



AUTOMATICS



TWEETOP SMART HOME

The control system for underfloor, wall, ceiling or radiator heating allows thermostats to be programmed for each room, as well as for the entire building. It is available in wired and wireless versions. It makes it possible to remotely control not only the heating, but also lighting, roller shutters, cameras and third-party white and brown goods. The temperature control system can save up to 30% on heating costs.

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




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Tweetop Sp. z o. o. is a dynamically growing company with entirely Polish capital and management, present on the market since 2001. Since the beginning of its activity, the company has been based in Szczecin, where it continuously conducts operations in the field of design, production and distribution of modern installation systems.


In 2011, Tweetop relocated its entire operations - production, research and development laboratory, central warehouse, logistics and sales office - to a beautifully restored 19th-century red clinker brick building located at 24c Ludowa Street in Szczecin. This historic building, modernised to the highest technical and environmental standards, is now the company's operational centre.


Tweetop is not only present on the domestic market, but is also rapidly expanding its export business. The company's products are currently available in 18 countries in Europe and around the world, a testament to their high quality, reliability and competitiveness. Thanks to a consistent development strategy, an innovative approach and an emphasis on quality and customer service, Tweetop has gained a strong position in the installation industry, both in Poland and on foreign markets.


SYSTEM COMPONENTS

DEVICE	MODEL	TYPE OF CONNECTION				TYPE OF POWER SUPPLY	
		 RF	 Wi-Fi	 Zigbee	 Cable	 Battery operated	 230V
Wireless smart gateway	TSH B100 ZIGBEE	•		•			•
Radiator thermostat	TSH G400 ZIGBEE	•		•		•	
Intelligent central linkage controller	TSH L800				•		•
Thermal actuator	TSH 30 NC STANDARD				•		•
Thermostat	TSH 001				•		•
Thermostat	TSH 001 WIFI		•		•		•
Thermostat	TSH 002				•		•
Thermostat	TSH 002 WIFI		•		•		•
Thermostat	TSH 100				•	•	
Thermostat	TSH 100 RF WIFI	•	•			•	
Thermostat	TSH 100 RF	•				•	
Thermostat	TSH 100 ZIGBEE			•	•	•	

 Wireless communication system at 868 MHz with non-invasive installation of thermostats. The units are battery-powered (need to change batteries once a season).

 System for remote control of wired-powered devices without the need for additional internet devices - Smart Gateway type. Communication directly with the home router.

 Remote control system for 230V battery- or cable-powered devices. Requires an additional device (Smart Gateway). Pre-programmed settings also work in the absence or failure of the internet.

 230V or 24V wired system. Stable, requires no additional user action - such as changing batteries, can be surface- or flush-mounted.

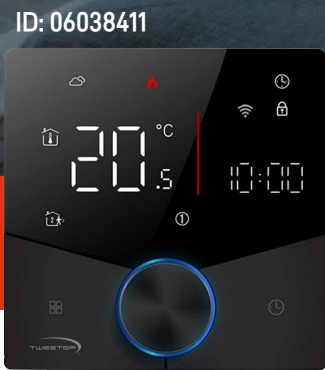
We cannot guarantee that the material you hold in your hand is up-to-date and the technical specifications, procedures and other information contained herein may have changed and do not form the basis of any claim. Please always verify this information at www.tweetop.pl.

TECHNICAL DATA

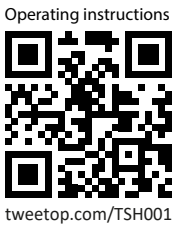
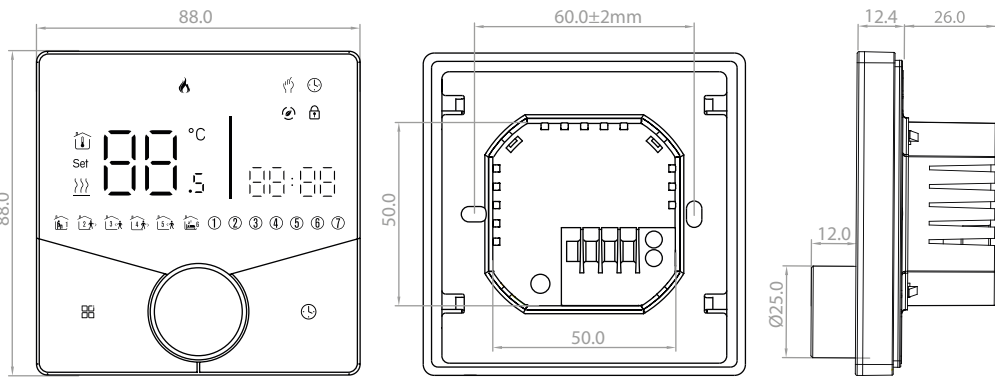
Flush-mounted thermostat

designed to control the temperature of an individual heating zone of a water surface heating system, electric mats or direct connection of a heating appliance. They allow significant savings due to the possibility of precise control of the set temperature. The controllers operate in daily, weekly or manual mode.

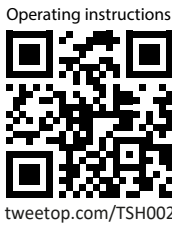
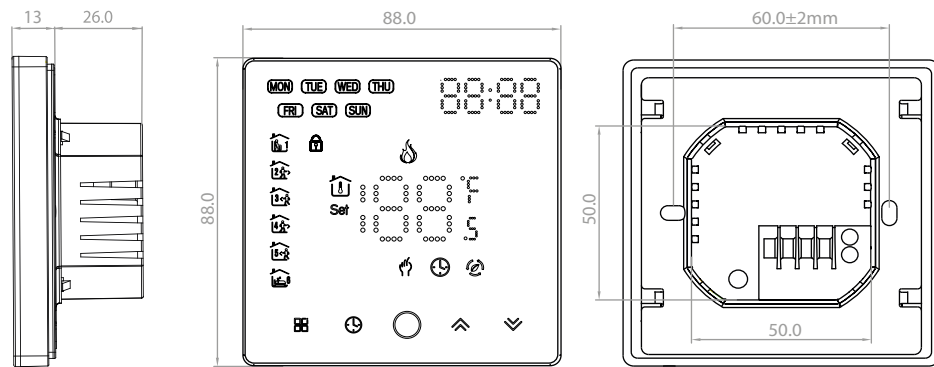
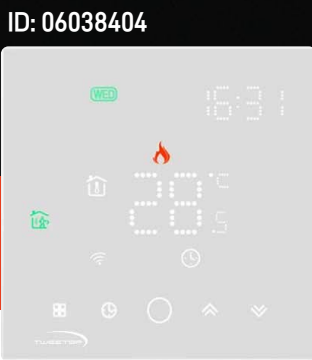
Max. medium temperature (continuous):	45°C
Rated voltage:	230V 50/60Hz
Rated current:	3A
Degree of protection (IP):	IP20
Net weight:	250g
Gross weight:	280g
Temperature range:	5 - 35°C
Relay type:	voltage-free



TSH 001



TSH 002



Thermal actuator

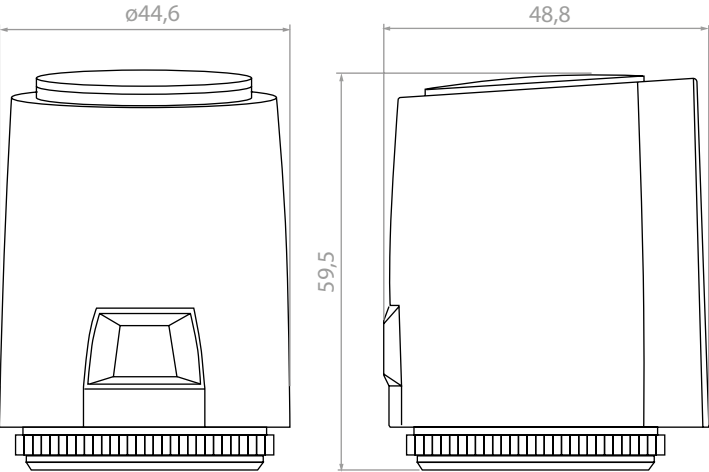
for underfloor heating manifold is designed to control the heating system. It can be used with valve inserts in the manifold or with zone valves. Allows the opening or closing of the flow of the heating medium in the loop, providing control over temperature. Works directly with the controller or indirectly via a control strip. Comes with a separate adapter screwed onto the manifold bar or zone valve.

Thread size: M30 x 1.5mm
 Supply: 230V AC 50Hz
 Power consumption: 2W
 Starting current: 300mA / 200ms
 Thrust: 100N +/- 15%
 Max. stroke: 4.5mm
 Storage temperature: -25°C do +60°C
 Ambient temperature: maks. 60°C
 Protection class: IP 54/II
 Cable length: 90cm

ID: 06038430



TSH 30 NC STANDARD



Operating instructions



tweetop.com/TSH 30 NC STANDARD

Intelligent central linkage controller

Power supply: 230V AC 50Hz
 Max. load: 9(1)A
 Outputs: pump (230V-3A) boiler (NO/COM) actuators (230V)
 Net weight: 500g
 Gross weight: 550g
 Delay function: 0~30~45~60~120s (pompa i kocioł)

designed for the control of surface heating (8 zones). Allows convenient connection of wired temperature controllers and actuators. It has a built-in control module for the heating device and circulation pump. TSH L800 regulates room temperature by closing or opening the flow through heating loops with the use of thermoelectric actuators connected to the strip and mounted on the manifold.

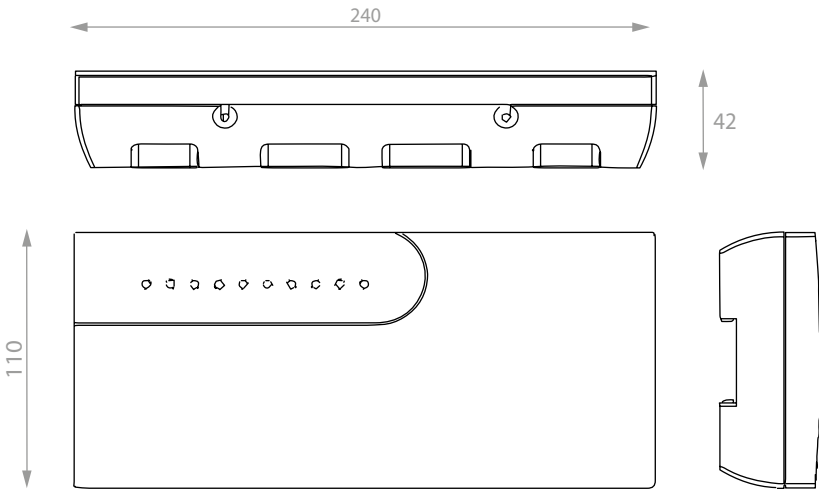
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Operating instructions



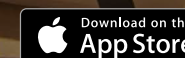
tweetop.com/TSH L800



Flush-mounted thermostat

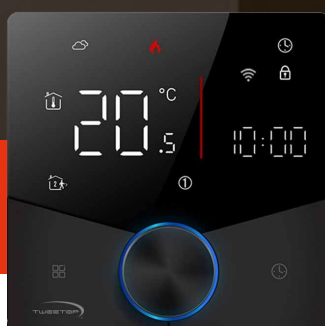
designed to control the temperature of an individual heating zone of a water surface heating system, electric mats or a direct connection of a heating appliance. The controllers operate in daily, weekly or manual mode. By working with the Smartlife mobile app, you can create a comprehensive smart home ecosystem.

Search for 'Smartlife' in the Apple Store or Google Play and carry out account registration and installation according to the instructions in the app.



Max. medium temperature (continuous):	45°C
Rated voltage:	230V 50/60Hz
Rated current:	3A
Degree of protection (IP):	IP20
Net weight:	250g
Gross weight:	280g
Temperature range:	5 - 35°C
Relay type:	beznapięciowy

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ID: 06038416



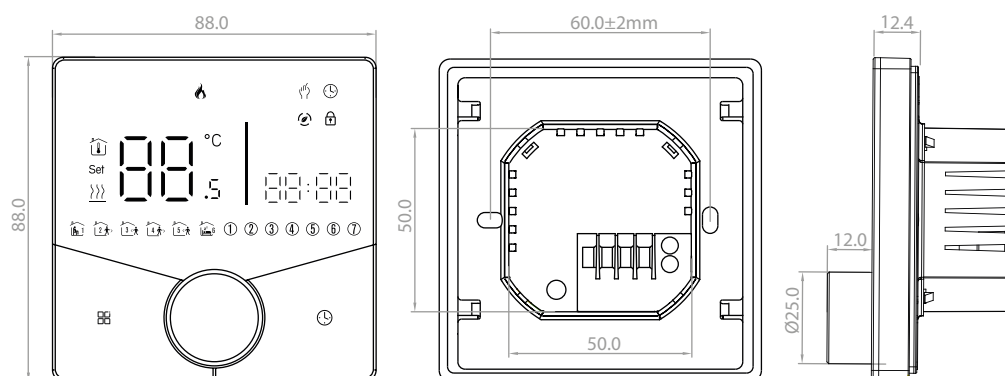
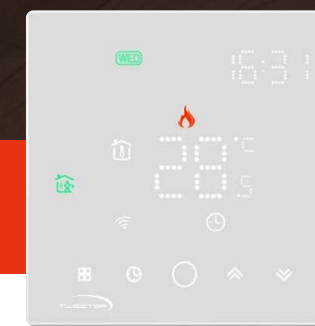
TSH 001 WIFI

TSH 002 WIFI

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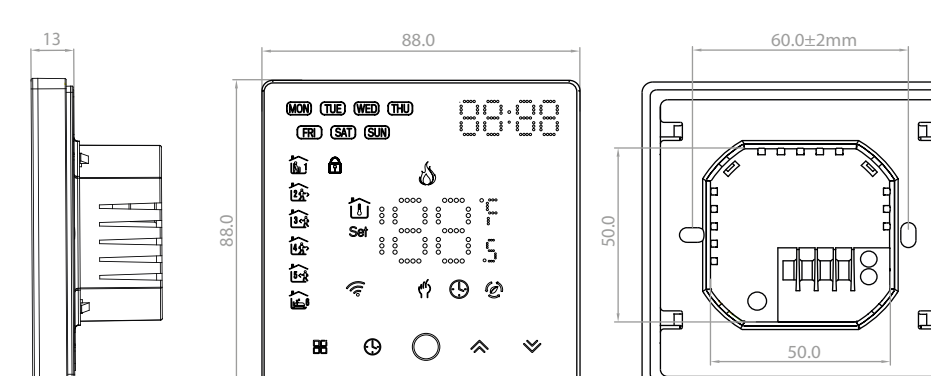
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Operating instructions



tweetop.com/TSH001



Operating instructions



tweetop.com/TSH002

Radiator thermostat

is used to control and monitor the temperature in heated rooms with radiators of any type. Thanks to the built-in weekly schedule, we can precisely control the desired temperature during the day, as well as on different days of the week. The head can work independently with the thermostat. We can also control the temperature from the app with the TSH B100 web gateway. The head is equipped with adaptors to fit any type of thermostatic insert.

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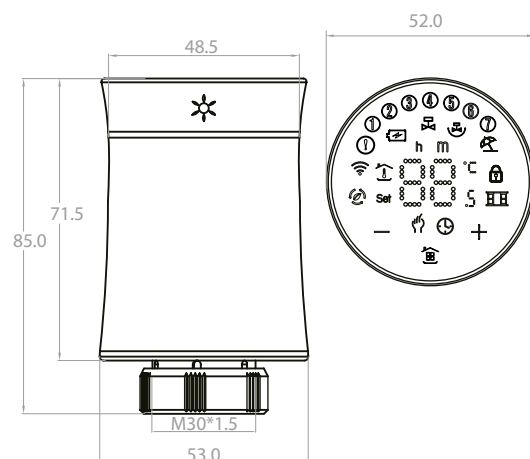
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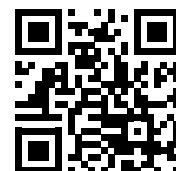


TSH G400 ZIGBEE



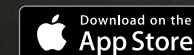
Power supply: 3V, 2xAA(batteries)
 Max. stroke: 4,5mm
 Accuracy: $\pm 0.5^{\circ}\text{C}$
 Degree of protection: IP20
 Temperature setting range: 5~45°C
 Temperature display range: 0~70°C
 Temperature display error: < 1%
 Buttons: touch

Operating instructions



tweetop.com/GTSH400

Search for 'Smartlife' in the Apple Store or Google Play and carry out account registration and installation according to the instructions in the app.



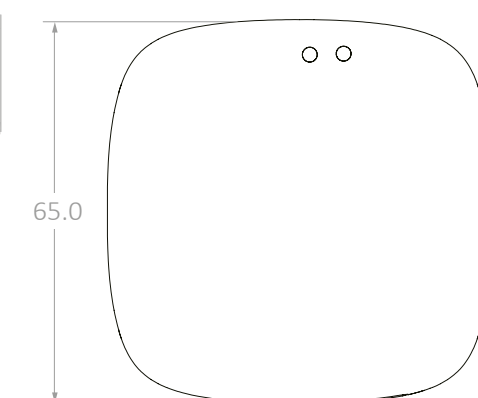
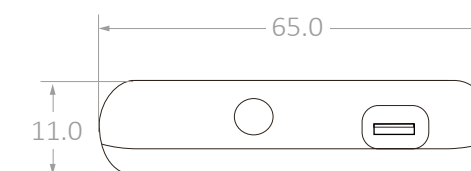
Wireless smart gateway

is the main component needed to build a smart home system based on devices that will communicate using the ZigBee 3.0 data transmission protocol. The gateway collects data from all sensors, controllers, actuators or other system components connected to it. It is also responsible for the stability of rules and scenarios in the ZigBee network even when there is temporarily no internet access. This is why ZigBee systems are recommended when operational reliability is important and you want to ensure that a controller, relay or opening sensor will work when there is no internet access. The universal gateway connects to the internet (router) via a 2.4GHz WiFi network. The device works with the Tuya Smartlife app, where it is possible to make connections between ZigBee and app-compatible Wi-Fi devices and create mutual scenarios.

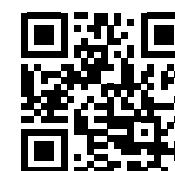
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TSH B100 ZIGBEE



Operating instructions



tweetop.com/TSHB100

Room thermostat

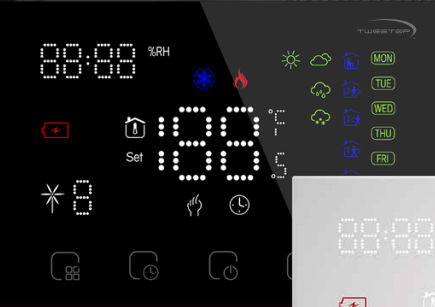
TSH-100 is a wired room thermostat with battery power supply. We can connect it to an underfloor heating control strip as well as directly to a heat source such as a gas boiler. This thermostat allows us to control electric, gas and water heating, but also the underfloor heating circulation pump. It has a built-in floor or radiator algorithm. The TSH 100 ZIGBEE version additionally allows us to control the temperature from the application level using the TSH B100 internet gateway, or to control multiple TSH G400 thermostatic heads in the wireless version.

Search for 'Smartlife' in the Apple Store or Google Play and carry out account registration and installation according to the instructions in the app.



Power supply:	2xAA(baterries)/USB
Energy consumption:	<1,5W
Temperature setting accuracy:	± 0.5°C
Degree of protection (IP):	IP20
Temperature reading error:	< 1%
Operating/temperature range:	0~45°C
Relative humidity:	5~95% (non-condensing)
Material:	PC+ABS (flame resistant)

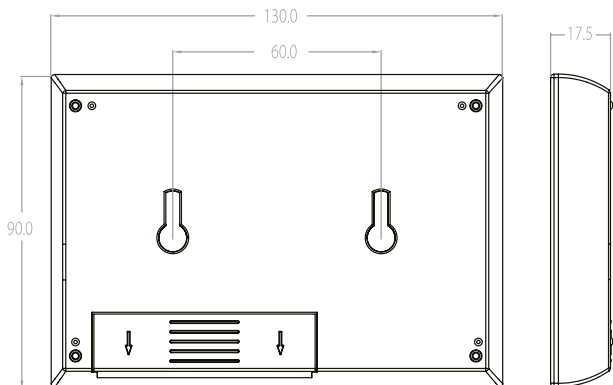
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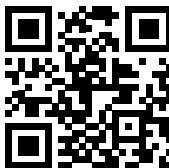
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TSH 100



Operating instructions



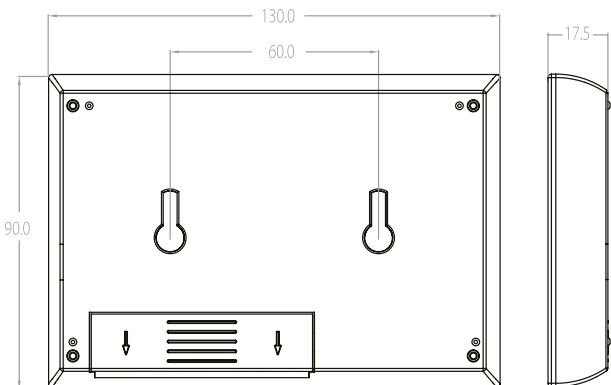
tweetop.com/TSH100

TSH 100 ZIGBEE

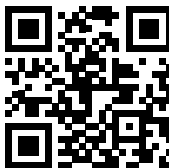


ID: 06038453

ID: 06038454



Operating instructions



tweetop.com/TSH100

Room thermostat

TSH100 RF and TSH100 RF WIFI is a wireless room thermostat with battery power. We can connect it directly to a heat source such as a gas/electric boiler. This thermostat allows us to control electric heating (mats, foils), but also the heating pump. It has a built-in floor or radiator algorithm. The TSH 100 RF WIFI version additionally allows us to control the temperature from the app without the use of additional devices.

Search for 'Smartlife' in the Apple Store or Google Play and carry out account registration and installation according to the instructions in the app.

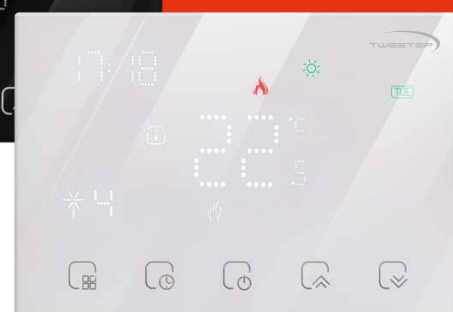


RECEIVER	Power supply:	95-240V
	Accuracy:	± 0.5°C
	Degree of protection:	IP20
	Max. load:	5A(water heating/water boiler/gas boiler -battery power supply)
	Type of installation:	wall-mounted
DISPLAY	Power supply:	2xAA(baterries)/USB
	Energy consumption:	<1,5W
	Temperature reading error:	< 1%
	Operating/temperature range:	0~45°C
	Relative humidity:	5~95% (non-condensing)
	Material:	PC+ABS (flame resistant)

ID: 06038455



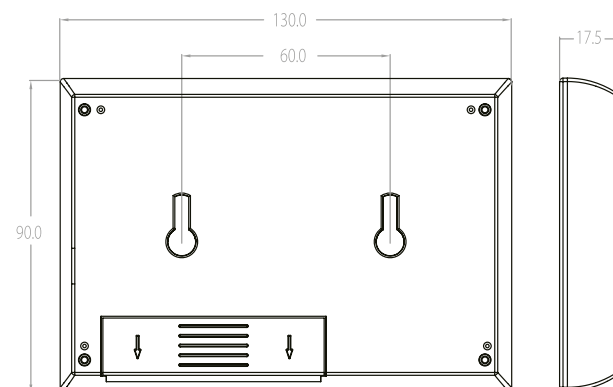
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TSH 100 RF



DISPLAY



Operating instructions



tweetop.com/TSH100

TSH 100 RF WIFI



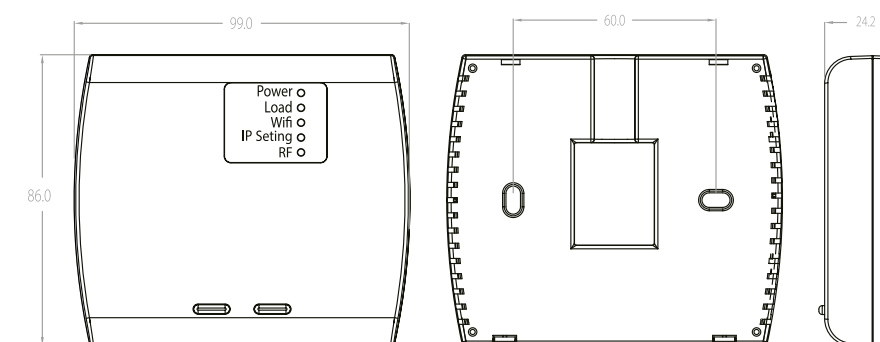
RECEIVER



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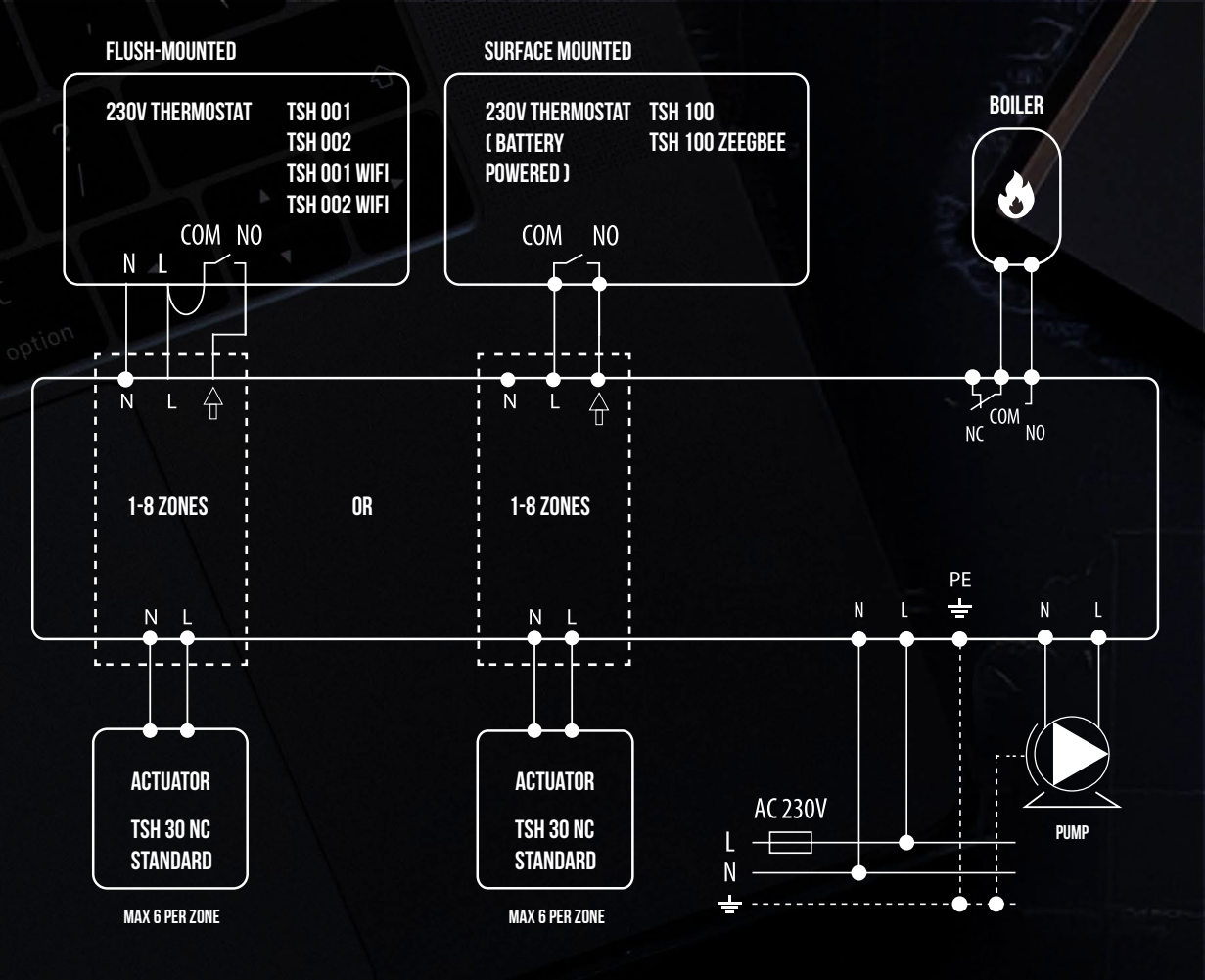


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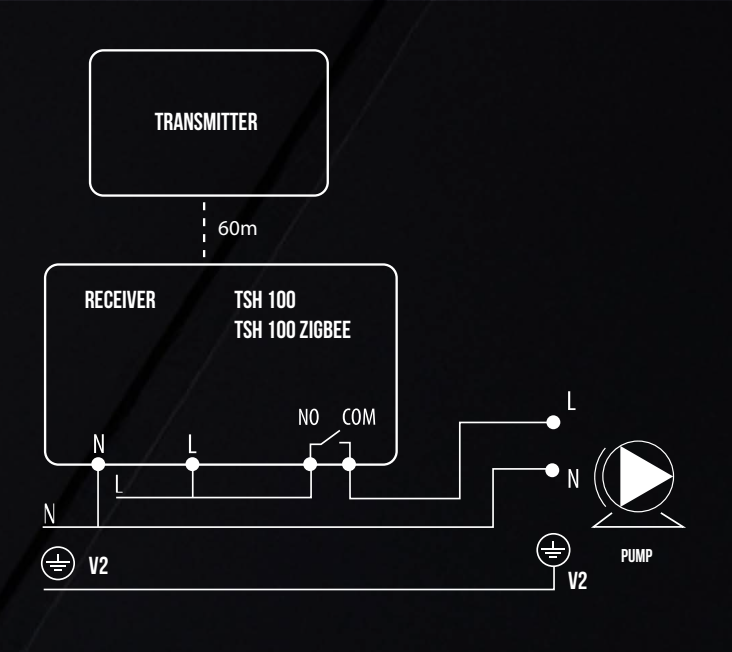


CONNECTION DIAGRAMS

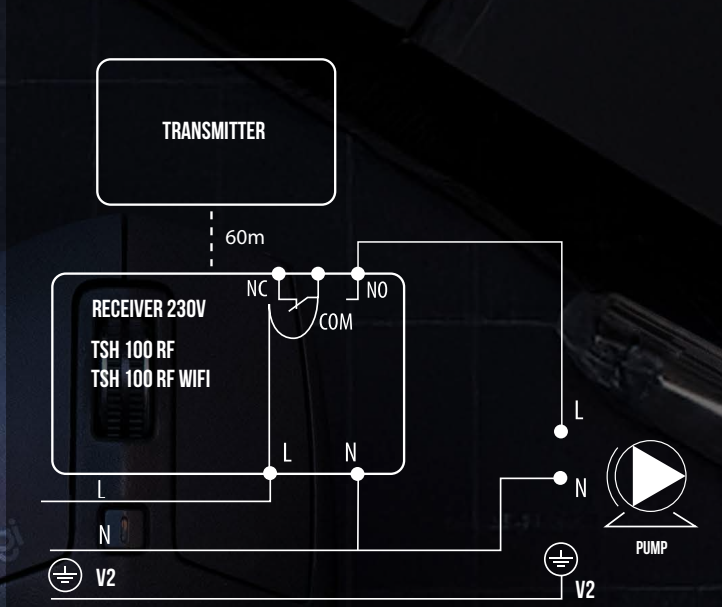
THERMOSTATS —> INTELIGENT CENTRAL LINKAGE CONTROLLER



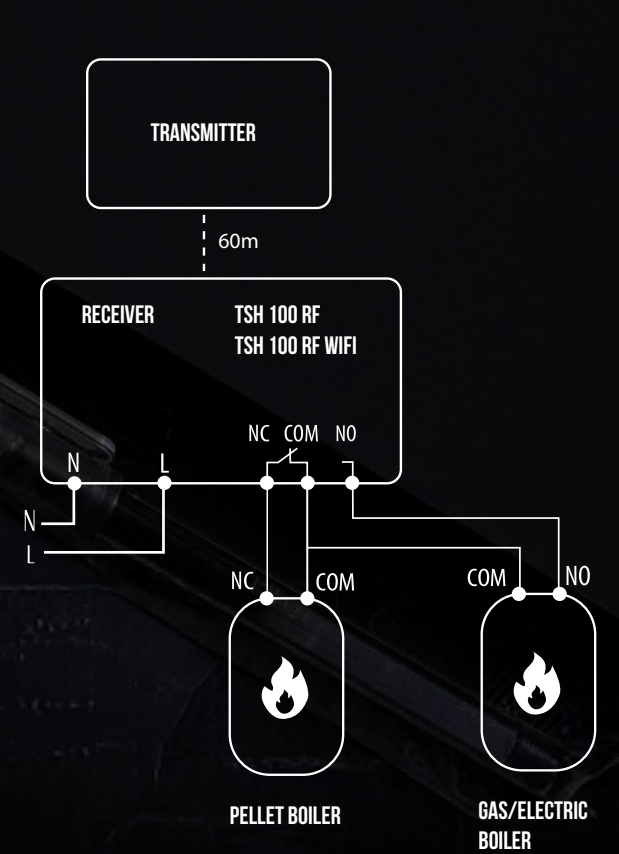
THERMOSTATS —> PUMP



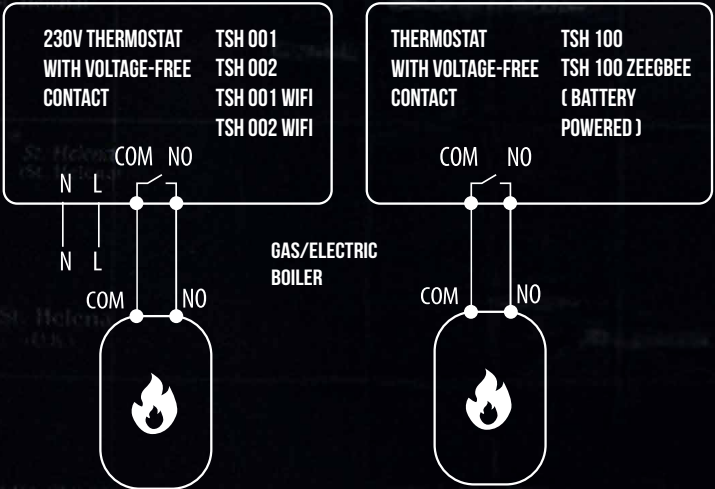
THERMOSTATS RF —> PUMP



THERMOSTATS RF —> BOILER



THERMOSTATS —> BOILER





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