

ENERGY CONTROL IN YOUR HOME

PRODUCT CATALOG 2022

www.engocontrols.com



About our company

We are a modern brand in the heating control industry. Our technicians take a close look at the heating market. We know its strengths and weaknesses. We know what customers want. We know what problems they encounter during the winter season. We create devices which solve those problems.



Our values

We want to provide our customers with convenience with minimal impact on nature. We focus on ecological responsibility and proven technologies.

We believe that technology is for people - never the other way around



What makes us different?

Energy efficiency

Heating control saves energy. We use only as much as we need. As a result, the house is always optimally heated and the bills are lower.



New solutions

We use only modern, efficient technology in our devices. We are also open for cooperation with other future automations (Tuya Smart).



Guarantee

When designing products, we pay attention to details. We test, check and control the quality and functionality of our products. This allows us to offer a long warranty period and free advice before and after purchase as standard.



Opportunities

We are moving in an eco-friendly direction. Less energy consumption helps the environment. Our equipment - thanks to its efficiency – gives an opportunity to relieve the burden on nature.





ENG0 Controls - user benefits

We want to provide solutions that fit your lifestyle. We are here to ensure you feel great in your own home.



Comfortably heated interiors



5-year product warranty,
at no extra charge



Savings in the household budget



Trouble-free service



High quality manufacturing and
operations of control devices



Increase in property value

We want our products to be a part of your pleasant home atmosphere



ENG0 Smart

ENG0 Smart app is based on the world famous Tuya Smart system for controlling devices in a smart home. Its greatest advantage is versatility: it supports many products of many brands. In one app you can control devices of different types.

For example:

- heating system
- bulbs, lamps, LED stripes
- light and power switches
- window roller blinds, garage doors
- alarm sensors, cameras
- appliances and devices that are used in the house
- air filters

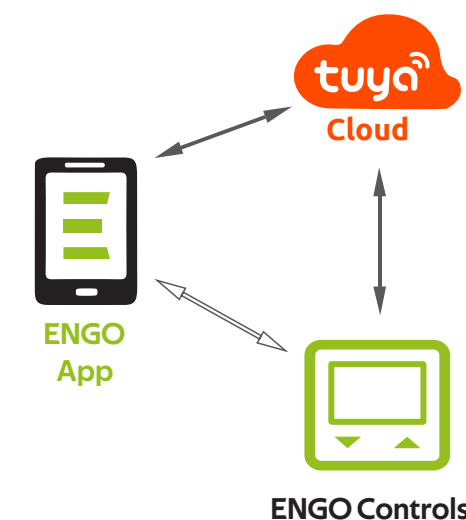
The advantages are enormous! You can choose from thousands of different proposals, decide on the type and brand of product, and then combine everything into a system operated by a single app **ENG0 Smart** in Tuya Smart.



Smart Home without a central device

ENG0 Smart does not require installation of a management panel. Communication between the products in the system takes place in the cloud (Tuya Cloud). This is where the data is transmitted and processed. Tuya Cloud connects to the user's phone.

The app allows you to build automatic sequences of actions. Devices turn on or off depending on: set time, sunrise/sunset, temperature, signal received from another device.





The advantages of heating control - it's worth trusting us!

Saving energy

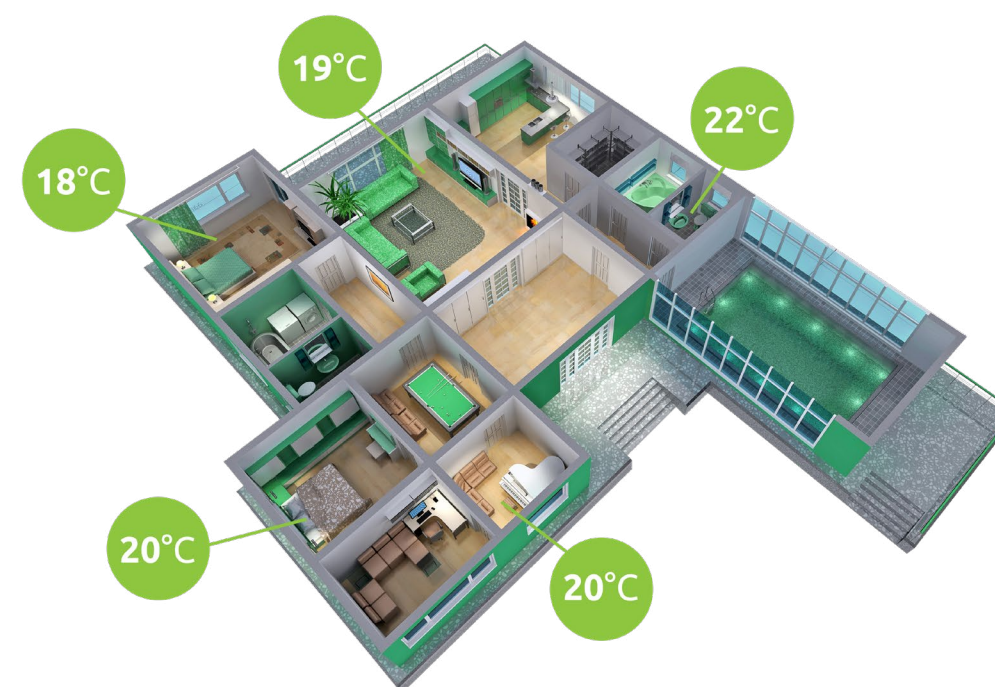
The heating control system reduces energy consumption to the necessary minimum. Only as much heating fuel as is needed to heat the building is consumed - all according to the needs and individual decisions of residents. As a result, winter bills can be lower and the environment less polluted. It is worth remembering that economy goes hand in hand with ecology. Lower emissions of harmful combustion products into the atmosphere means cleaner air. The fight against smog starts in our homes and is most effective there.

A properly heated home

Thanks to clever heating control, the room temperature is set by the occupants. This is ensured by practical heating schedules and the so-called ZONE CONTROL. Remember that if heating of a building is based on measurements from only one room (e.g. living room, where the thermostat has been installed), the temperature in other rooms is always random. This is neither efficient nor comfortable. ZONE CONTROL solves this problem - allows you to manage the heat of each room separately.

Healthier living

A well heated house is cheaper to maintain, ecological but also much healthier. We gain better mood and greater comfort of living. We do not think about it everyday, but the temperature of the environment has an influence on our functioning. Efficient work, rest, good mood - thermal conditions affect it all. What is more, a proper home microclimate supports the respiratory and circulatory systems, improves the quality of sleep, stimulates concentration. Both overcooling and overheating are unhealthy. ZONE HEATING CONTROL eliminates these negative factors from our lives.





ENERGY CONTROL IN YOUR HOME

Choose the version for you and control your heating...

...by wire

The thermostat is connected directly to the heating device.

...wireless

Installation does not require any electrical wiring. The thermostat communicates with the receiver by radio signal. The thermostat is installed in the room, the receiver at the heat source place.



Our heating control system:



Is fully automatic and long-lasting



Is easy to operate with well thought functioning



Can be expanded by additional elements



Provides regular updates: new features, new models



Contains highly efficient control algorithms



Is open to global technologies (Tuya Smart)



Gives efficient performance in a variety of weather conditions



Complies with EU Directive (CE Certificate)



ENGO Controls - benefits for the installer

We value installers and respect their time. Therefore, we take special care that the cooperation in the field of installation and commissioning of our systems is the best.



Individual approach to each installation



Increased number of orders: the client regularly expands the system



Assigned mentor for a given investment



Skill growth: technical assistance and training for the installation team



Quick, direct contact with the technical department



Marketing support for companies cooperating with ENGO Controls

Internet controlled thermostat, WiFi

E10W230WIFI / E10B230WIFI

932312902 / 932312901



Two color versions: white and black

E10 is a wired temperature thermostat with a WiFi and Bluetooth module. It enables economic and ecological control of any type of heating. Provides remote control of the heating system using the ENGO Smart / Tuya Smart application. It is characterized by a clear menu and a multitude of useful functions. Programming the E10 is very simple and allows you to adjust the heating cycle to your daily rhythm. The model is available in white and black.

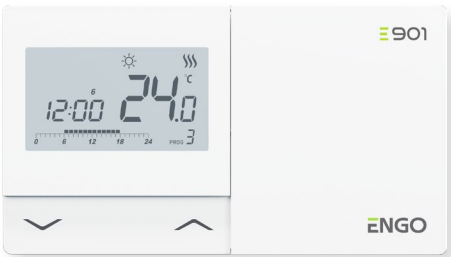
Product features:

- minimalistic design
- very easy to use
- multiple functions available from the ENGO Smart / Tuya Smart app
- external temperature sensor input
- adjustment of the brightness of the display
- for Underfloor or Heating Source control
- precise TPI temperature control algorithm
- possibility to set the minimum and maximum setpoint temperature range
- diagrams with temperature history (available in the app)
- ability to share a device to multiple users
- push notifications from the app
- key lock function
- NO-COM Volt-Free output 3(1)A

Programmable, wired thermostat

E901

932322911



- | | |
|------------------------|---|
| Power supply | 230V AC 50Hz |
| Max current | 3 (1) A |
| Temp. setpoint range | 5 – 45°C |
| Display temp. accuracy | 0.1°C |
| Control algorithm | TPI or hysteresis (±0.1°C to ±0.5°C) |
| Communication | WiFi 2,4 GHz |
| Input S1 and S2 | Floor temp. sensor or Air temp. measurement |
| Control output | NO/COM (voltage-free relay) |
| Protection class | IP30 |
| Dimensions [mm] | 86 x 86 x 39 (14 after mounting in a box with a diameter of 60) |

E901 is a programmable, surface-mounted electronic room thermostat, used for controlling of heating devices (e.g. gas, oil boilers, heat pumps) or cooling devices. Allows creating personalised schedules. Thanks to the built-in algorithms, it offers much better temperature control accuracy than traditional mechanical thermostats. The thermostat is connected by wires directly to the heating device.

Product features:

- 2 methods of schedule programming
- selectable NO or NC relay type
- ability to choose a control algorithm: hysteresis or TPI
- works with HEATING & COOLING Systems
- minimum and maximum setpoint temperature limit
- PIN lock
- key lock function
- For Underfloor or Heating Source control

Programmable, wireless thermostat

E901RF

932322612



- | | |
|--------------------------|--|
| Thermostat supply | 2 x AA batteries |
| Receiver supply | 230V AC 50Hz |
| Receiver's max current | 16 (5) A |
| Receiver's output signal | NO/COM (voltage-free relay) |
| Temp. setpoint range | 5 – 35°C |
| Display temp. accuracy | 0.1°C or 0.5°C |
| Control algorithm | TPI or hysteresis (±0.25°C or ±0.5°C) |
| Communication | Wireless, 868 Mhz |
| Dimensions [mm] | transmitter: 150 x 84 x 22 receiver: 96 x 96 x 27 |

Included: thermostat transmitter (E901TX), thermostat receiver (E901RX)

E901RF is a programmable, surface-mounted electronic room thermostat, used for control of heating devices (e.g. gas, oil boilers, heat pumps) or cooling devices. It has the function of creating your own schedules. Thanks to the built-in algorithms, it offers a much better temperature control accuracy than traditional mechanical thermostats. E901RF set is paired by factory. Receiver should be connected directly to a controlled device (e.g. gas boiler).

Product features:

- E901+ has all the features of E901 plus additional
- working range up to 100 m in open space
- unique transmission codes
- automatic signal renewal



Control box for underfloor heating system

ECB08M230

932331460



| | |
|-----------------|---|
| Power supply | 230V AC 50Hz |
| Max current | 6(1) A |
| Outputs | Pump (230V) Boiler (NO/COM) Thermoelectric actuators (230V) |
| Dimensions [mm] | 330 x 110 x 36 |

ECB08M230 control box is the main element of the underfloor heating control system. It has a built-in module that controls the heat sources (by volt-free relay) and pump (230V AC). The control box allows to control 8 different zones. It is equipped with 230V AC voltage outputs for actuators. Pluggable terminal blocks provide quick and convenient wiring connections. The control box is designed to work with NC (normally-closed) type actuators.

Product features:

- control of 8 independent heating zones
- Volt-Free Boiler control output
- DIN rail holders
- designed for wired thermostats
- 230V Pump control output
- convenient, removable terminals for easy wire connections
- for each of 8 zones dedicated dual output socket for actuators
- Pump & Boiler 3min delay start feature
- very thin housing

Thermal actuator for underfloor heating manifold

E30NC230

932211671



| | |
|------------------------|----------------------|
| Version | NC = normally closed |
| Thread size | M30 x 1.5mm |
| Power supply | 230V AC 50Hz |
| Power consumption | 2W |
| Inrush current | 300mA / 200ms |
| Pressing force | 100N +/- 15% |
| Max. stroke | 4.5mm |
| Storage temp. | -25°C / +60°C |
| Ambient temp. | Max. 60°C |
| IP protection class | IP 54/II |
| Power cord length [cm] | 90cm |
| Dimensions [mm] | Φ 41 x 65 |

The thermoelectric actuator is intended for use with underfloor heating systems. It can be used with thermostatic valves in the manifold for underfloor heating or with zone valves. It allows to open or close the flow of the heating medium in a loop, which gives you the control on the room temperature. It cooperates directly with the thermostat or indirectly via control box.

Product features:

- „First Open” function - makes the first installation easy
- small dimensions
- big stroke length
- fast opening time
- low power consumption
- modern design, high durability

Non-programmable, wired thermostat

EASY230W / EASY230B

932332982 / 932332981 230V AC powered



EASYBATW / EASYBATB

932332984 / 932332983 battery-powered



Two color versions: white and black

| | |
|------------------------|------------------------------------|
| Power supply | 230V or 2xAAA batteries |
| Max current | 3 (1) A |
| Temp. setpoint range | 5 – 35°C |
| Display temp. accuracy | 0.1°C |
| Control algorithm | TPI or hysteresis (±0.2°C to ±2°C) |
| Communication | Wired |
| Output control | NO/COM (voltage-free) |
| IP protection class | IP30 |
| Dimensions [mm] | 80 x 80 x 22 |

Wired temperature thermostat, battery powered (2xAAA) or 230V AC powered. It is used for wired control of heating or cooling devices and systems. It works by maintaining comfortable conditions in the room, in line with the constant temperature set by the user. It is connected directly to a heat source or wiring centre. For a better fit, the model is available in two colors. Safe, reliable, easy to use.

Product features:

- minimalistic design
- NO-COM Volt-Free output 3(1)A
- wired communication
- very easy to use
- LCD display
- selectable NO or NC relay type
- key lock function
- possibility to set the minimum and maximum setpoint temperature range
- hanger for wall mounting included
- for Underfloor or Heating Source control
- precise TPI temperature control algorithm
- HEAT/STANDBY/COOL Switch

Choose the version for you and control your heating...



Wired thermostat 230V
EASY230W (White) or EASY230B (Black)

...power supply 230V

The thermostat is powered by 230V power supply. The thermostat is connected by wires to the heating device.



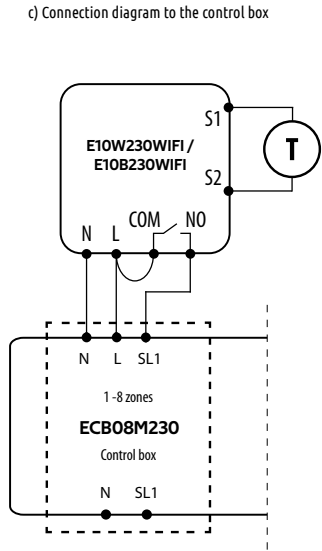
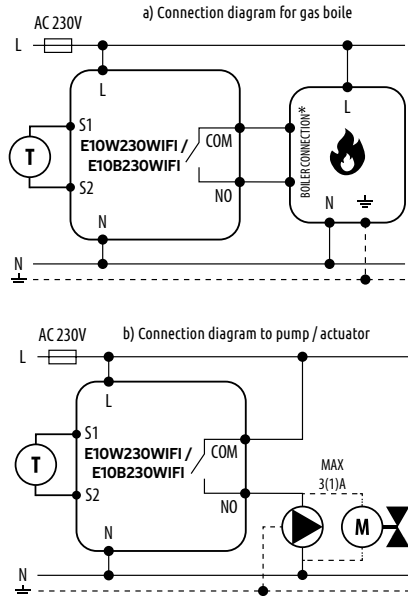
Battery-powered wired thermostat
EASYBATW (White) or EASYBATB (Black)

...battery power supply

The thermostat is powered by 2xAAA batteries. The thermostat is connected by wires directly to the heating device.

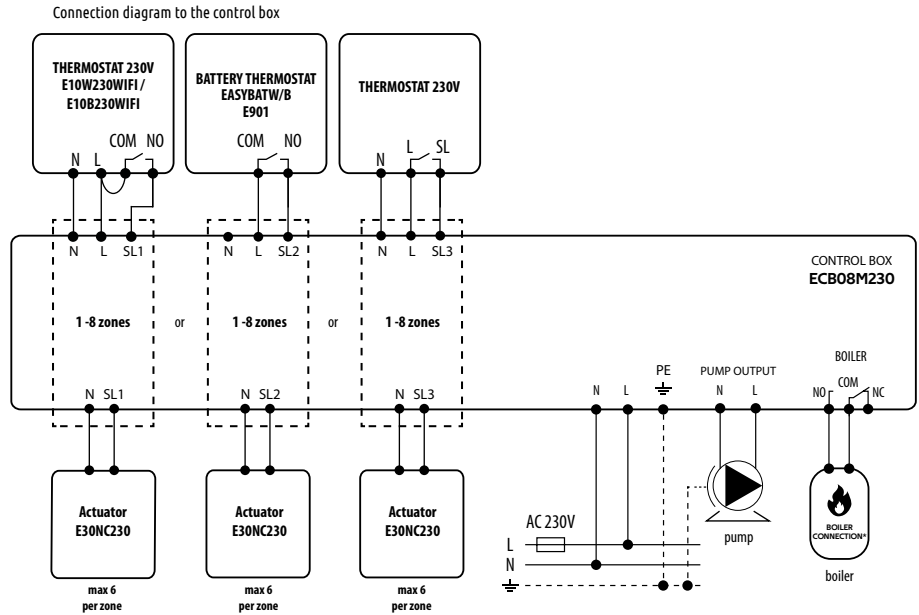
E10W230WIFI / E10B230WIFI

| | |
|------------------------|---|
| Power supply | 230V AC 50Hz |
| Max current | 3 (1) A |
| Temp. setpoint range | 5 – 45°C |
| Display temp. accuracy | 0.1°C |
| Control algorithm | TPI or hysteresis (±0.1°C to ±0.5°C) |
| Communication | WiFi 2,4 GHz |
| Input S1 and S2 | Floor temp. sensor or Air temp. measurement |
| Control output | NO/COM (voltage-free relay) |
| Protection class | IP30 |
| Dimensions [mm] | 86 x 86 x 39 (14 after mounting in a box with a diameter of 60) |



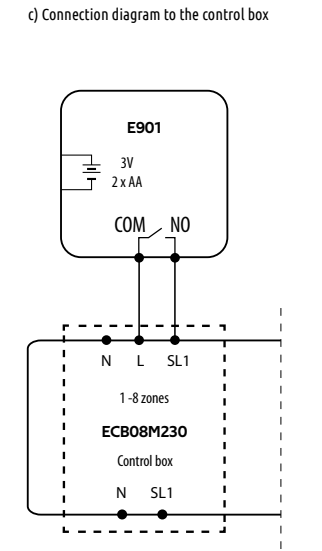
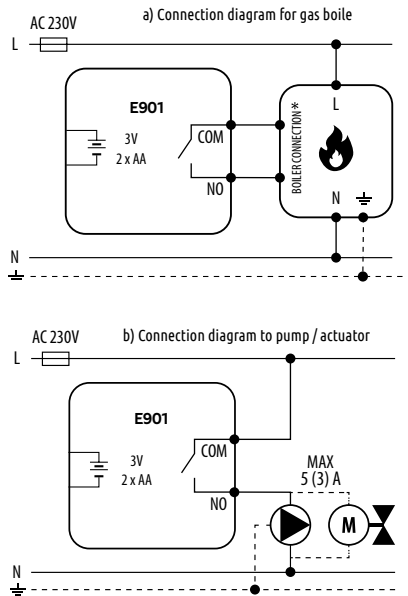
ECB08M230

| | |
|-----------------|---|
| Power supply | 230V AC 50Hz |
| Max current | 6(1) A |
| Outputs | Pump (230V) Boiler (NO/COM) Thermoelectric actuators (230V) |
| Dimensions [mm] | 330 x 110 x 36 |



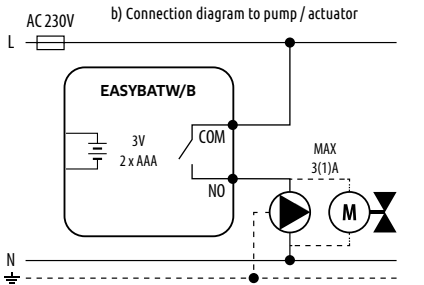
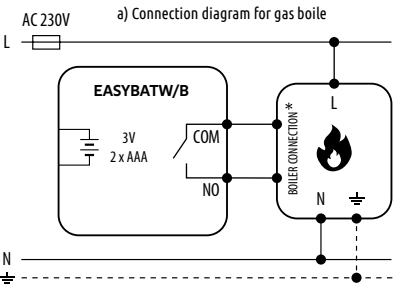
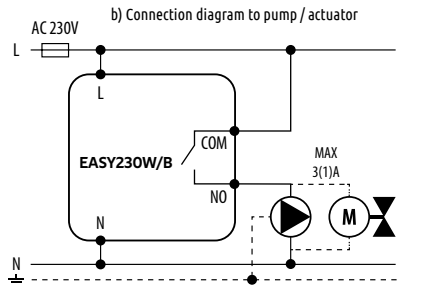
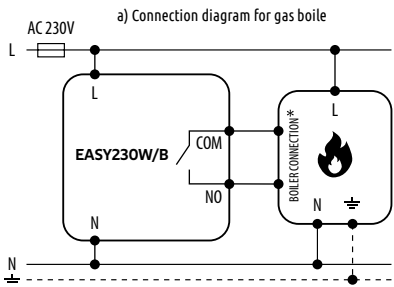
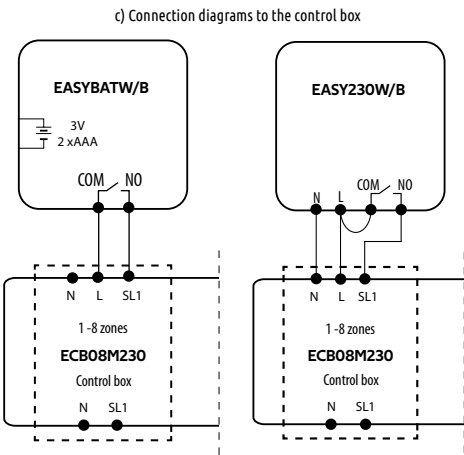
E901

| | |
|------------------------|---------------------------------------|
| Power supply | 2 x AA batteries |
| Max current | 5 (3) A |
| Output control | NO/COM (voltage-free relay) |
| Temp. setpoint range | 5 – 35°C |
| Display temp. accuracy | 0.1°C or 0.5°C |
| Control algorithm | TPI or hysteresis (±0.25°C or ±0.5°C) |
| Communication | Wired |
| Dimensions [mm] | 150 x 84 x 22 |



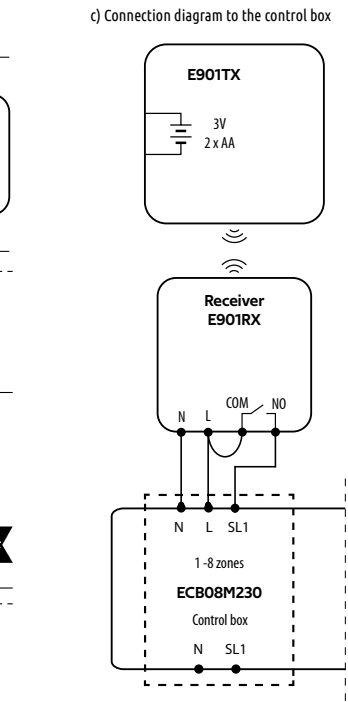
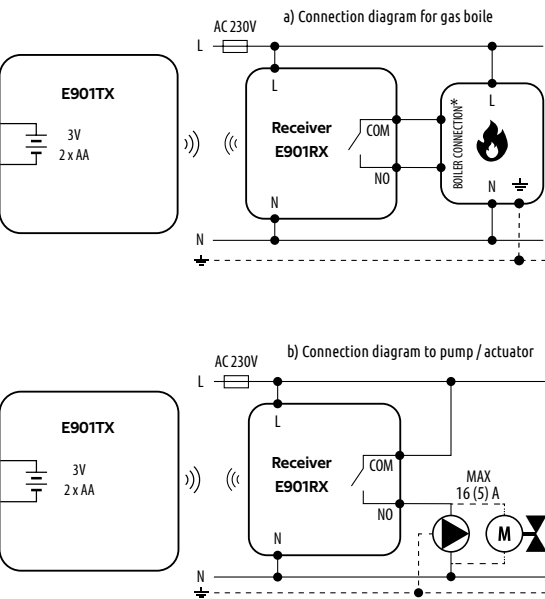
EASY230W / EASY230B
EASYBATW / EASYBATB

| | |
|------------------------|------------------------------------|
| Power supply | 230V or 2xAAA batteries |
| Max current | 3 (1) A |
| Temp. setpoint range | 5 – 35°C |
| Display temp. accuracy | 0.1°C |
| Control algorithm | TPI or hysteresis (±0.2°C to ±2°C) |
| Communication | Wired |
| Output control | NO/COM (voltage-free) |
| IP protection class | IP30 |
| Dimensions [mm] | 80 x 80 x 22 |



E901RF

| | |
|--------------------------|--|
| Thermostat supply | 2 x AA batteries |
| Receiver supply | 230V AC 50Hz |
| Receiver's max current | 16 (5) A |
| Receiver's output signal | NO/COM (voltage-free relay) |
| Temp. setpoint range | 5 – 35°C |
| Display temp. accuracy | 0.1°C or 0.5°C |
| Control algorithm | TPI or hysteresis (±0.25°C or ±0.5°C) |
| Communication | Wireless, 868 Mhz |
| Dimensions [mm] | transmitter: 150 x 84 x 22 receiver: 96 x 96 x 27 |



LEGENDA

| | | | | | |
|--|------------------------|--|---|--|----------------------------|
| | Battery powered | | Ground (electricity) | | Wireless communication |
| | Fuse | | Pump | | Heating mode |
| | 230V AC power supply | | Valve actuator | | NC/COM/NO switch |
| | Voltage-free output | | Temperature sensor | | Contact normally open NO |
| | Input terminals | | Thermoelectric actuator | | Contact normally closed NC |
| | 230V AC voltage output | | Boiler - Boiler connection * - Boiler's contacts for ON/OFF thermostat (according to the boiler's instructions) | | |

www.engocontrols.com



Distributor of ENGO Controls brand:

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Rolna 4
43-262 Kobielice
Poland

Producer:

ENGO CONTROLS S.C.
Górnośląska 3E
43-200 Pszczyna
Poland

 / EngoControls