°C to 10°C or PWM adjustment**
- Simultaneous display of current and preset temperature values
- Clear, backlit LCD
- **Function for switching the thermostat off after the heating season**
- **Innovative function of automatic storing daily two preset temperature values**
- **Operation in one of the three following operation modes:**
  - room temperature control
  - floor temperature control
  - room temperature control with floor temperature limitation
- **Thermostat interlock with a selectable 3-digit PIN**
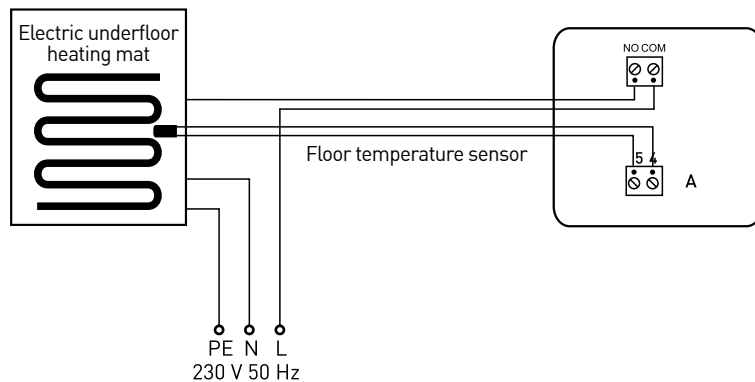- Minimum and maximum temperature setting limitation
- Surface mounting

Supply voltage	3 V - 2 pieces of AAA alkaline batteries
Maximum load	5 A 250 V 50 Hz
Thermostat output	relay, voltage-free type, SPST
Temperature measurement range	0°C...+99°C
Temperature adjustment range	+5°C...+35°C **In the case of 4020 with external sensor, the range is 5°C... 85°C**
Temperature adjustment accuracy	0.1°C
Temperature reading accuracy	0.1°C
Hysteresis range	0.2°C... 10°C with step of the change of 0.1°C or **PWM mode**

IN ARRANGEMENT WITH A GAS BOILER

Gas boiler

NO COM

5 4

A

IN A HEATING / COOLING ARRANGEMENT

For receivers fed with 230 V 50 Hz voltage

Electric underfloor heating mat

Floor temperature sensor

NO COM

5 4

A

PE N L
230 V 50 Hz

e4010 SERIES

THERMOSTATS

e4010

e4010B

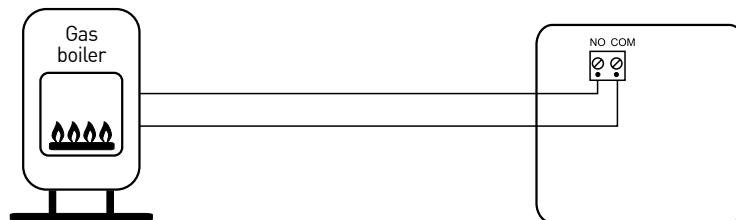**EUROSTER®**

ciepło na życzenie

e4010 / e4010B

Wired, daily room thermostat for all types of heating devices.

- **Used to control the operation of a CH pump, boiler or other heating device**
- **The hysteresis set within the range from 0.2°C to 10°C or PWM adjustment**
- Simultaneous display of current and preset temperature values
- **0.1°C accuracy of the temperature setting and read-out**
- Clear, backlit LCD
- **Function for switching the thermostat off after the heating season**
- Surface mounting

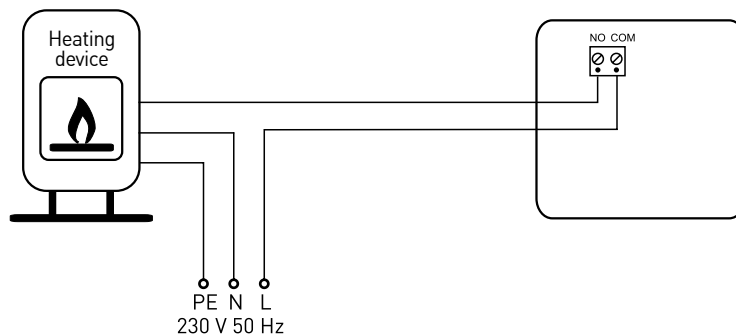|	
Supply voltage	3 V - 2 pieces of AAA alkaline batteries
Maximum load	5 A 250 V 50 Hz
Thermostat output	relay, voltage-free type, SPST
Temperature measurement range	0°C...+99°C
Temperature adjustment range	+5°C...+35°C
Temperature adjustment accuracy	0.1°C
Temperature reading accuracy	0.1°C
Hysteresis range	0.2°C... 10°C with step of the change of 0.1°C **or PWM mode**

**A version
with a humidity sensor
available on request.**

IN ARRANGEMENT WITH A GAS BOILER

Gas
boiler

NO COM

IN A HEATING SYSTEM

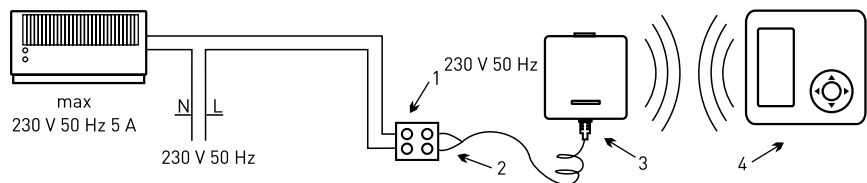For receivers fed with 230 V 50 Hz voltage

Heating
device

NO COM

PE N L
230 V 50 Hz

e4010TXRX / e4020TXRX / e4010TXRXN / e4020TXRXN

Wireless, daily room thermostat for all types of heating and air-conditioning devices.

- **The hysteresis set within the range from 0.2°C to 10°C or PWM adjustment**
- Information on radio signal level facilitates determination of the maximum range
- **Simultaneous display of current and preset temperature values**
- **Function for switching the thermostat off after the heating season**
- **E4020TXRX – Innovative function of automatic storing daily two preset temperature values**
- **E4020TXRX – Possible operation in one of the three following operation modes:**
  - room temperature control
  - floor temperature control
  - room temperature control with floor temperature limitation
- **E4020 TXRX – Thermostat interlock with a selectable 3-digit PIN**
- **surface mounting**

e4010TXRX

e4010TXRXB

A version with 230 V output available (see pages 42-43)

EUROSTER

ciepło na życzenie

Thermostat supply voltage	3 V - 2 pieces of AAA alkaline batteries
Receiver supply voltage	230 V 50 Hz
Maximum receiver output load	5 A 250 V 50 Hz
Receiver output	relay, voltage-free type, SPST
Temperature measurement range	0°C...+99°C
Temperature adjustment range	+5°C...+35°C **In the case of 4020 with external sensor, the range is 5°C... 85°C**
Temperature adjustment accuracy	0.1°C
Temperature reading accuracy	0.1°C
Hysteresis range	0.2°C... 10°C with step of the change of 0.1°C or PWM mode
Receiver mounting method	230 V 50 Hz socket

IN ARRANGEMENT WITH THE 230 V 50 HZ DEVICE

max
230 V 50 Hz 5 A

N L

230 V 50 Hz

230 V 50 Hz

1

2

3

4

1. Electrical connection block
2. Output cable, using COM - NO contact (normally open)
3. Euroster RX (receiver)
4. Euroster TX placed in any room

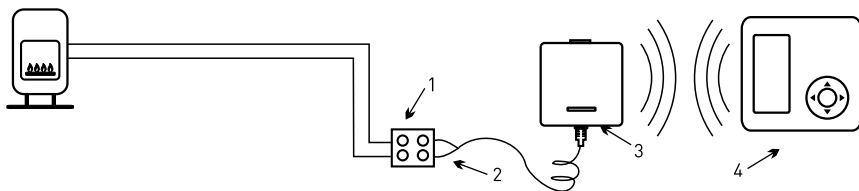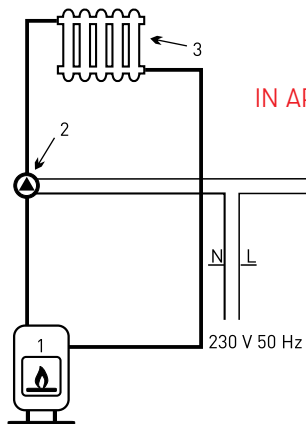## IN ARRANGEMENT WITH A GAS BOILER

1. Electrical connection block
2. Output cable, using COM - NO contact (normally open)
3. Euroster RX (receiver)
4. Euroster TX placed in any room

1

2

3

4

IN ARRANGEMENT WITH A CENTRAL HEATING PUMP

1

2

3

4

5

6

7

N L

230 V 50 Hz

230 V 50 Hz

1. CH boiler
2. CH pump
3. Heat consumer – radiator
4. Electrical connection block
5. Euroster RX (receiver)
6. Euroster TX (transmitter)
7. Output cable, using COM - NO contact (normally open)
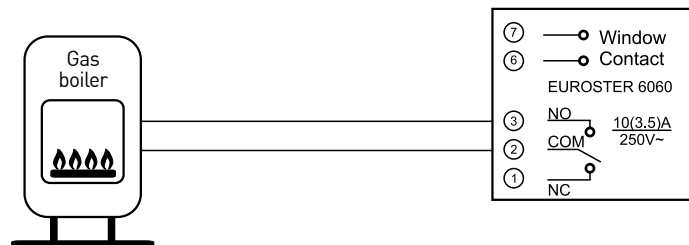
e6060 SERIES
THERMOSTATS

e6060

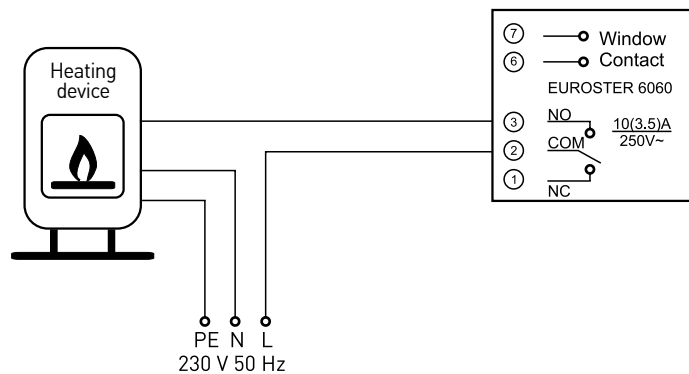**Wired weekly room thermostat for all types of heating devices.**

- **Three temperature levels: comfort, economical and reduced (away)**
- **Large, legible, backlit LCD**
- 0.5-hour accuracy of range programming
- Numerous useful functions: temporary temperature setting, button interlock, constant temperature, vacation mode, discharged batteries indication
- **Possibility to switch the thermostat off after the heating season**
- Temperature readings correction
- **Display contrast control**
- 24-hour clock

Supply voltage	3 V – 2 pieces of alkaline AA batteries
Maximum load	10 (3,5 A) 250 V 50 Hz
Thermostat output	relay, voltage-free type, SPDT
Temperature measurement range	0°C...+50°C
Temperature adjustment range	5°C...+35°C
Temperature adjustment accuracy	0.2°C
Temperature reading accuracy	0.1°C
Hysteresis range	0.2/0.4/0.5/0.6/0.8/1.0°C, default setting 0.5°C

EUROSTER®

ciepło na życzenie

IN ARRANGEMENT WITH A GAS BOILER

Gas boiler

⑦ ——○ Window
⑥ ——○ Contact

EUROSTER 6060

③ NO
② COM   10(3.5)A
①   250V~
    NC

IN A HEATING SYSTEM

Heating device

⑦ ——○ Window
⑥ ——○ Contact

EUROSTER 6060

③ NO
② COM   10(3.5)A
①   250V~
    NC

PE N L
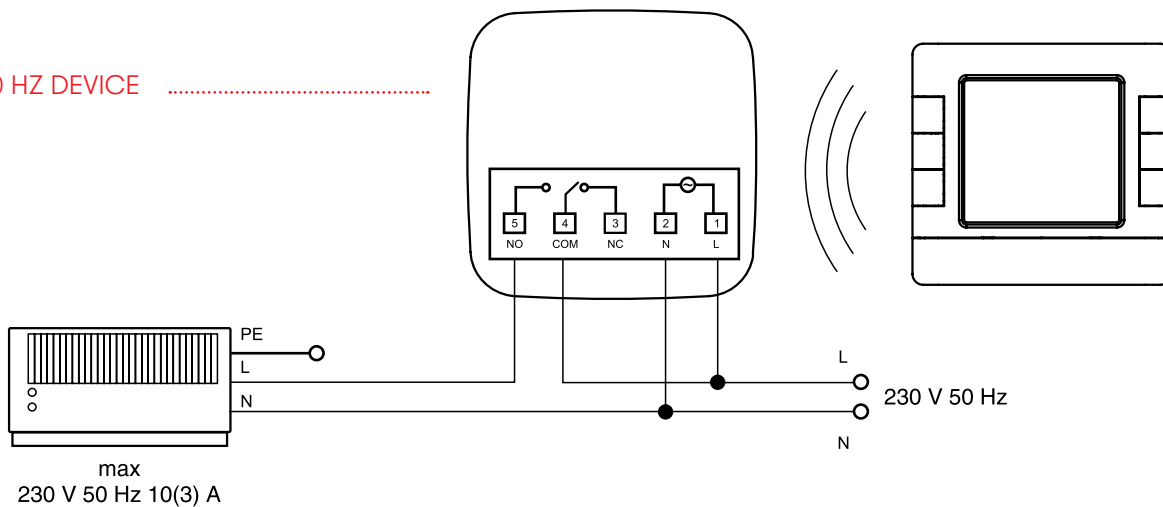230 V 50 Hz

e6060 SERIES

THERMOSTATS

e6060TXRX

Wireless weekly room thermostat for all types of heating devices.
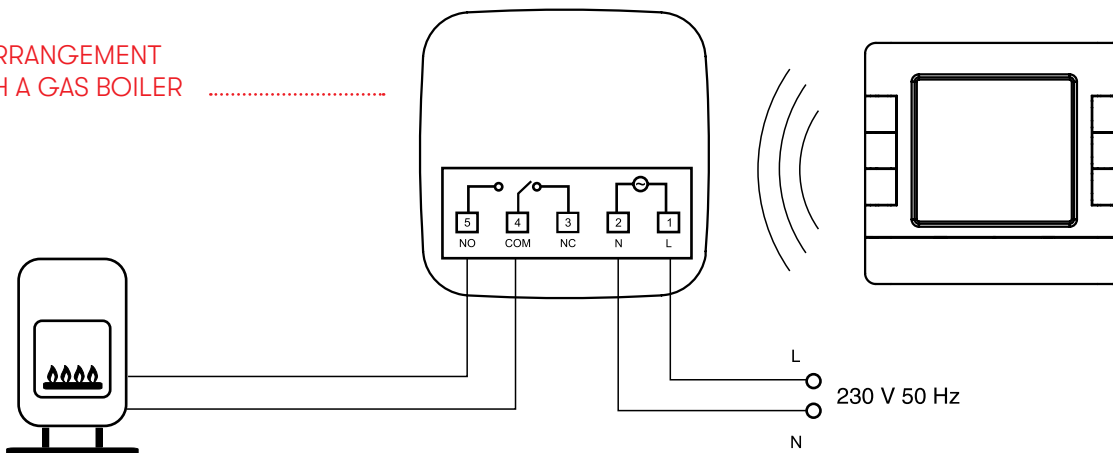
- **Three temperature levels: comfort, economical and reduced**
- **Large, legible, backlit LCD**
- **Information on radio signal strength**
- 0.5-hour accuracy of range programming
- Numerous useful functions: temporary temperature setting, button interlock, constant temperature, vacation mode, discharged batteries indication
- **Possibility to switch the thermostat off after the heating season**
- Temperature readings correction
- **Display contrast control**
- 24-hour clock

Thermostat supply voltage	3 V (2 pieces of alkaline AA batteries)
Receiver supply voltage	230 V 50 Hz
Receiver output	relay, voltage-free type, SPDT
Maximum receiver output load	10 (3) A 230 V 50 Hz
Temperature measurement range	0° C... +50°C
Temperature adjustment range	+5°C...+35°C
Temperature adjustment accuracy	0.2°C
Temperature reading accuracy	0.1°C
Hysteresis range	0.2°C/ 0.4°C / 0.5°C / 0.6°C / 0.8°C / 1°C
Receiver's visual signalization	LEDs
Frequency of operation	868 MHz

EUROSTER®

ciepło na życzenie

IN ARRANGEMENT WITH THE 230 V 50 HZ DEVICE ···

5	4	3	2	1
NO	COM	NC	N	L

PE

L

N

L

230 V 50 Hz

N

max
230 V 50 Hz 10(3) A

IN ARRANGEMENT WITH A GAS BOILER ·····························

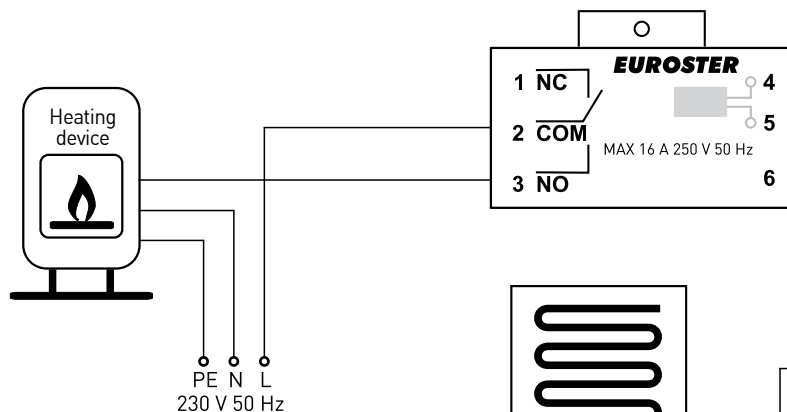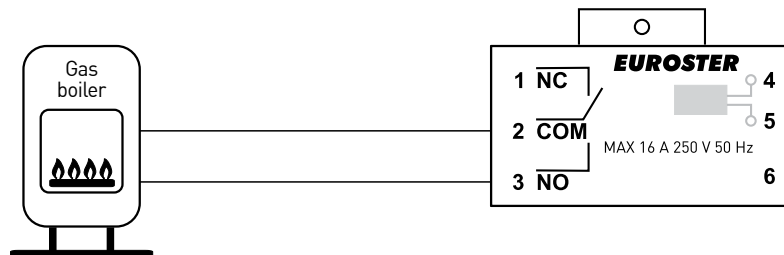| 5	4	3	2	1
NO	COM	NC	N	L

L

230 V 50 Hz

N

e2006

**Wired, weekly room thermostat for all types
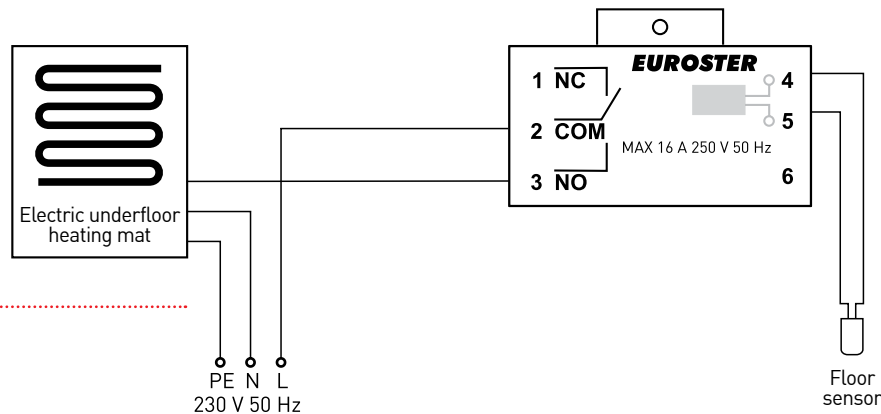of heating and air-conditioning devices.**

- **Two temperature settings: comfort and reduced**
- **Possibility of programming an entire week simultaneously**
- **Programming with the accuracy of 0.5-hour**
- Large, legible, backlit display
- Temporary temperature setting
- **HOLD function – maintains the set temperature regardless of the programmed settings**
- **Protection against uncontrolled operation of the heating device in the case of discharged batteries**
- Anti-freeze protection setting

Supply voltage	3 V – 2 pieces of alkaline AA batteries
Maximum load	16 (3,5 A) 230 V 50 Hz
Thermostat output	relay, voltage-free type, SPDT
Temperature measurement range	0°C...+50°C
Temperature adjustment range	+5 °C...+35 °C / +5 °C...+45 °C
Temperature adjustment accuracy	0.1°C
Temperature reading accuracy	0.1°C
Hysteresis range	0.2°C / 0.4°C / 1°C

EUROSTER®

ciepło na życzenie

IN ARRANGEMENT WITH A GAS BOILER ·················

Gas boiler

EUROSTER

1 NC   4
2 COM   5
MAX 16 A 250 V 50 Hz
3 NO   6

Heating device

EUROSTER

1 NC   4
2 COM   5
MAX 16 A 250 V 50 Hz
3 NO   6

PE N L
230 V 50 Hz

IN A HEATING / AIR-CONDITIONING ·· ARRANGEMENT

Electric underfloor heating mat

EUROSTER

1 NC   4
2 COM   5
MAX 16 A 250 V 50 Hz
3 NO   6

PE N L
230 V 50 Hz

Floor sensor

IN A FLOOR HEATING ARRANGEMENT ·····································

2006 version – the sensor on a 2.5 m-long cable
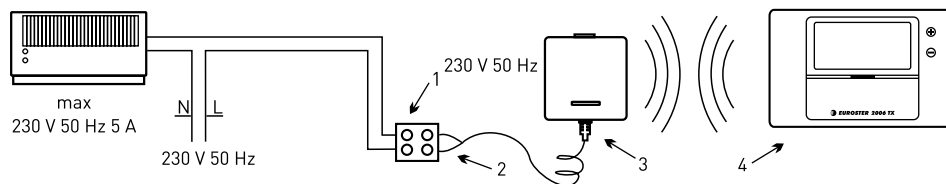
e2006 SERIES

THERMOSTATS

e2006TXRX / e2006TXRXG / e2006TXRXN

**Wireless weekly thermostat for all types
of heating and air conditioning devices**

- **No need to lead cables between the thermostat and the controlled device**
- **Two temperature settings: comfort and reduced**
- **Possibility of programming an entire week simultaneously**
- **Programming with the accuracy of 0.5-hour**
- Large, legible, backlit display
- Temporary temperature setting
- **HOLD function – maintains the set temperature regardless of programmed settings**
- **Heating device continuous operation switch**
- **E2006TXRXG – a receiver equipped with a socket to connect any 230 V powered device**

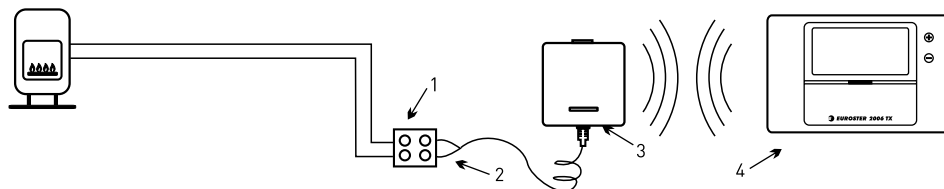|	
Thermostat supply voltage	3 V (2 pieces of alkaline AA batteries)
Receiver supply voltage	230 V 50 Hz
Receiver output	relay, voltage-free type, SPST
Maximum load	5 A 230 V 50 Hz
Maximum range	**Up to 30 m (in built-up area)**
Temperature measurement range	0° C... + 50°C
Temperature adjustment range	+5°C...+35°C
Temperature adjustment accuracy	0.1°C
Temperature reading accuracy	0.1°C
Hysteresis range	0.2°C / 0.4°C / 1°C
Receiver's visual signalization	RGB LEDs
Thermostat mounting method	On a base
Receiver mounting method	230 V 50 Hz socket
Length of the receiver output cable	2 m
Frequency of set operation	868 MHz

IN ARRANGEMENT WITH THE 230 V 50 HZ DEVICE

max
230 V 50 Hz 5 A

N L

230 V 50 Hz

230 V 50 Hz

1

2

3

4
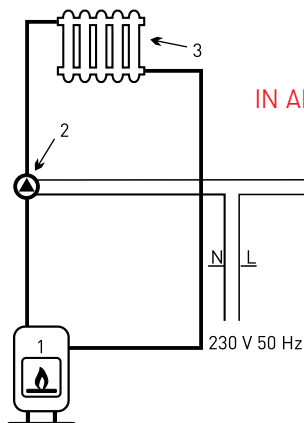
1. Electrical connection block
2. Output cable, using COM - NO contact
   (normally open)
3. Euroster RX (receiver)
4. Euroster TX placed in any room

---

1. Electrical connection block
2. Output cable, using COM - NO contact
   (normally open)
3. Euroster RX (receiver)
4. Euroster TX placed in any room

IN ARRANGEMENT WITH A GAS BOILER

1

2

3

4

IN ARRANGEMENT WITH A CENTRAL HEATING PUMP

3

2

1

N L

230 V 50 Hz

230 V 50 Hz

4

5

6

7

1. CH boiler
2. CH pump
3. Heat consumer – radiator
4. Electrical connection block
5. Euroster RX (receiver)
6. Euroster TX (transmitter)
7. Output cable, using COM - NO contact
   (normally open)
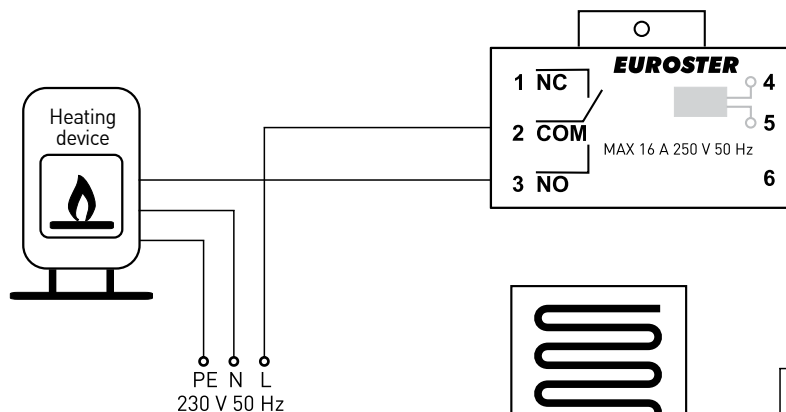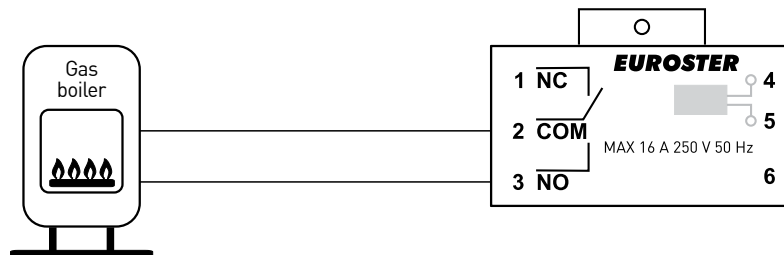
e2026 SERIES

THERMOSTATS

e2026

**Wired, weekly room thermostat for all types
of heating and air-conditioning devices.**

o **4 freely selected temperature levels for each weekday**

o **Intuitive weekly programming with the accuracy of 10 minutes with program
copy function**

o **Vacation mode – setting a given temperature for a selected period, up to 99 days**

o **Interlock – parameter changing possibility locked**

o **Automatic switch between summer and winter**

o Operating time counter of a heating /air-conditioning device

o **Switch-off of the heating after the heating seasonm**

Supply voltage	3 V – 2 pieces of alkaline AA batteries
Maximum load	16 (3,5 A) 230 V 50 Hz
Thermostat output	relay, voltage-free type, SPDT
Temperature measurement range	0°C...+50°C
Temperature adjustment range	+5°C...+45°C
Temperature adjustment accuracy	0.2°C
Temperature reading accuracy	0.1°C
Hysteresis range	0.5°C / 1°C / 2°C / 4°C

EUROSTER®

ciepło na życzenie

IN ARRANGEMENT WITH A GAS BOILER ··················

Gas boiler

EUROSTER

1 NC   4
2 COM   5
3 NO   6

MAX 16 A 250 V 50 Hz

Heating device

EUROSTER

1 NC   4
2 COM   5
3 NO   6

MAX 16 A 250 V 50 Hz

PE N L
230 V 50 Hz

IN A HEATING / COOLING ARRANGEMENT
·······························

Electric underfloor heating mat

EUROSTER

1 NC   4
2 COM   5
3 NO   6

MAX 16 A 250 V 50 Hz

PE N L
230 V 50 Hz

Floor sensor

IN A FLOOR HEATING ARRANGEMENT ·····································

2026 version – the sensor on a 2.5 m-long cable

e2026 SERIES
THERMOSTATS

EUROSTER®
ciepło na życzenie

e2026TXRX / e2026TXRXG

Wireless, weekly thermostat for all types of heating and air conditioning devices
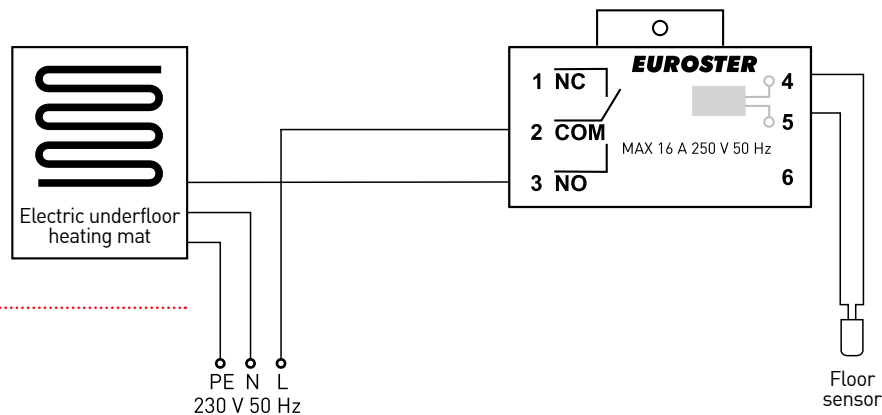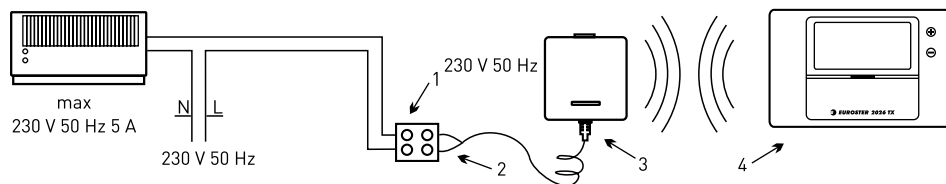
- **4 freely selected temperature levels** for each weekday
- Intuitive weekly programming **with the accuracy of 10 minutes with program copy function**
- Vacation mode – setting a given temperature for a selected period, up to 99 days
- **Interlock** – parameter changing possibility locked
- Automatic switch between summer and winter
- Operating time counter of a heating /air-conditioning device
- Switch-off of the heating after the heating season
- **E2026TXRXG – a receiver equipped with a socket to connect any 230 V powered device**

Thermostat supply voltage	3 V (2 pieces of alkaline AA batteries)
Receiver supply voltage	230 V 50 Hz
Receiver output	relay, voltage-free type, SPST
Maximum receiver output load	5 A 230 V 50 Hz
Maximum range	**Up to 30 m (in built-up area)**
Temperature measurement range	0°C... + 50°C
Temperature adjustment range	+5°C...+45°C
Temperature adjustment accuracy	0.2°C
Temperature reading accuracy	0.1°C
Hysteresis range	0.5°C / 1°C / 2°C / 4°C or PI mode
Receiver's visual signalization	RGB LEDs
Receiver mounting method	230 V 50 Hz socket
Length of the receiver output cable	2 m
Frequency of set operation	868 MHz

IN ARRANGEMENT WITH THE 230 V 50 HZ DEVICE

max
230 V 50 Hz 5 A

N L

230 V 50 Hz

230 V 50 Hz

1
2
3
4

1. Electrical connection block
2. Output cable, using COM - NO contact
   (normally open)
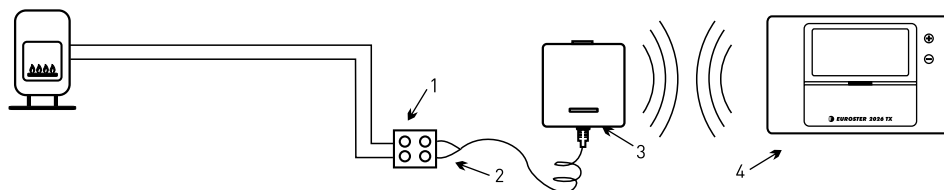3. Euroster RX (receiver)
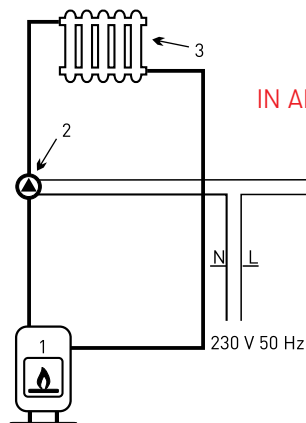4. Euroster TX placed in any room

IN ARRANGEMENT WITH A GAS BOILER

1. Electrical connection block
2. Output cable, using COM - NO contact
   (normally open)
3. Euroster RX (receiver)
4. Euroster TX placed in any room

1
2
3
4

IN ARRANGEMENT WITH A CENTRAL HEATING PUMP

3

2

1

N L

230 V 50 Hz

230 V 50 Hz

5
4
7
6

1. CH boiler
2. CH pump
3. Heat consumer – radiator
4. Electrical connection block
5. Euroster RX (receiver)
6. Euroster TX (transmitter)
7. Output cable, using COM - NO contact
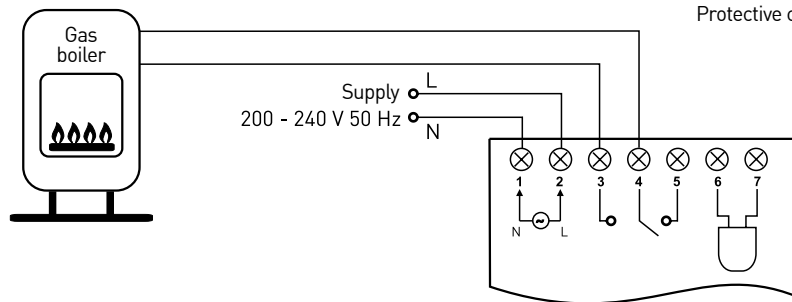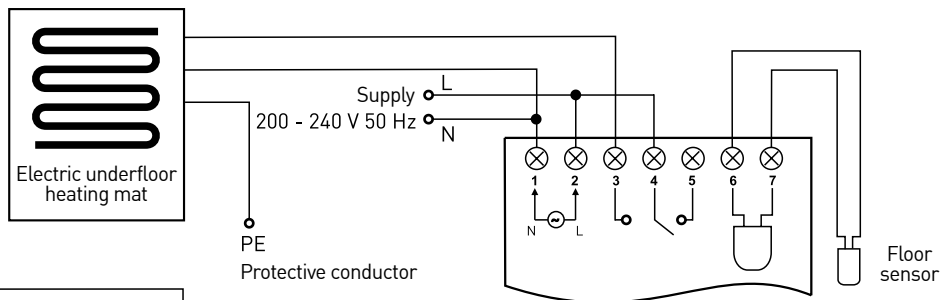   (normally open)

e506

Wired thermostat for all types of heating and air conditioning devices

- **Used mostly for controlling the operation of electric underfloor heating mats, e.g. In bathrooms or other habitable rooms**
- **Sensors 2-a – room and floor temperature sensors**
- **Operation in one of the three following operation modes:**
    - **room temperature control mode**
    - **floor temperature control mode**
    - **room temperature control with floor temperature limitation mode**
- Two temperature levels, changed manually
- Switching the thermostat off after the heating season
- **Flush mounting**

Supply voltage	230 V 50 Hz
Maximum output load	16 (3) A / 230 V 50 H
Thermostat output	relay, voltage-free type, SPDT
Temperature measurement range	-10°C... +50 °C, accuracy 0.5°C
Temperature adjustment range	Room temperature mode +5/ +35°C Floor temperature mode +5/ +45°C
Hysteresis	0.2°C / 0.4°C / 0.6°C / 0.8°C / 1.0°C

EUROSTER®

ciepło na życzenie

IN A FLOOR HEATING ARRANGEMENT ....

Length of the floor temperature sensor – 2,5 m.

Electric underfloor heating mat

Supply
200 - 240 V 50 Hz

L

N

PE
Protective conductor

N ~ L

1 2 3 4 5 6 7

Floor sensor

IN ARRANGEMENT WITH A GAS BOILER

....

Gas boiler

Supply
200 - 240 V 50 Hz

L

N

N ~ L

1 2 3 4 5 6 7

IN A HEATING / COOLING ARRANGEMENT ....

Heating device

Supply
200 - 240 V 50 Hz

L

N

N ~ L

1 2 3 4 5 6 7
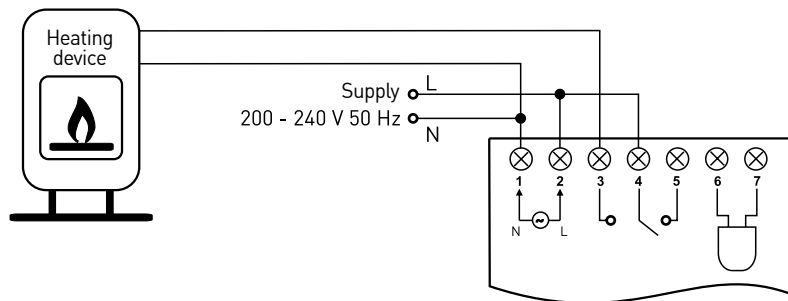
e10PC

e10PCOBUD

e10PC / e10PCOBUD

Designed to control the CH circulating pump and to switch on the heating source (voltage-free contact).

- o Standard use:
    - • **In a system with a heat pump, to control the CH pump downstream the buffer tank**
   - • In a system of floor heating equipped with a **thermostatic mixing valve** to control CH pump
    - • In a heating system requiring the CH pump to be switched on with a switch-on temperature + a signal from a room thermostat and switching on the heating source
- o **It cooperates with Euroster room thermostats.**
- o Alarm temperature setting for the controlled zone (floor heating)
- o Function that protects the system against freezing
- o **Possibility to keep the screen permanently backlit**

Controlled device	CH circulating pump, switching on the heating source
Supply voltage	230 V 50 Hz
Maximum output load	100 W
Relay, voltage type controller output	CH pumps
Temperature measurement range	-30°C...+110°C
CH pump start temperature setting range	+10°C...+80°C
Temperature adjustment accuracy	1°C
Mounting method	Euroster 10PC (6 modules mounted on a DIN rail)

EUROSTER®

ciepło na życzenie

IN CH BOILER SYSTEM

Sample diagram of a control system

1. EUROSTER 11 PC controller
2. Buffer temperature sensor
3. Buffer
4. Boiler / Heat Pump
5. Room thermostat
6. Heating zone
7. Heating zone temperature sensor
8. Pump
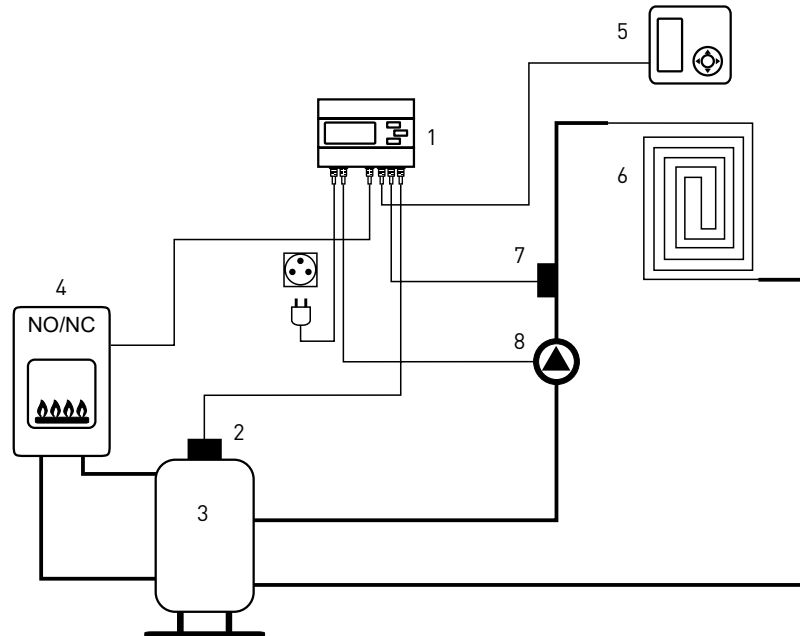
e10M

e10MOBUD

ciepło na życzenie

e10M / e10MOBUD

For controlling the operation of a three-way valve with an actuator, a CH pump and an output that switches on the heating source

○ Standard use:

- **In heating systems, e.g. of floor-heating type: control of a mixing valve, CH pump and switching on the heating source based on the signal from the thermostat**

○ Alarm temperature setting for CH zone

○ The anti-stop function prevents the seizure of idle pump and valve rotor

○ Function that protects the system against freezing

○ Set of sensors included

Controlled device	Mixing valve + CH circulating pump, switching on the heating source
Supply voltage	230 V 50 Hz
Maximum output load	100W (each output)
Relay, voltage type controller output	3-way mixing valve CH pump
Relay, voltage-free type controller output	For switching on the heat pump or other heating device
Temperature measurement range	-30°C...+110°C
Temperature adjustment range – CH zone	+10°C...+80°C
Temperature adjustment accuracy	1°C
Temperature reading accuracy	1°C
Operation temperature	+5°C...+40°C
Mounting method	35mm DIN rail-mounted, installation in the housing
Kit contents	Power cable, temperature sensors (2 pcs), sensor hose clips, screw anchors, user manual with warranty certificate

IN CH BOILER SYSTEM WITH A MIXING VALVE

Sample diagram of a control system

1. EUROSTER 10 M controller
2. Feeding temperature sensor
3. Boiler / Heat Pump
4. Room thermostat
5. Heating zone
6. Heating zone temperature sensor
7. Pump
8. 3-way mixing valve
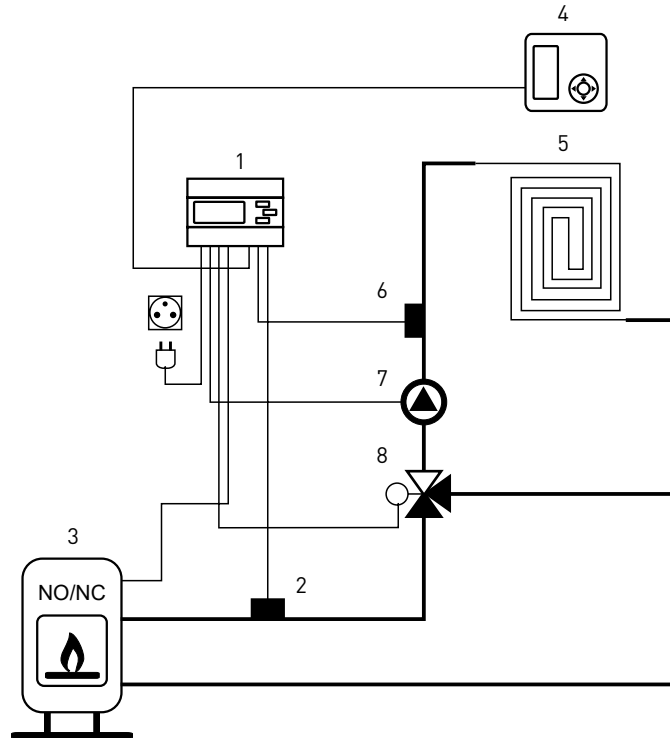
eUNI2 / eUNI2OBUD

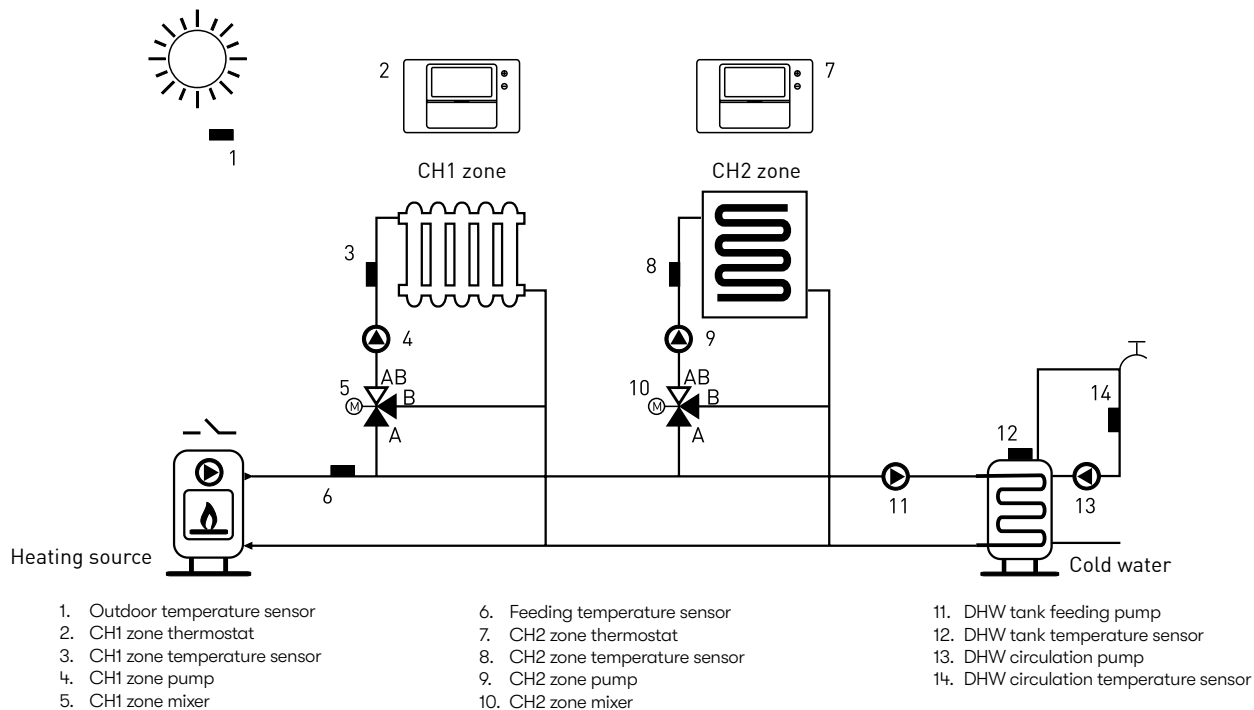**Universal, weather-based heating system controller**

- o **Control of two CH zones** with mixing valves
- o **(e.g. radiator and under floor heating)**
- o **Control of DHW tank feeding pump, enabling priority activation**
- o **Time or temperature-based control of DHW circulation zone**
- o **Independent setting of temperature and weather curve for each CH zone**
- o **Independent control of each CH zone with a thermostat and a schedule**
- o **Manual or automatic switch between summer and winter** – possible setting of starting and ending dates of the heating period
- o **Disinfection of DHW zones**
- o **Output enabling control of a gas boiler or other heating device**
- o **Communication** – possibility to combine several UNI2 and UNI3 controllers to operate extended systems
- o **Set of sensors included**

Supply voltage	230 V 50 Hz
Maximum output load	100 W (each output)
Relay, voltage type controller output	For pumps, valve actuators and alarms
Relay, voltage-free type controller output	Designed to control the boiler or other heating device
Temperature measurement range	–30°C...+120°C
Temperature adjustment range – CH zones	+15°C...+90°C
Temperature adjustment range – DHW tank feeding zone	+40°C...+75°C
Temperature adjustment range – DHW circulation	+20°C...+50°C
Temperature adjustment accuracy	1°C
Temperature reading accuracy	1°C
Mounting method	35mm DIN rail-mounted, **(or installation in the housing)**

EUROSTER®

ciepło na życzenie

SYSTEM LAYOUT

UNI2 controller controls the system consisting of:

o Two CH zones with mixing valves (e.g. radiators and underfloor heating)

o One DHW zone

o One DHW circulation zone

1. Outdoor temperature sensor	6. Feeding temperature sensor	11. DHW tank feeding pump
2. CH1 zone thermostat	7. CH2 zone thermostat	12. DHW tank temperature sensor
3. CH1 zone temperature sensor	8. CH2 zone temperature sensor	13. DHW circulation pump
4. CH1 zone pump	9. CH2 zone pump	14. DHW circulation temperature sensor
5. CH1 zone mixer	10. CH2 zone mixer	

eUNI3 / eUNI3OBUD

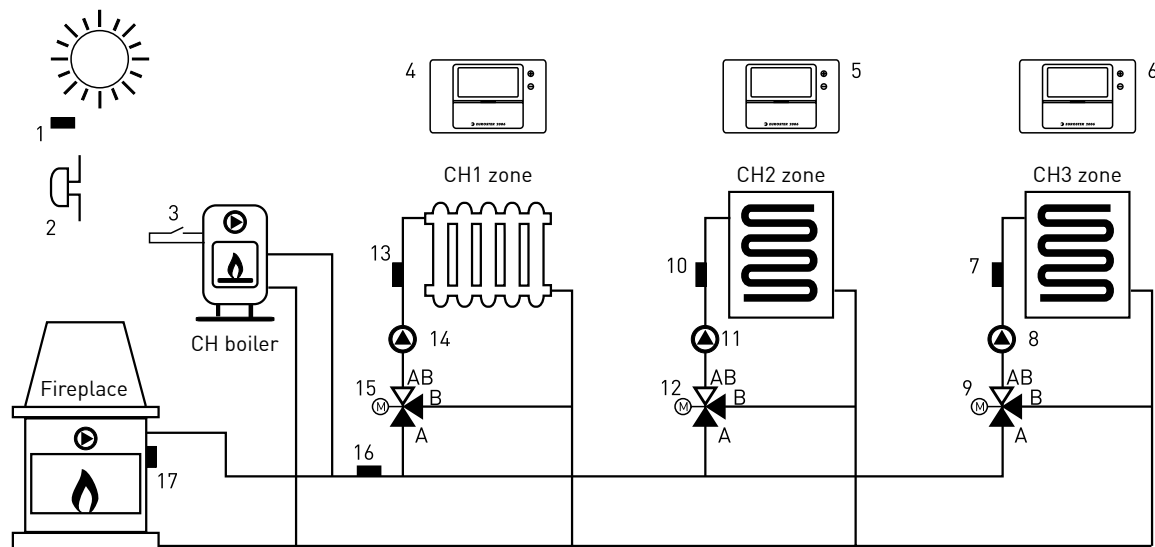**Weather-based heating system controller**

- **Control of three central heating zones with mixing valves** **(e.g. radiator and underfloor heating systems)**
- **Independent setting of temperature and weather curve for each zone**
- Independent control of each zone with room thermostat and weekly schedule
- **Controls both: the main heating source having its own controller, e.g. gas-fired boiler and an additional – manually operated one, e.g. solid fuel boiler, fireplace**
- Manual or automatic **switch between summer and winter** – possible setting of starting and ending dates of the heating period
- **Output for the boiler or additional heating device control**
- **Communication – possibility to combine several UNI3 and UNI2 controllers to operate extended systems**
- **Possibility to turn off the mixer control or turn off the zone completely**
- Controller operating interface in: Polish, English, German, Czech, Russian and Hungarian
- **Set of sensors included**

Supply voltage	230 V 50 Hz
Maximum output load	100 W (each output)
Relay, voltage type controller output	For pumps, valve actuators and alarms
Relay, voltage-free type controller output	Designed to control the boiler or other heating device
Temperature measurement range	-30°C...+110°C
Temperature adjustment range	+15°C...+90°C
Temperature adjustment accuracy	1°C
Mounting method	35mm DIN rail-mounted, inside electrical cabinets **(or in the housing)**

EUROSTER®

ciepło na życzenie

SYSTEM LAYOUT

UNI3 is a universal controller designed to control the heating system equipped with:

- three central heating zones with mixing valves (e.g. radiator and underfloor heating systems)
- main heating source – with its own controller, e.g. gas-fired boiler
- additional heating source – operated manually, e.g. solid fuel boiler, fireplace

1. Outdoor temperature sensor
2. Alarm indicator
3. Main boiler switch
4. Zone 1 room thermostat
5. Zone 2 room thermostat
6. Zone 3 room thermostat
7. Zone 3 temperature sensor

8. Zone 3 pump
9. Zone 3 mixer
10. Zone 2 temperature sensor
11. Zone 2 pump
12. Zone 2 mixer
13. Zone 1 temperature sensor

14. Zone 1 pump
15. Zone 1 mixer
16. Supply temperature sensor for the zones
17. Temperature sensor of an additional heating source

eUNI4 / eUNI4OBUD

Weather-based heating system controller

- **Control of two central heating zones with mixing valves (e.g. radiator and floor heating systems)**
- **Control of DHW tank feeding pump enabling priority activation**
- Time-based control of DHW circulation zone
- **Cooperation with the second heating source**
- **Cooperation with the heat buffer**
- **Possibility to control the heat source with operating schedule**
- **Control of heating or cooling with the possibility to change-over between heating and cooling**
- **Automatic switching on and off of the heating according to the outdoor temperature**
- **Control of mixer actuators based on PI algorithm**
- **Possibility to switch off the CH zone mixer control**
- **Output enabling control of a gas boiler or other heating device**
- **Input to switch over between heating and cooling**
- **Set of sensors included**

Supply voltage	230 V 50 Hz
Maximum output load	100W (each output)
Relay, voltage type controller output	For pumps, valve actuators and alarms
Relay, voltage-free type controller output	Designed to control the boiler or other heating device
Temperature measurement range	-30°C...+120°C
Temperature adjustment range	CH zone +10°C... +90°C DHW zone +40°C... +75°C
Temperature adjustment accuracy	1°C
Mounting method	35mm DIN rail-mounted, inside electrical cabinets **(or in the housing)**

EUROSTER®

ciepło na życzenie
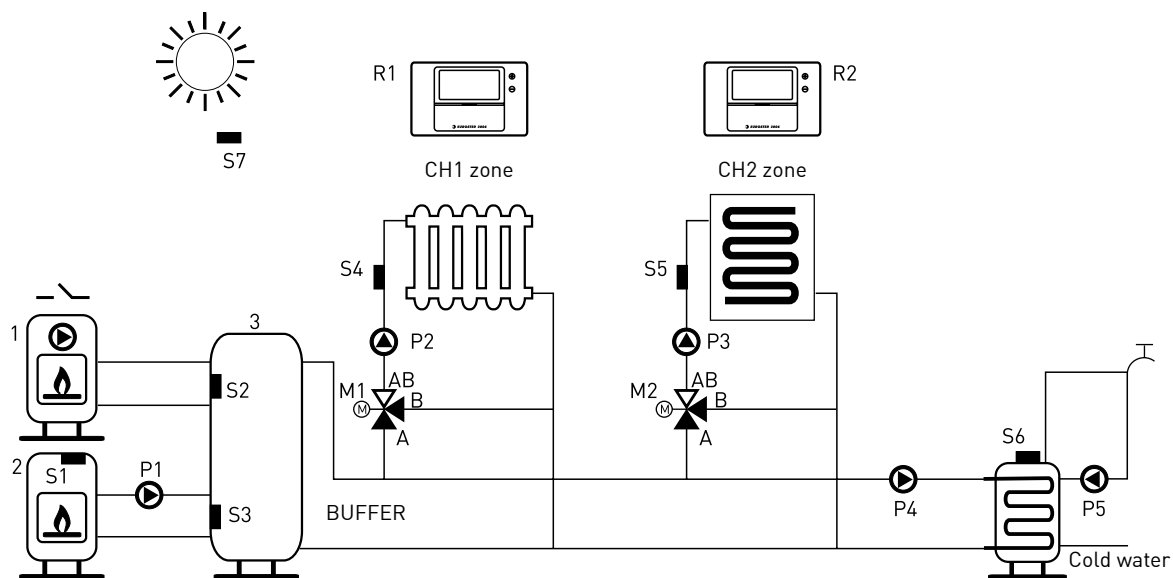
S1   Heating source no. 2 temperature sensor
S2. Buffer upper sensor (feeding sensor no.1)
S3. Buffer bottom sensor (feeding sensor no.2)
S4. CH1 zone temperature sensor
S5. CH2 zone temperature sensor
S6. DHW tank temperature sensor
S7. Outdoor temperature sensor

P1   Buffer feeding pump
P2   CH1 zone pump
P3   CH2 zone pump
P4   DHW tank feeding pump
P5   DHW circulating pump

CH1 zone M1 mixing valve
CH2 zone M2 mixing valve

1.   Heating source No. 1
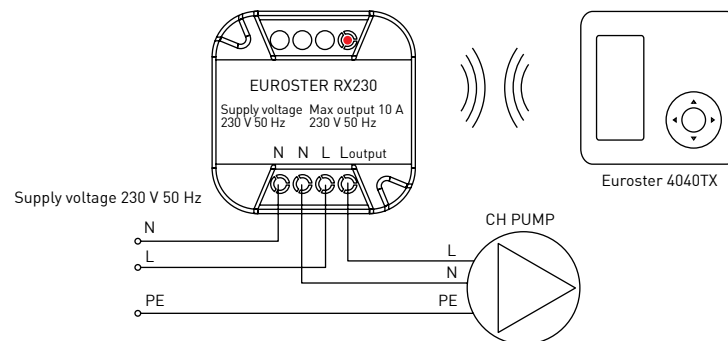2.   Heating source No. 2
3.   Buffer tank

RX230V

Wireless flush-mounted receiver with 230 V output.
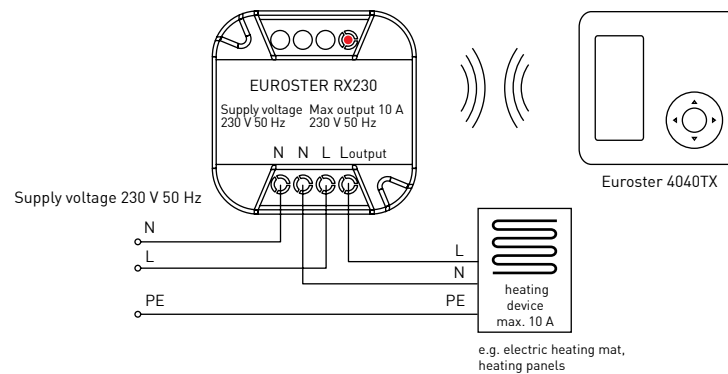**Designed to cooperate with E4040TX, E404Smart, E4020TX, E4010TX thermostats.**

o   Cooperation with Euroster thermostats, operating frequency of **868 Mhz**
o   Bidirectional communication ensures high operational reliability and resistance to interference
o   **Possible operation of maximum six receivers with one E40 series thermostat**
o   Device overheating protection

Controlled device	CH pumps, electric radiators, valves, heating mats
Receiver supply voltage	230 V 50 Hz
Maximum load	**10 A 230 V 50 Hz**
Exit	**230 V relay output**
Frequency of operation	868 Mhz
Maximum power of transmission	<25 Mw
Ingress protection rating	IP 20
Receiver mounting method	230 V 50 Hz flush-mount back box
Receiver dimensions: width / height / depth (mm)	44 / 44 / 25
Kit contents	RX230 receiver, user manual with warranty certificate

EUROSTER®
ciepło na życzenie

IN A SYSTEM WITH CH PUMP WITH 230 V OUTPUT

EUROSTER RX230

Supply voltage
230 V 50 Hz

Max output 10 A
230 V 50 Hz

N   N   L   L output

Supply voltage 230 V 50 Hz

N

L

PE

CH PUMP

L

N

PE

Euroster 4040TX

IN A HEATING SYSTEM WITH 230 V OUTPUT

EUROSTER RX230

Supply voltage
230 V 50 Hz

Max output 10 A
230 V 50 Hz

N   N   L   L output

Supply voltage 230 V 50 Hz

N

L

PE

L

N

PE

heating
device
max. 10 A

e.g. electric heating mat,
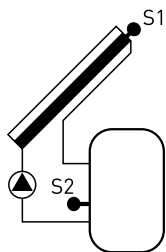heating panels

Euroster 4040TX
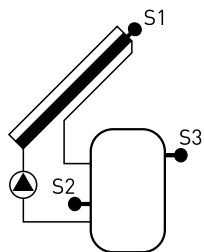
e813

Solar system controller.

- o **Controls the temperature of: the solar collector and maximum two tanks**
- o **Operates in one of the four system arrangements**
- o Presents the system layout on a backlit LCD
- o **Controls the additional heating source in the selected periods**
- o Device overheating and frost protection
- o **Tank disinfection function (Anti-legionella)**
- o Mounting in a wall mount cabinet, on a DIN rail or directly on a wall

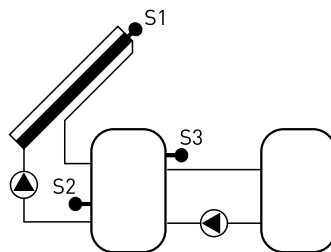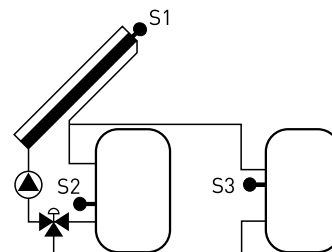|	
Supply voltage	230 V 50 Hz
Maximum A output load	7 A 230 V 50 Hz
Maximum B output load	16 A 230 V 50 Hz
Thermostat outputs	Relay, voltage-type (230 V 50 Hz)
Temperature measurement range – collector sensor	-40°C...+250°C
Temperature measurement range – tank sensors	-10°C...+110°C
Tank temperature adjustment range	+10°C...+100°C
Temperature adjustment accuracy	1°C
Temperature reading accuracy	1°C
Hysteresis range	1°C – 20°C

EUROSTER®

ciepło na życzenie

OPERATION MODES

Mode no.1   Mode no.2   Mode no.3   Mode no.4

Switchover valve

DESCRIPTION OF OUTPUTS

Collector S1 temperature sensor

S2 Tank temperature sensor

S3 Tank temperature sensor

Actual Temp. S1   147 °C   12 02

Reset

Supply 230 V 50 Hz

L
N
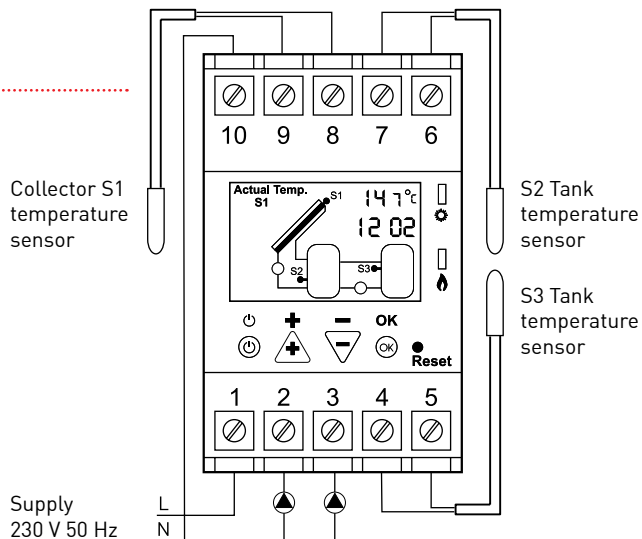
e12

Designed to control the operation of maximum three devices in the heating system.

- **Configurable, independently operating 3 control (relay) outputs**
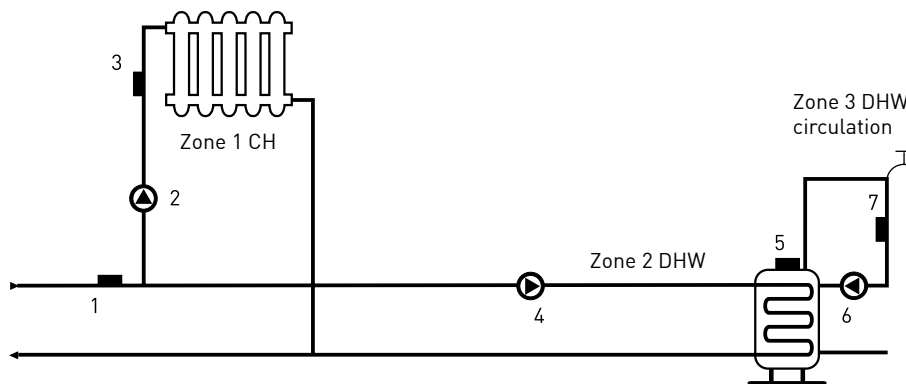- Possibility do set each output to operate with:
  - **central heating circulation pump**
  - **domestic hot water tank feeding pump**
  - **domestic hot water zone circulation pump**
  - **underfloor heating pump**
  - **blower (no speed adjustment)**
  - **any device (thermostat mode, time-based operation mode)**
- Flexible arrangement enables adaptation of the controller to the needs of the majority of systems
- **Configurable DHW priority**
- **Weekly operating schedules independent for each output**
- **SUMMER/WINTER operation mode**

|	
Supply voltage	230 V 50 Hz
Maximum load of each of the outputs	1 A 230 V 50 Hz
Temperature measurement range	0°C...+100°C
Temperature adjustment range – CH mode	+10°C...+90°C
Temperature adjustment range – DHW mode	+30°C...+95°C
Temperature adjustment range – DHW circulation mode	+20°C...+70°C
Temperature adjustment range – floor heating mode	+20°C...+60°C
Temperature adjustment range – blower mode	+15°C...+85°C
Temperature adjustment range – thermostat mode	0°C...+99°C
Hysteresis range	2°C...10°C

EUROSTER®

ciepło na życzenie

MOUNTING TEMPLATE

An example of a CH zone controlling pump, DHW tank feeding pump, and DHW circulation pump control systems.

1. Feeding temperature sensor
2. Central control zone pump
3. Central control zone temperature sensor
4. Domestic hot water tank feeding pump
5. Tank temperature sensor
6. Domestic hot water circulation pump
7. Domestic hot water circulation temperature sensor

Zone 1 CH

Zone 2 DHW

Zone 3 DHW circulation

MOUNTING TEMPLATE

Zone 1 CH

Zone 2 Underfloor heating

Zone 3 DHW
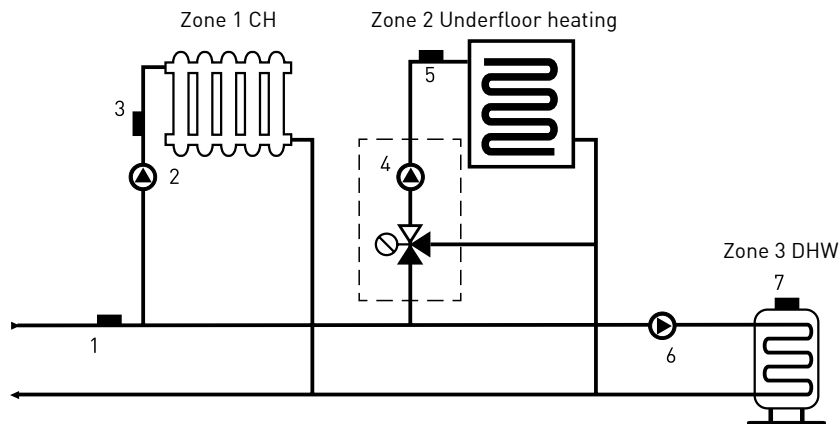
An example of a CH zone pump, underfloor heating zone pump **(thermostatic mixer)**, and DHW tank feeding pump control systems.

1. Feeding temperature sensor
2. CH zone pump
3. CH zone temperature sensor
4. Underfloor heating pump
5. Floor heating zone temperature sensor
6. DHW tank feeding pump
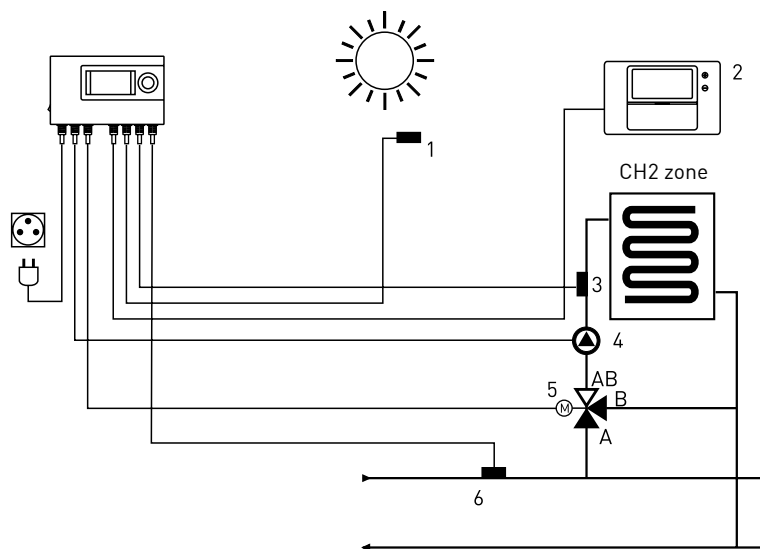7. DHW tank temperature sensor

e12M

Designed to control the temperature of heating zone with a 3 or 4-way valve.

- **Control of a 3-point actuator of a mixing valve**
- **Control of CH zone pump**
- **Weather-based setting of a heating zone preset temperature**
- **Hourly schedule of heating zone operation**
- **Cooperation with a room thermostat**
- Heating being automatically switched off and on according to the outdoor temperature
- Function of temporary switch-on of a zone with a preset temperature (floor preheating, fast heating up of rooms)
- Possibility to switch on outputs manually
- Anti-Stop system – protection of pumps against seizure
- **Set of temperature sensors included**

Supply voltage	230 V 50 Hz
Maximum output load	1 A 230 V 50 Hz
Temperature measurement range	0°C...+100°C
Temperature adjustment range	+10°C...+90°C
Temperature adjustment accuracy	1°C
Temperature reading accuracy	1°C
Hysteresis range	2°C – 10°C

EUROSTER®

ciepło na życzenie

Sample diagram of a control system

CH2 zone

1. Outdoor temperature sensor
2. Room thermostat
3. Heating zone temperature sensor
4. CH zone pump
5. Mixing valve with actuator
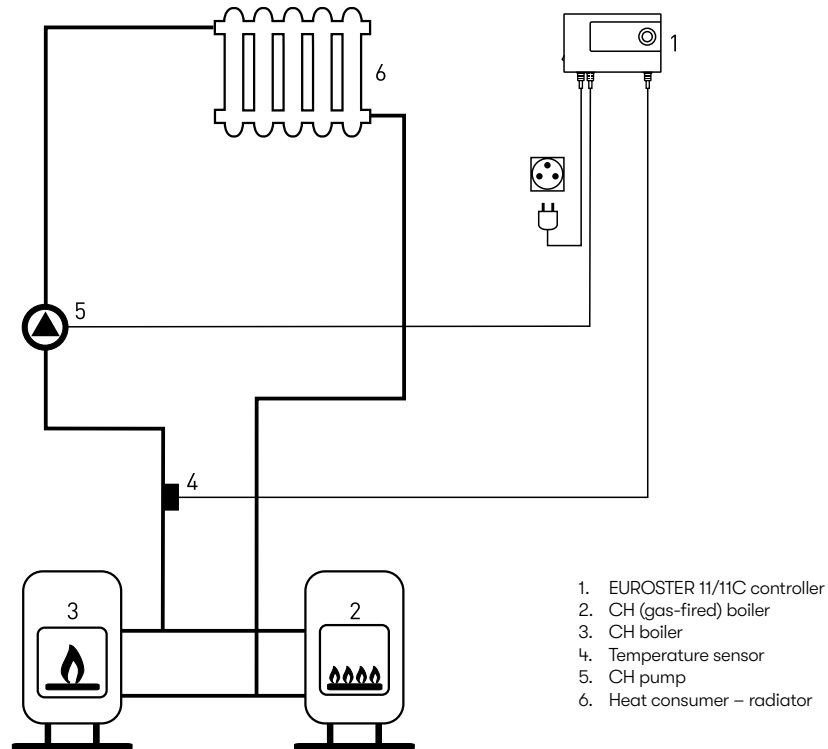6. Feeding temperature sensor

e11 / e11c

Designed to control the CH pump in the heating systems.

- Automatically switches the CH pump on and off according to the preset temperature
- Prevents boiler condensation (sweating)
- Boiler continuous operation switch
- **E11C** is equipped with Anti-stop function to prevent the seizure of idle pump

Supply voltage	230 V 50 Hz
Maximum output load	3 A 230 V 50 Hz
Temperature measurement range	+5°C...+90°C
Temperature adjustment range	+5°C...+90°C
Temperature adjustment accuracy	5°C
Hysteresis range	5°C
Kit contents	Euroster 11/E11C controller, screw anchors, user manual, mounting template, sensor hose clips

EUROSTER®

ciepło na życzenie

WITH THE CH PUMP IN ARRANGEMENT WITH TWO BOILERS: COAL-FIRED AND GAS-FIRED

Sample diagram of a control system

1. EUROSTER 11/11C controller
2. CH (gas-fired) boiler
3. CH boiler
4. Temperature sensor
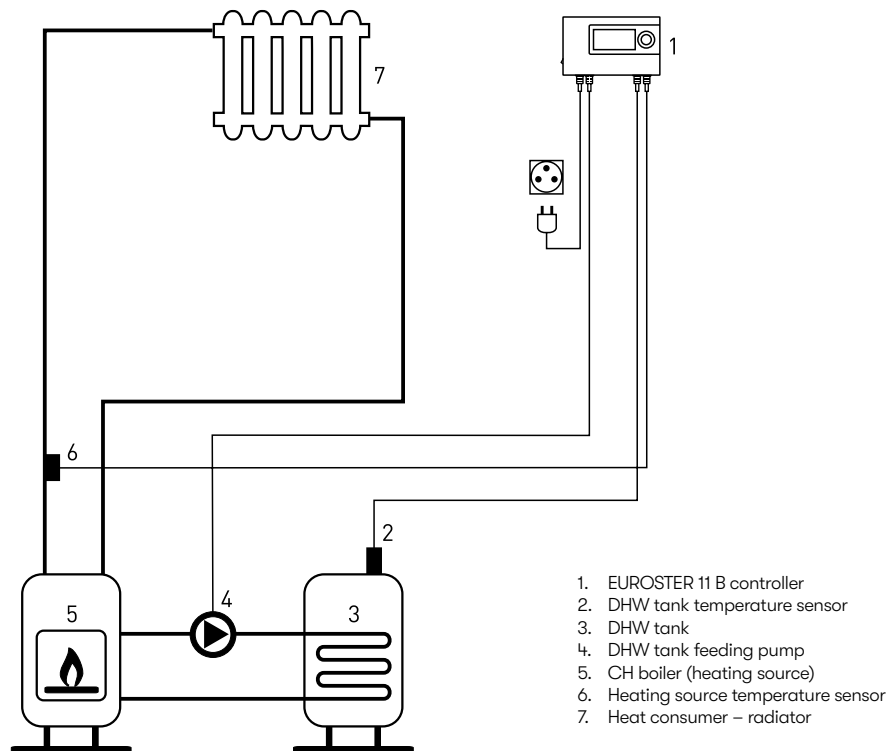5. CH pump
6. Heat consumer – radiator

e11B

Designed for a CH boiler system with the DHW tank. It controls the operation of the DHW pump.

- ○ Maintains constant water temperature in the tank
- ○ **Features tank protection against cooling down**
- ○ Features anti-stop function prevents the seizure of idle pump rotor
- ○ Tank overheating protection
- ○ Comfortable presetting with a knob
- ○ **Possibility to keep the screen permanently backlit**

Supply voltage	230 V 50 Hz
Maximum load of each of the outputs	3 A 230 V 50 Hz
Temperature measurement range	0°C...+120°C
Temperature adjustment range	+10°C...+70°C
Temperature adjustment accuracy	1°C
Hysteresis range	2°C...10°C
Kit contents	Euroster 11B controller, screw anchors, user manual, mounting template, sensor hose clips

EUROSTER®

ciepło na życzenie

IN CH BOILER SYSTEM WITH THE DHW TANK

Sample diagram of a control system

1. EUROSTER 11 B controller
2. DHW tank temperature sensor
3. DHW tank
4. DHW tank feeding pump
5. CH boiler (heating source)
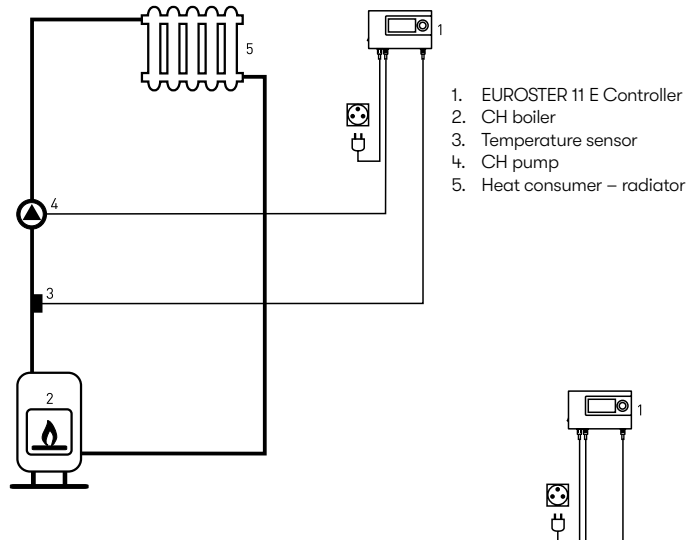6. Heating source temperature sensor
7. Heat consumer – radiator

e11E

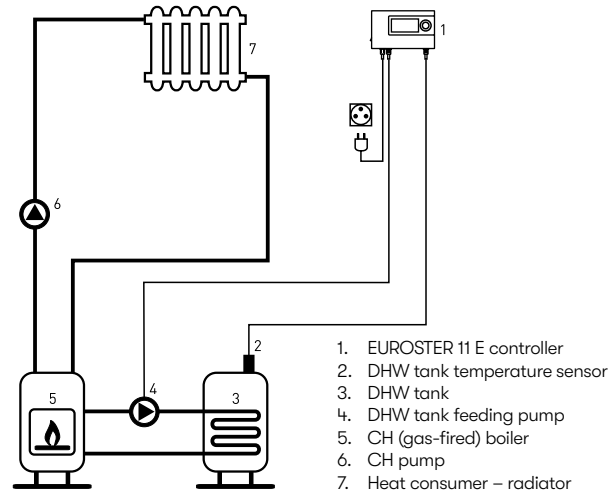**Designed to control the DHW pump or CH circulating pump the individual heating systems.**

- o **In the CH mode the controller prevents boiler condensation (sweating)**
- o **In the DHW mode the controller maintains constant temperature of water in the tank of DHW system**
- o The anti-stop function prevents the seizure of idle pump rotor
- o Function that protects the system against freezing
- o Comfortable presetting with a knob
- o **Possibility to keep the screen permanently backlit**

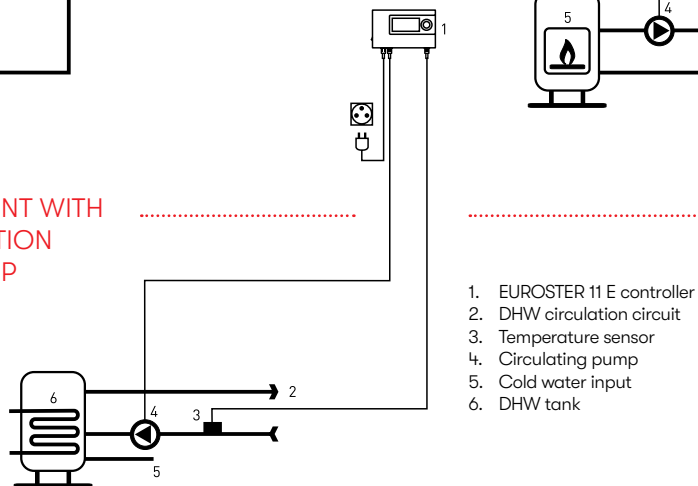|	
Supply voltage	230 V 50 Hz
Maximum output load	3 A 230 V 50 Hz
Temperature measurement range	0°C...+120°C
Temperature adjustment range	+10°C...+80°C
Temperature adjustment accuracy	1°C
Hysteresis range	2°C – 10°C
Kit contents	Euroster 11E controller, screw anchors, user manual, mounting template, sensor hose clip

EUROSTER®

ciepło na życzenie

IN ARRANGEMENT WITH A CENTRAL HEATING PUMP

1. EUROSTER 11 E Controller
2. CH boiler
3. Temperature sensor
4. CH pump
5. Heat consumer – radiator

IN ARRANGEMENT WITH DHW PUMP

1. EUROSTER 11 E controller
2. DHW tank temperature sensor
3. DHW tank
4. DHW tank feeding pump
5. CH (gas-fired) boiler
6. CH pump
7. Heat consumer – radiator

IN ARRANGEMENT WITH DHW CIRCULATION CONTROL PUMP (THIRD TUBE)

1. EUROSTER 11 E controller
2. DHW circulation circuit
3. Temperature sensor
4. Circulating pump
5. Cold water input
6. DHW tank

e11PC

Designed to control the CH circulating pump and to switch on the heating source (voltage-free contact).

- o Standard use:
  - • **In a system with a heat pump, to control the CH pump downstream the buffer tank**
  - • In a system of floor heating equipped with a **thermostatic mixing valve** to control CH pump
  - • In a heating system requiring the CH pump to be switched on with a switch-on temperature + a signal from a room thermostat and switching on the heating source
- o **It cooperates with Euroster room thermostats.**
- o Alarm temperature setting for the controlled zone (floor heating)
- o Function that protects the system against freezing
- o Comfortable presetting with a knob
- o **Possibility to keep the screen permanently backlit**

Controlled device	CH circulating pump, switching on the heating source
Supply voltage	230 V 50 Hz
Maximum output load	100 W
Relay, voltage type controller output	CH pumps
Temperature measurement range	-30°C...+110°C
CH pump start temperature setting range	+10°C...+80°C
Temperature adjustment accuracy	1°C
Mounting method	Euroster 11PC (wall-mounted device)

EUROSTER®

ciepło na życzenie

IN CH BOILER SYSTEM

Sample diagram of a control system

1. EUROSTER 11 PC controller
2. Buffer temperature sensor
3. Buffer
4. Boiler / Heat Pump
5. Room thermostat
6. Heating zone
7. Heating zone temperature sensor
8. Pump
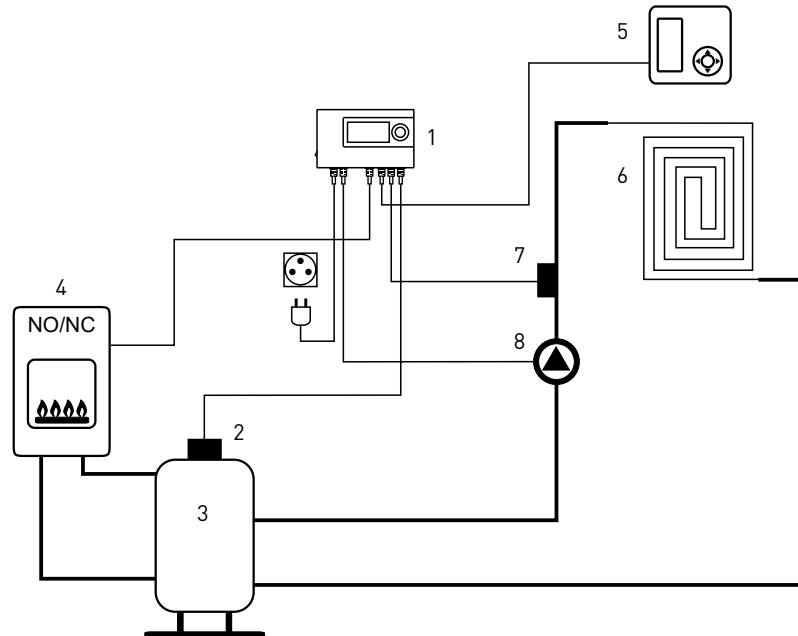
e11 SERIES
CONTROLLERS

e11KPRZ set:
e11K + AirMatic air-flow
control damper Ø 100 mm

AirMatic 100 mm
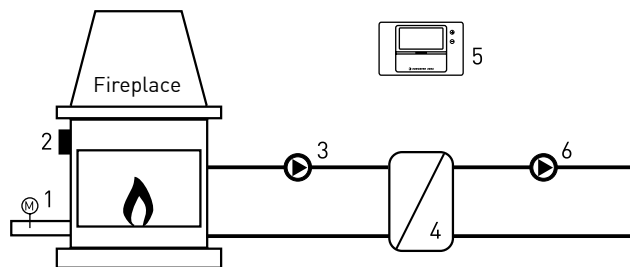Air-flow control damper

e11K (flush-mounted device)

Controller designed to control a hydronic heating fireplace system with DHW feeding function.

- o   Supports of the three selectable heating systems
- o   **Cooperates with an electric air-flow control damper**
- o   **Controls an additional heating source**
- o   **Cooperates with Euroster room thermostat**
- o   **DHW priority function**
- o   Flush mounting

Supply voltage	230 V 50 Hz
Maximum output load	3 A (in total) 230 V 50 Hz
Maximum power consumption	4.3 W
Thermostat outputs – Relay voltage type	Pumps, damper
Thermostat outputs – Relay voltage-free type	Additional heating source
Temperature measurement range	0°C...+99°C
Temperature adjustment range	+20°C...+85°C
Temperature adjustment accuracy	1°C
Temperature reading accuracy	1°C
Hysteresis range	1°C...10°C
Mounting method	4M flush-mount back box

EUROSTER®

ciepło na życzenie
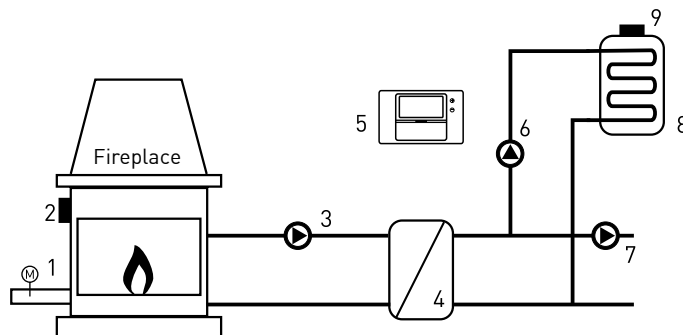
CH SYSTEM FED WITH PLATE HEAT EXCHANGER

1. Air-flow control damper
2. Fireplace temperature sensor
3. Heat exchanger pump
4. Heat exchanger
5. Room thermostat
6. CH zone pump

CH SYSTEM FED WITH PLATE HEAT BUFFER
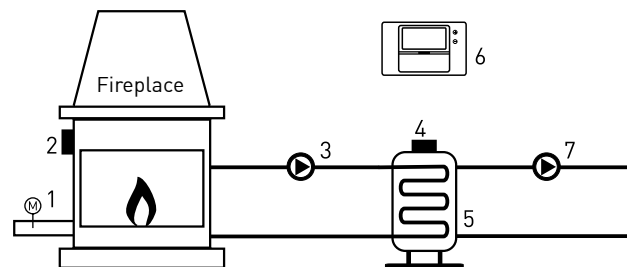
1. Air-flow control damper
2. Fireplace temperature sensor
3. Buffer pump
4. Buffer temperature sensor
5. Buffer
6. Room thermostat
7. CH zone pump

FEEDING DHW TANK AND CH ZONE WITH PLATE HEAT EXCHANGER

1. Air-flow control damper
2. Fireplace temperature sensor
3. Heat exchanger pump
4. Heat exchanger
5. Room thermostat
6. DHW tank feeding pump
7. CH zone pump
8. DHW tank
9. DHW tank temperature sensor

The controller cooperates with air-flow control damper of open/close type, with an actuator adjusted to 230 V 50 Hz network operation.
Air-flow control damper should automatically close after being connected to power.

e11M

Designed to control a three-way valve with an actuator and a CH pump.

- Maintains the CH zone temperature at a preset level or ensures adequate return water temperature
- **Controls the heating source temperature**
- **Cooperates with a room thermostat**
- **Features alarm temperature setting for the controlled zone (floor heating)**
- Operation test of the pump and of the blower
- **Possibility to keep the screen permanently backlit**

Supply voltage	230 V 50 Hz
Maximum output load	3 A 230 V 50 Hz
Temperature measurement range	0°C...+110°C
Temperature adjustment range	+20°C...+70°C
Temperature adjustment range – zone temperature adjustment mode	+10°C...+70°C
Temperature adjustment accuracy	1°C
Hysteresis range	2°C – 10°C

EUROSTER®

ciepło na życzenie

IN RETURN TEMPERATURE STABILIZATION SYSTEM
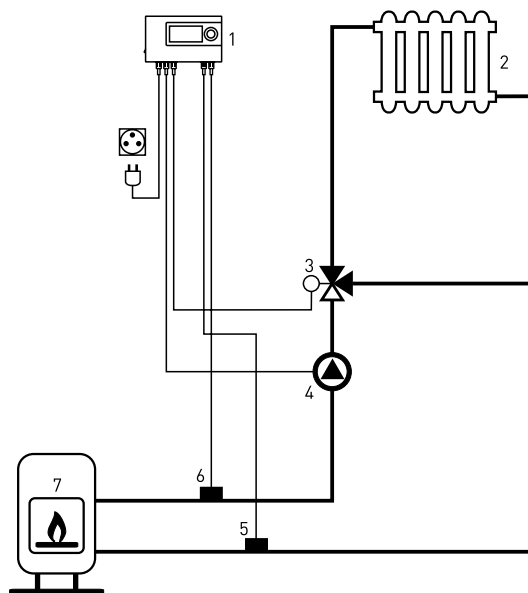
1. EUROSTER 11 M controller
2. Heat consumer – radiator
3. Mixing valve with actuator
4. CH pump
5. Return temperature sensor
6. Heating source temperature sensor
7. CH boiler

IN HEATING MEDIUM TEMPERATURE ADJUSTMENT SYSTEM (IN FLOOR HEATING)
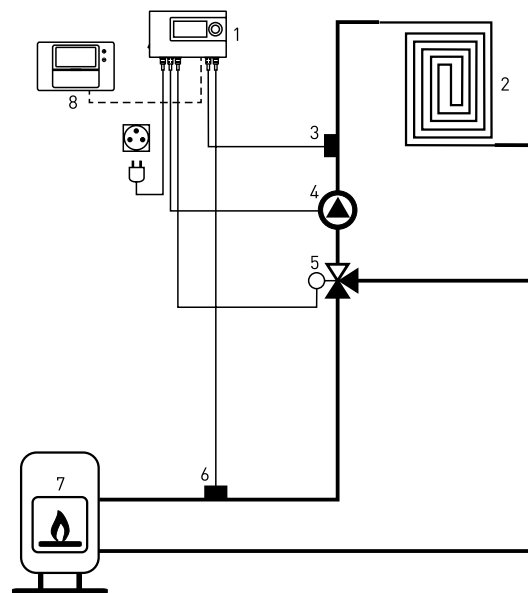
1. EUROSTER 11 M controller
2. Heat consumer – CH zone, underfloor heating
3. CH zone temperature sensor
4. CH pump
5. Mixing valve with actuator
6. Heating source temperature sensor
7. CH boiler
8. Room thermostat
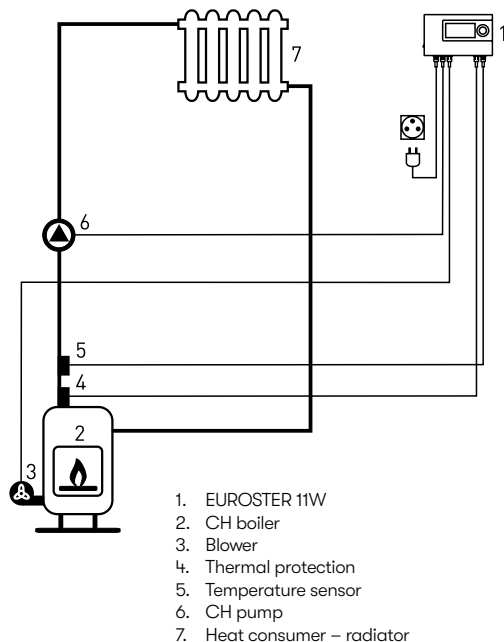
e11 SERIES
CONTROLLERS

e11W / e11WWENT (with a fan)

Designed to control solid-fuel boiler with a blower and CH pump.

- o Ensures optimum operation of the boiler
- o Prevents boiler condensation (sweating)
- o **Ensures smooth adjustment of the blower rotational speed**
- o Prevent boiler overheating – thermal protection
- o The anti-stop function prevents the seizure of idle pump rotor
- o Operational tests of the pump and of the blower
- o **Possibility to keep the screen permanently backlit**

Supply voltage	230 V 50 Hz
Maximum pump output load	2 A 230 V 50 Hz
Maximum blower output load	0.5 A 230 V 50 Hz
Temperature measurement range	0°C...+110°C
CH temperature adjustment range	+20°C...+80°C
Boiler temperature adjustment range	+40°C...+80°C
Temperature adjustment accuracy	1°C
Hysteresis range	2°C – 10°C

EUROSTER®

ciepło na życzenie

IN A BOILER WITH A BLOWER AND CH PUMP SYSTEM ....

1. EUROSTER 11W
2. CH boiler
3. Blower
4. Thermal protection
5. Temperature sensor
6. CH pump
7. Heat consumer – radiator

Kit contents:
Euroster 11W controller, RV-14RK or RV-14PR fan with 0.8 m-long cable, fan gasket

BLOWING SET FOR CH BOILERS ....
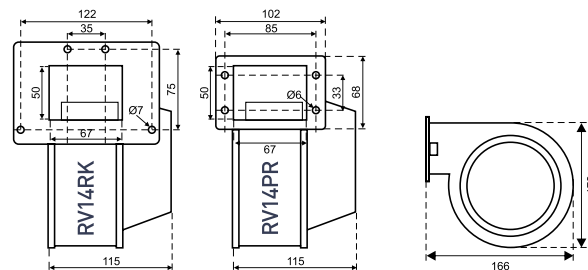
Type of motor	shaded-pole induction motor
Rated voltage	230 V 50 Hz
Consumption power	60 W
Rated current	0.4 A
Max. capacity	200 m³/h
Operating position	any
Ingress protection rating	IP20
Basic insulation	H Class
Sound power level	62dB(A)
Weight	RV14RK - 2 kg RV14PR - 1,84 kg

e11WB / e11WBWENT (with a fan)

Designed to control solid fuel-fired boiler with a blower, CH pump and DHW tank feeding pump

- o   Ensures optimum operation and prevents boiler condensation (sweating)
- o   **Ensures smooth adjustment of the blower rotational speed**
- o   **Maintains constant temperature of water in the tank**
- o   **Features possibility to activate DHW priority function**
- o   Function that protects the tank against cooling down, function that protects the system against freezing
- o   Anti-stop function that prevents seizure of idle pump rotor
- o   **Possibility to keep the screen permanently backlit**

|	
Supply voltage	230 V 50 Hz
Maximum pump output load	2 A 230 V 50 Hz
Maximum blower output load	0.5 A 230 V 50 Hz
Temperature measurement range	0°C...+110°C
CH temperature adjustment range	+20°C...+80°C
DHW temperature adjustment range	+20°C...+70°C
Boiler temperature adjustment range	+40°C...+80°C
Temperature adjustment accuracy	1°C
Hysteresis range	2°C – 10°C

EUROSTER®

ciepło na życzenie

IN SYSTEM OF A BOILER WITH A BLOWER AND CH AND DHW PUMPS ....
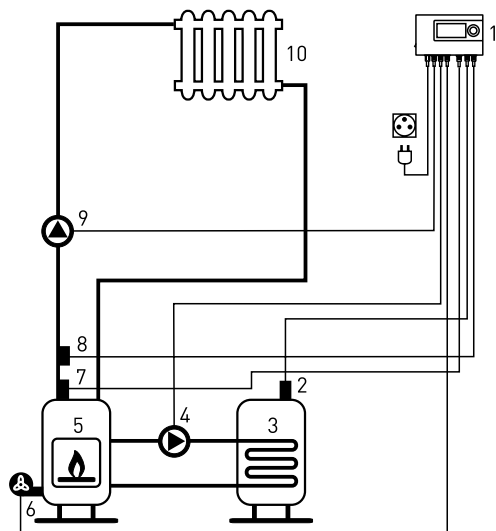
1. EUROSTER 11WB controller
2. DHW tank temperature sensor
3. DHW tank
4. DHW tank feeding pump
5. CH boiler
6. Blower
7. Thermal protection
8. Temperature sensor
9. CH pump
10. Heat consumer – radiator

Kit contents:
Euroster 11W controller, RV-14RK or RV-14PR fan
with 0.8 m-long cable, fan gasket

BLOWING SET FOR CH BOILERS ....
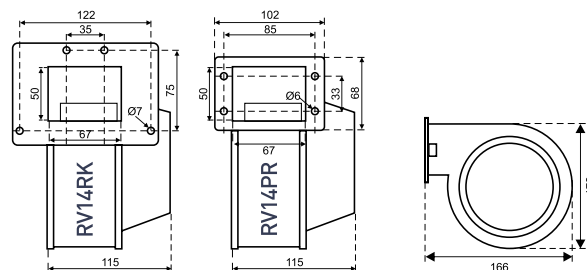
Type of motor drive	Shaded-pole induction motor
Rated voltage	230 V 50 Hz
Consumption power	60 W
Rated current	0.4 A
Max. capacity	200 m³/h
Operating position	any
Ingress protection rating	IP20
Basic insulation	H Class
Sound power level	62dB(A)
Weight	RV14RK - 2 kg RV14PR - 1,84 kg

e11z

Independently controls the operation of the CH pump and DHW pump.

o **Maintains constant temperature of water in the tank**
o Prevents boiler condensation (sweating)
o **Features possibility to activate DHW priority function**
o **Protects the tank against cooling down**
o **Features the possibility to keep the screen permanently backlit**

Supply voltage	230 V 50 Hz
Maximum output load	3 A 230 V 50 Hz
Maximum power consumption	1.6 W
Temperature measurement range	0°C...+120°C
Temperature adjustment range – CH mode	+20°C...+80°C
Temperature adjustment range – DHW mode	+20°C...+70°C
Temperature adjustment accuracy	1°C
Hysteresis range	2°C – 10°C

EUROSTER®

ciepło na życzenie

IN SYSTEM OF A BOILER WITH CH AND DHW PUMPS

Sample diagram of a control system

1. EUROSTER 11Z controller
2. DHW tank temperature sensor
3. DHW tank
4. DHW tank feeding pump
5. CH boiler
6. CH temperature sensor
7. CH pump
8. Heat consumer – radiator

eT6230V wired module

Wired module intended for control of thermal electrical actuators installed in the water-typer floor heating distributor.

o **Independent control of 6 heating zones with 2 actuators for each zone**
o **Cooperates with 6 EUROSTER room thermostats**
o **Features an output used to control a circulating pump**
o **Features an output used to control the operation of a heating boiler**
o Features possibility to connect the modules in series to provide the extension of the heating system

Supply voltage	230 V 50 Hz
Maximum load (total)	3 A 230 V 50 Hz
Actuator supply voltage	230 V 50 Hz
Type of supported actuators	Thermoelectric - normally closed (NC)
Visual signalization	LEDs

Thermostats **compatible** with **T6230V:**

T1NC actuator   **Thermal electrical NC M30 x 1.5**

Supply voltage	230 V 50 Hz
Connection (thread)	M30 x 1,5
Type of actuator	NC (normally closed)
Energy consumption during operation	1.2W
Stroke	4 mm

EUROSTER®

ciepło na życzenie

Euroster 0101 SMART
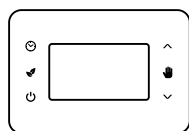
Euroster 4010/4020
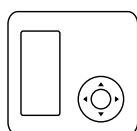
Euroster 4040

Wireless thermostats

230 V 50 Hz

NO COM

COM NO

⑤④ ②①

1 2 3 4 5 6

Wejście 1
Input 1

Wejście 2
Input 2

Wejście 3
Input 3

Wejście 4
Input 4

Wejście 5
Input 5

Wejście 6
Input 6

N N

N N

T3A

UWAGA! Napięcie 230 V 50 Hz
WARNING! High voltage 230 V 50 Hz

Zasilanie
Supply

L N PE

Pompa
Pump Output

PE L N

Wyjście 1
Output 1

L N L N

Wyjście 2
Output 2

L N L N

Wyjście 3
Output 3

L N L N

Wyjście 4
Output 4

L N L N

Wyjście 5
Output 5

L N L N

Wyjście 6
Output 6

L N L N

NC COM NO

Wyjście kocioł
Boiler output

1 ⋈   2 ⋈   3 ⋈   4 ⋈   5 ⋈   6 ⋈

CH boiler

STERFLOOR T8WIFI SET wired version

Wired control system for thermal electrical actuators mounted on a distributor in a wet underfloor heating system, including Wi-Fi-Tuya integration.

- **The Sterfloor Set consists of:**
  - **Euroster T8WIFI panel**
  - **a dedicated Euroster ETMWIFI thermostat**
- **Possibility of extending the system with additional TSWIFI thermostats (to be ordered separately)**
- **TMWIFI thermostat has a built-in Wi-Fi module – no need to use gateways**
- **The system is controlled and adjusted using the dedicated Tuya application for IOS and Android.**
- **It independently controls 8 heating zones and optimally 12 actuators mounted on the floor distributor**
- **It cooperates with 230 V 50 Hz normally closed (NC) thermal electrical actuators featuring on-off control**
- **The thermostat has a safe (12 V) connection to the panel with a 2-core cable with a minimum cross-section of 0.75 mm² (suitable for use in system retrofits)**
- **It features an output to control a circulating pump**
- **It features 2 outputs to control heating devices (e.g. CH boiler + heat pump)**
- **Childproof lock**
- **Panel to be installed on a wall or DIN 35 mm rail.**

ET8WIFI Module supply voltage	230 V 50 Hz
Supply voltage of ETMWIFI/ESWIFI thermostats from ET8WIFI panel	12 V DC
Actuator supply voltage	230 V 50 Hz
Visual signalization	diody LED
WIFI antenna transmitting frequency	2,4 GHz

EUROSTER®

ciepło na życzenie

MASTER 26.5

SLAVE 26.5

SLAVE 26.5

SLAVE 26.5

SLAVE 26.5

SLAVE 26.5

SLAVE 26.5

SLAVE 26.5

6 7 8

Wejście Input

Wejście Input

Wejście Input

Wejście Input

Wejście Input

Wejście 6 Input 6

Wejście 7 Input 7

Wejście 8 Input 8

6 7 8

UWAGA! Napięcie 230 V 50 Hz
WARNING! High voltage 230 V 50 Hz

Zasilanie
Supply
L N PE

Pompa
Pump Output
PE L N

Wyjście 1
Output 1
L N L N

Wyjście 2
Output 2
L N L N

Wyjście 3
Output 3
L N L N

Wyjście 4
Output 4
L N L N

Wyjście 5
Output 5
L N

Wyjście 6
Output 6
L N

Wyjście 7
Output 7
L N

Wyjście 8
Output 8
L N

COM NO
Wyjście kocioł
Boiler output

CH boiler

eC6RX wireless module

Wireless module intended for control of thermal electrical actuators installed in the water-typer underfloor heating distributor.
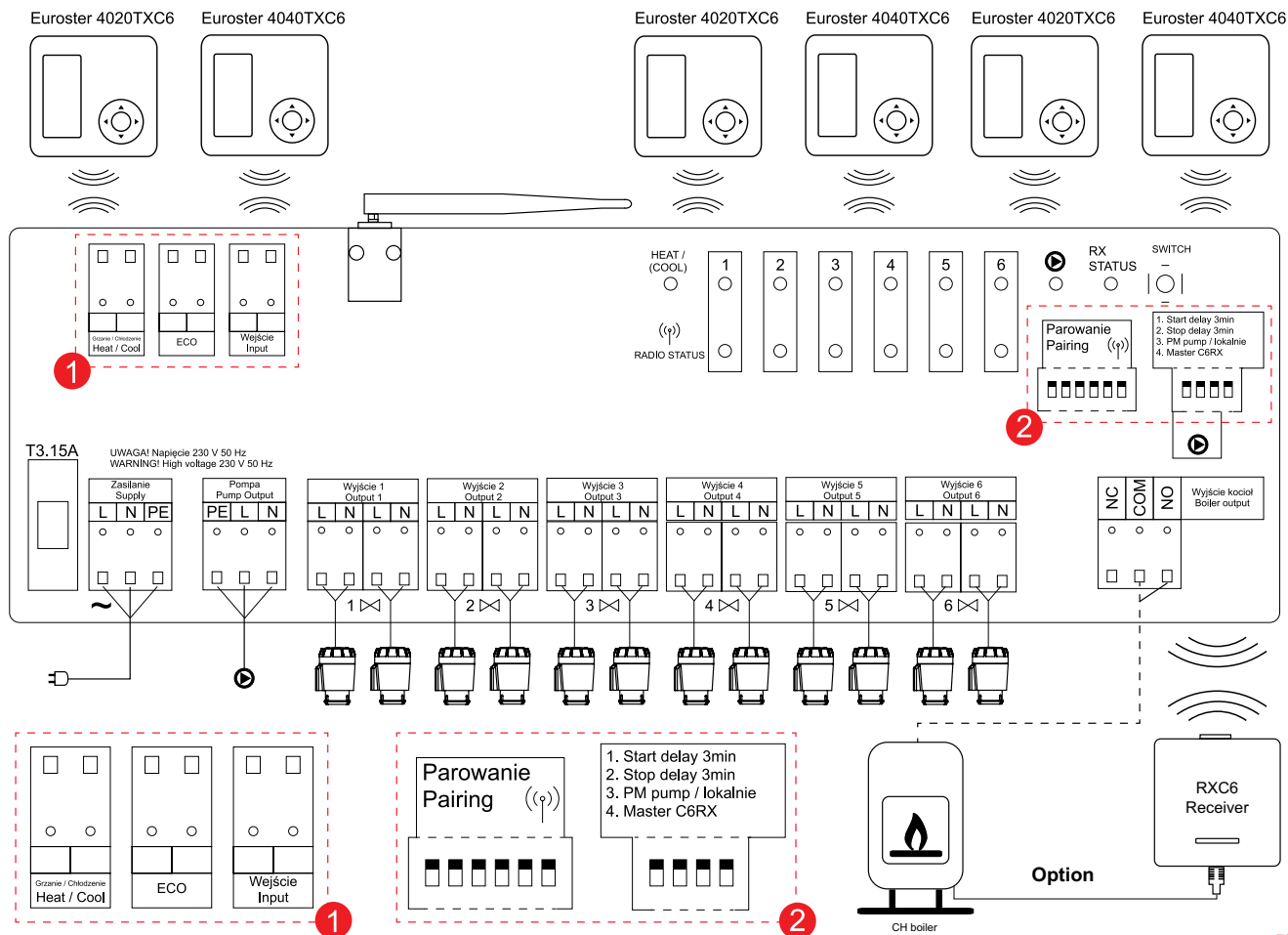
o **Independently controls 6 heating zones and maximum 12 actuators installed in the floor heating distributor**

o **Features the possibility to connect wirelessly four C6RX modules to extend the heating system (24 independent zones for 48 actuators)**

o **Cooperates with EUROSTER 4040 TXC6 and 4020 TXC6 wireless room thermostats only**

o **Output used to control circulating pump**

o **Output used to control the operation of a heating boiler**

o **Wireless RXC6 receiver (for switching on the CH boiler) cooperates with C6RX module**

o Input used for switching between heating and cooling modes

o **Input for switching on ECO mode (sets economical temperature in all connected thermostats – only in Master C6RX mode)**

o Possibility to set delay for pump start and stop

o Cooperates with normally closed (NC) thermal electrical actuators featuring on-off 230 V 50Hz control

System components cooperating with C6RX module only

e**4040**TXC6
e**4040**TXC6B

e**4020**TXC6
e**4020**TXC6B

RXC6 receivers

Supply voltage	230 V 50 Hz
Maximum load (total)	3 A 230 V 50 Hz
Actuator supply voltage	230 V 50 Hz

T1NC actuator   Thermal electrical NC M30 x 1.5

Supply voltage	230 V 50 Hz
Connection (thread)	M30 x 1,5
Type of actuator	NC (normally closed)
Energy consumption during operation	1.2W
Stroke	4 mm

EUROSTER®
ciepło na życzenie

Euroster 4020TXC6 Euroster 4040TXC6

Euroster 4020TXC6 Euroster 4040TXC6 Euroster 4020TXC6 Euroster 4040TXC6

1

Grzanie / Chłodzenie
Heat / Cool

ECO

Wejście
Input

HEAT /
(COOL)

RADIO STATUS

1 2 3 4 5 6

RX
STATUS

SWITCH
–

Parowanie
Pairing

1. Start delay 3min
2. Stop delay 3min
3. PM pump / lokalnie
4. Master C6RX

2

T3.15A

UWAGA! Napięcie 230 V 50 Hz
WARNING! High voltage 230 V 50 Hz

Zasilanie
Supply

L N PE

Pompa
Pump Output

PE L N

Wyjście 1
Output 1

L N L N

Wyjście 2
Output 2

L N L N

Wyjście 3
Output 3

L N L N

Wyjście 4
Output 4

L N L N

Wyjście 5
Output 5

L N L N

Wyjście 6
Output 6

L N L N

NC COM NO

Wyjście kocioł
Boiler output

~

1 2 3 4 5 6

Grzanie / Chłodzenie
Heat / Cool

ECO

Wejście
Input

1

Parowanie
Pairing

1. Start delay 3min
2. Stop delay 3min
3. PM pump / lokalnie
4. Master C6RX

2

CH boiler

RXC6
Receiver

Option

THERMOSTATS REQUIRED FOR THE COOPERATION WITH C6RX MODULE

e4040TXC6

e4040TXC6B

e4020TXC6

e4020TXC6B

EUROSTER®

ciepło na życzenie

e4040TXC6 / e4040TXC6B wireless

Wireless, weekly programmable thermostat designed to cooperate with C6RX module.

- o **Controls room temperature by wireless communication with the C6RX floor heating module**
- o **Clear, back-lit E-Ink display**
- o **The hysteresis set within the range from 0.2°C to 10°C or PWM adjustment**
- o Two temperature levels: comfort and reduced
- o **Thermostat interlock with a selectable 4-digit code**
- o **E4040TXC6** – Operation in one of the three following operation modes:
  - • room temperature control
  - • floor temperature control
  - • room temperature control with floor temperature limitation

e4020TXC6 / e4020TXC6B wireless

Wireless, daily thermostat designed to cooperate with C6RX module.

- o **Controls room temperature by wireless communication with C6RX underfloor heating module**
- o Clear, backlit LCD
- o **The hysteresis set within the range from 0.2°C to 10°C or PWM adjustment**
- o **e4020TXC6** – Operation in one of the three following operation modes:
  - • room temperature control
  - • floor temperature control
  - • room temperature control with floor temperature limitation
- o **E4020 thermostat features an interlock with a selectable 3-digit code**
- o **Minimum and maximum temperature setting limitation**

FLOOR HEATING SYSTEM WITH A COMMON PUMP

In Master C6RX the pump output is activated if any communicating C6RX module requests heating.

1. T1NC actuator
2. CH pump
3. RXC6 receiver
4. CH boiler
5. e4040TXC6 / e4020TXC6 thermostat
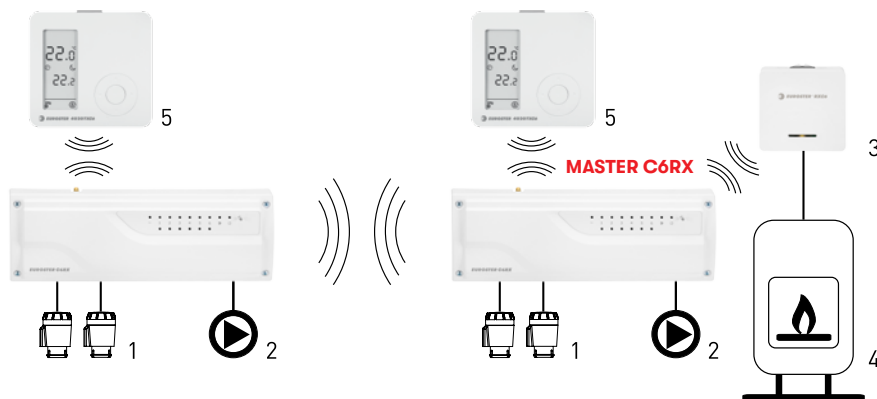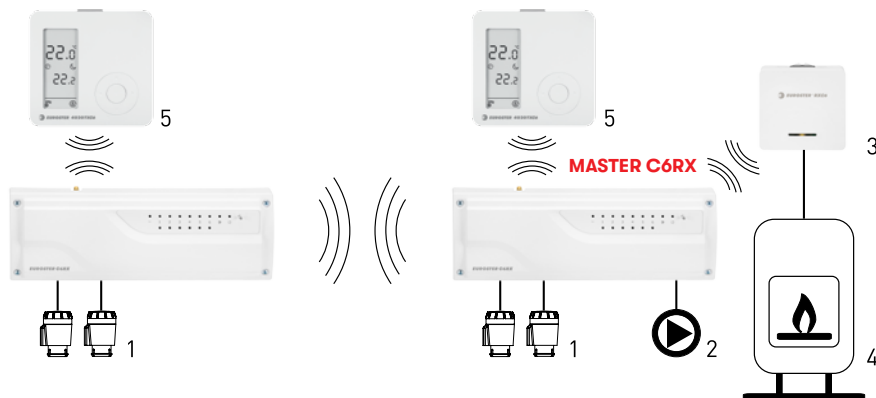
FLOOR HEATING SYSTEM WITH INDIVIDUAL PUMPS

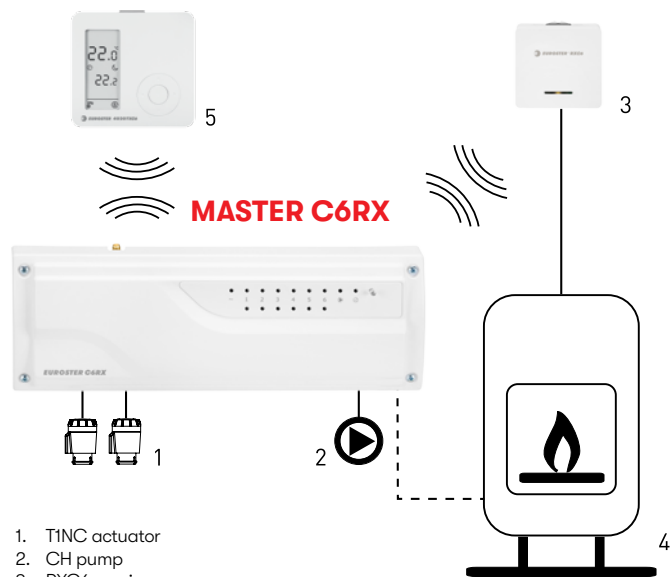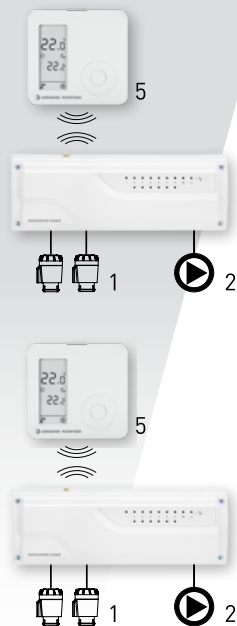Each C6RX module controls a pump individually.

1. T1NC actuator
2. CH pump
3. RXC6 receiver
4. CH boiler
5. e4040TXC6 / e4020TXC6 thermostat

CONNECTION DIAGRAM FOR 3 PIECES OF C6RX MODULES

Possible communication of 3 pieces of C6RX modules with **one** RXC6 receiver and activating simultaneously boiler and pump outputs in **two** modes: Together and individually.

MASTER C6RX – additional functions:

- Possibility to switch over between heating and cooling
- Activating ECO function – close input no. 2 to activate ECO mode for all thermostats communicating with C6RX modules.
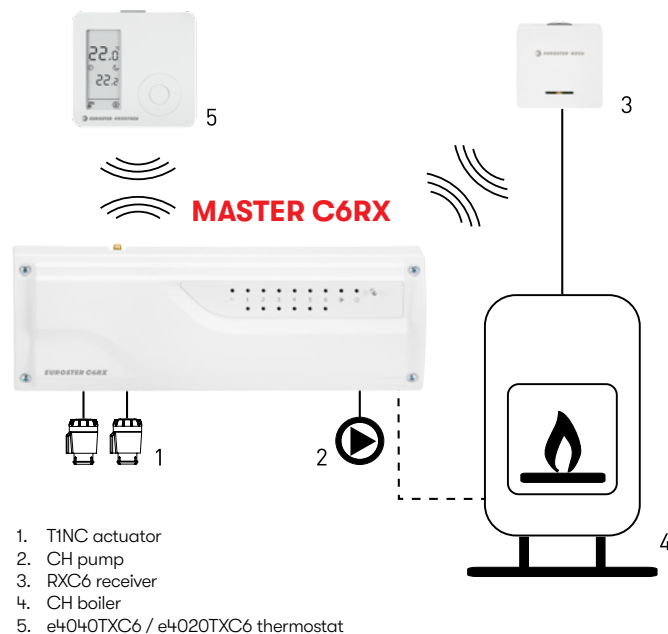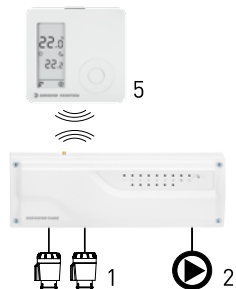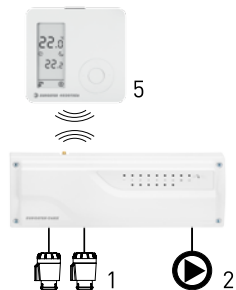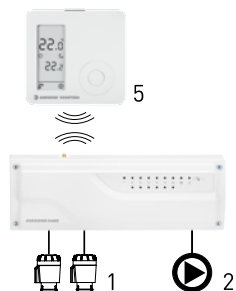
MASTER C6RX

1. T1NC actuator
2. CH pump
3. RXC6 receiver
4. CH boiler
5. e4040TXC6 / e4020TXC6 thermostat

EUROSTER®

ciepło na życzenie

CONNECTION DIAGRAM FOR 4 PIECES OF C6RX MODULES ···

Possible communication of maximum 4 pieces of C6RX modules with **one** RXC6 receiver and activating simultaneously boiler and pump outputs in **two** modes: Together and individually.
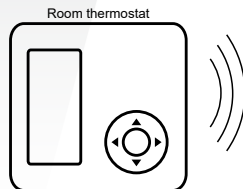**MASTER C6RX – additional features:**

- ○ Possibility to switch over between heating and cooling
- ○ Activating ECO function – close input no. 2 to activate ECO mode for all thermostats communicating with C6RX modules.

MASTER C6RX

1. T1NC actuator
2. CH pump
3. RXC6 receiver
4. CH boiler
5. e4040TXC6 / e4020TXC6 thermostat
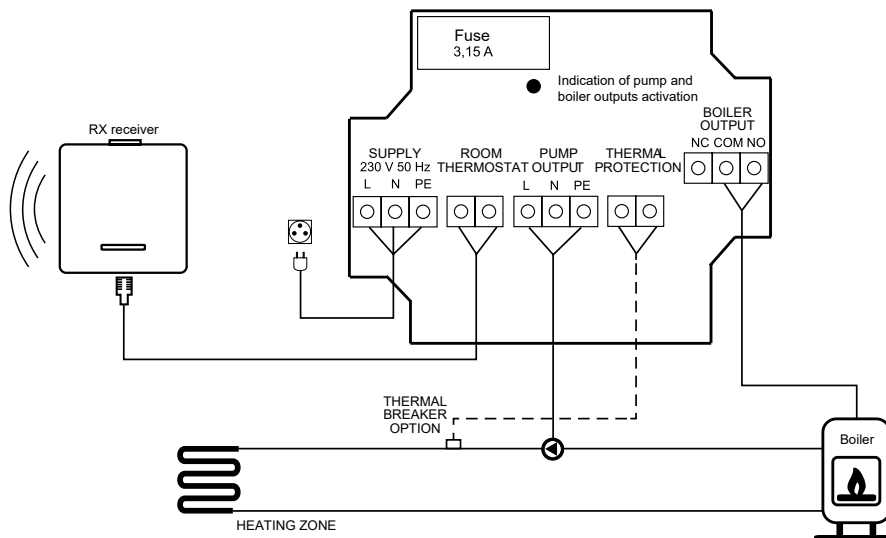
eFH1

Module of one heating zone with a boiler output.

- **Cooperates with Euroster thermostats (wired, wireless, and on-line Wi-Fi type thermostats)**
- **Controls the CH pump (or thermal electrical actuator)**
- **Controls the boiler – voltage-free contact**
- Bimetal sensor (thermal breaker) output **(overheating protection for the zone)**

Supply voltage	230 V 50 Hz
Maximum output load	2 A 230 V 50 H

Room thermostat

RX receiver

Fuse
3,15 A

Indication of pump and boiler outputs activation

BOILER OUTPUT
NC COM NO

SUPPLY
230 V 50 Hz
L N PE

ROOM
THERMOSTAT

PUMP OUTPUT
L N PE

THERMAL PROTECTION

THERMAL
BREAKER
OPTION

HEATING ZONE

Boiler

EUROSTER®

ciepło na życzenie

eFH2

Module of 2 heating zones with a boiler output.

- ○ **Cooperates with Euroster thermostats (wired, wireless and of an on-line Wi-Fi type)**
- ○ **Controls the CH pumps (or thermal electrical actuator)**
- ○ **Controls the boiler – voltage-free contact**
- ○ Features a bimetal sensor (thermal breaker) output **(overheating protection for the zone)**
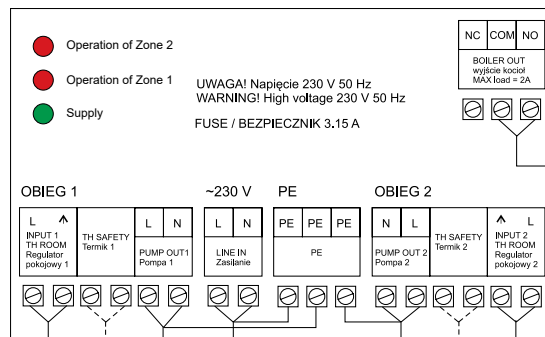
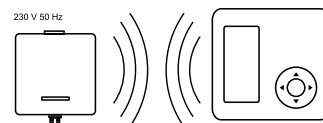| Supply voltage	230 V 50 Hz
Maximum output load	2 A 230 V 50 H

Zone 1 room thermostat

230 V 50 Hz

NC COM NO

BOILER OUT
wyjście kocioł
MAX load = 2A

Operation of Zone 2

Operation of Zone 1

Supply

UWAGA! Napięcie 230 V 50 Hz
WARNING! High voltage 230 V 50 Hz

FUSE / BEZPIECZNIK 3.15 A

Zone 2 room thermostat

230 V 50 Hz

OBIEG 1   ~230 V   PE   OBIEG 2

L ∧		L N	L N	PE PE PE	N L		∧ L
INPUT 1 TH ROOM Regulator pokojowy 1	TH SAFETY Termik 1	PUMP OUT1 Pompa 1	LINE IN Zasilanie	PE	PUMP OUT 2 Pompa 2	TH SAFETY Termik 2

INPUT 2
TH ROOM
Regulator
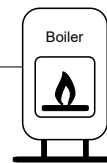pokojowy 2

THERMAL
BREAKER
OPTION

THERMAL BREAKER
OPTION

Boiler
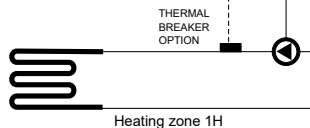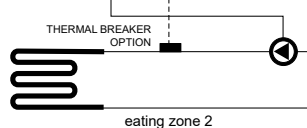
Heating zone 1H

eating zone 2

Cables

**Euroster cable with sensor
E11/C/B/E/W/WB/Z, 23K series – black – 1.5 m**
PRZEWCZUJCZ1,5

**Euroster cable with sensor
E11/C/B/E/W/WB/Z, E12/M/PN 23K series – black – 3 m**
PRZEWCZUJCZ3

**Euroster cable with sensor
E11/C/B/E/W/WB/Z, E12/M/PN 23K series – black – 5 m**
PRZEWCZUJCZ5

**Euroster cable with sensor
E2006, E2026, EQ7E, EQ1E E4040, E506 series – 2.5 m**
PRZEWCZUJ-01

EQ1, EQ7 series cable with sensor – 2.5 m
PRZEWCZUJQ

**Cable with outdoor temperature sensor
for UNI2, UNI3, UNI4 – 5 m (in housing)**
PRZEWCZUJ-19

Cable with sensor for UNI2, UNI3, UNI4 – 1.5 m
PRZEWCZUJ-17

Cable with sensor for UNI2, UNI3, UNI4 – 2.5 m
PRZEWCZUJ-18

RX receiver

**(E4040TXRX, E4010TXRX,
E4020TXRX, E2006 TXRX,
E2026TXRX – 868 MHz version)**

RXG receiver

**(E2006TXRXG,
E2026TXRXG,
E4040TXRXG –
868 MHz version)**

RXN receiver

**Surface-mounted receiver
designed for cooperation
with thermostats – 868 MHz
version**

RX230V Receiver

**Wireless flush-mounted
receiver with 230 V output.
Designed to cooperate with
E4040TX, E404Smart, E4020TX,
E4010TX thermostats**

EUROSTER
ciepło na życzenie

	E1	E11C	E11B	E11E	E11EK	E11M	E11Z	E11W	E11WB	E11K	E10M	E10PC
Heating source/feeding/boiler temperature sensor	1,5m	1,5m	1,5m	1,5m	1,5m	3m	1,5m	1,5m	1,5m		3m	3m
CH zone temperature sensor						3m					3m	3m
DHW tank temperature sensor			5m				5m		5m	2,5m		
Thermal protection								1,5m	1,5m			
Fireplace temperature sensor										2m		

	E12	E12M	E12P	E12PN
Feeding temperature sensor	1,5m	1,5m		
Zone 1 temperature sensor	1,5m			
Zone 2 temperature sensor	3m			
Zone 3 temperature sensor	5m			
Heating zone temperature sensor		3m		
Outdoor temperature sensor		5m		
Heating source/boiler temperature sensor			1,5m	3m
Feeder temperature sensor			3m	3m
DHW tank temperature sensor			5m	5m
Thermal protection			1,5m	

	EUNI2	EUNI3	EUNI4
Feeding temperature sensor	1,5m	1,5m	1,5m
Feeding 2 temperature sensor			2,5m
Outdoor temperature sensor	5m	5m	5m
DHW tank temperature sensor	2,5m		2,5m
DHW circulation temperature sensor	2,5m		
CH1 zone temperature sensor	1,5m	1,5m	1,5m
CH2 zone temperature sensor	1,5m	1,5m	1,5m
CH3 zone temperature sensor		1,5m	
Temperature sensor of an additional heating source		2,5m	

EUROSTER®

ciepło na życzenie

P.H.P.U. AS
Chumiętki 4, 63-840 Krobia, Poland
Wielkopolska region

Phone No. +48 65 571 15 16
Phone No. +48 65 573 85 39
Phone No. +48 65 573 88 00

euroster@euroster.com.pl
zamowienia@euroster.com.pl
www.euroster.pl

SALES DEPARTMENT
a.palczun@euroster.com.pl
extension 25

m.mikolajczak@euroster.com.pl
extension 36

k.sobkowiak@euroster.com.pl
extension 24

CUSTOMER SERVICE
Phone No. +48 65 571 15 16
Monday – Friday 7.00 a.m. 4.00 p.m.

TECHNICAL SERVICE AND SUPPORT
serwis@euroster.com.pl
Phone No. +48 65 571 20 12
Monday – Friday 7.00 a.m. 3.00 p.m.