

9564W

“TIEMME GATE”

TEMPERATURE CONTROL SYSTEM & WI-FI COMMUNICATION

WI-FI ELECTRONIC THERMOSTATIC HEAD



DESCRIPTION

The temperature control system with Wi-Fi **TIEMME GATE** communication is able to manage, either locally or remotely via App, the room temperature, ensuring the comfort desired by the user throughout the day.

The main element of the system is the Wi-Fi electronic thermostatic head Art. **9564W**, which measures room temperature and through continuous communication with the **TIEMME GATE** application, controls and manages the radiator it is installed on.

The Ambient Probe Art. **9564ST** to be installed in case the position of the thermostatic head does not guarantee the correct temperature measurement, and the system relay Art. **9564RS** to control the heat generator through a clean contact or through the OpenTherm® transmission bus complete the system.

The free **TIEMME GATE** app, available for iOS and Android systems, allows programming and complete control of the entire plant from your smartphone or tablet, in addition it can also be managed through recent voice-controlled Home Automation systems such as Google Home or Amazon Alexa.

ADVANTAGES / STRENGTHS

- Programming and control via the free **TIEMME GATE** app available for iOS and Android systems;
- No external gateways required (in addition to home router);
- Simple to install and easy to use;
- Saves energy;
- Weekly programming;
- Easy-to-read backlit display;
- Self-learning system for use with multiple manufacturers of radiator valves;
- Child lock;
- Holiday Program;
- Complete communication with voice-controlled Home Automation systems such as Google Home or Amazon Alexa

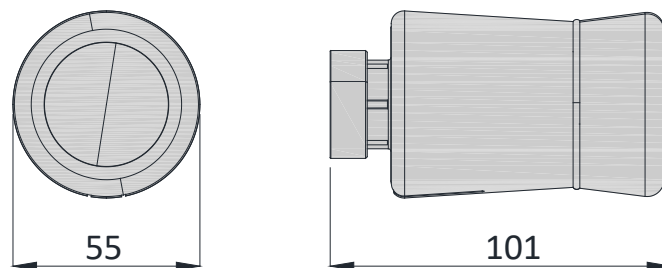
PRODUCT RANGE

Art.	Code	Power supply	Colour	Communication
9564W	955 0052	Battery operated	White	WI-FI

TECHNICAL SPECIFICATIONS

- Power supply: 2 batteries 1.5 V AA type (2 season duration)
- Operation: Off, Manual, Automatic
- Weekly programming with 3 settable temperatures: T1, T2, T3
- Daily resolution: 1 hour
- Measured temperature scale: 0 °C ÷ + 50 °C with ± 0.5 °C accuracy
- Temperature resolution measured and displayed: 0.1°C
- Temperature adjustment range: + 6 °C ÷ + 28 °C
- Anti-freeze adjustment range: + 2 °C ÷ + 8 °C (default + 6 °C)
- Temperature regulation: Proportional on PID basis (default) or ON/OFF (differential can be set between 0.1°C and 1°C - default 0.3°C)
- Thermostatic head programming lock (Child lock)
- Temperature can be adjusted directly on the thermostatic head
- Radiator valve fitting: M30X1,5
- Adapters available for M28X1.5 valve fitting, Caleffi and Giacomini
- Direct communication via home Wi-Fi
- Operating frequency band: 2.4 GHz IEEE 802.11 b/g/n
- Protection rating: IP30
- Storage temperature: + 10 °C ÷ + 65 °C

DIMENSIONAL SPECIFICATIONS



Dimensions in mm.

OPERATION

The TIEMME GATE system enables advanced and intelligent management of the traditional heating system with radiators by means of the electronic thermostatic heads Art. **9564W** controlled directly by the TIEMME GATE application through Wi-Fi communication generated by the home router without passing through an additional gateway.

In fact, each individual electronic thermostatic head has within it a small gateway capable of dialog directly with the TIEMME GATE cloud containing all the instructions necessary for the operation of the domestic system.

If there is no Internet signal, the head will continue to operate for 24 hours according to the instructions prior the failure. After this time the head goes back into manual function. Upon the restoration of communication, the head Art. **9564W** re-aligns with information in the TIEMME GATE cloud.

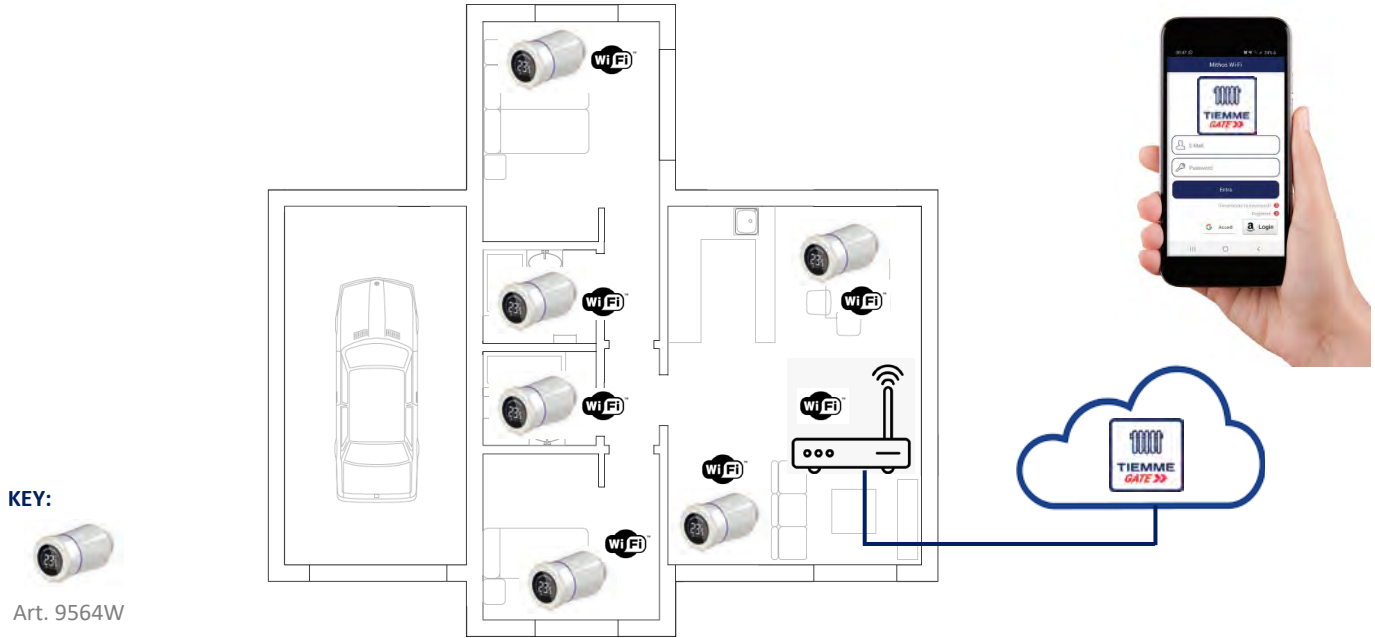
If the position of the thermostatic head is such that the ambient temperature setting can be falsified (e.g. behind the curtains or under the reflector brackets), the ambient probe Art. **9564RS** can be installed inside the room to be regulated.

If you want to switch the heat generator on or off depending on the heat demand from the radiators, a smart system relay with a clean contact or, alternatively, an OpenTherm® communication bus can be combined with the entire system.

OPERATION DIAGRAM - CENTRAL SYSTEM

Control of a condominium system without activation of the heat generator (central generator).

In this way, the user can decide for himself the time slots and the temperatures of his own rooms in complete freedom simply by combining the electronic thermostatic heads Art. 9564W to his Wi-Fi network.



OPERATION DIAGRAM - STANDALONE SYSTEM

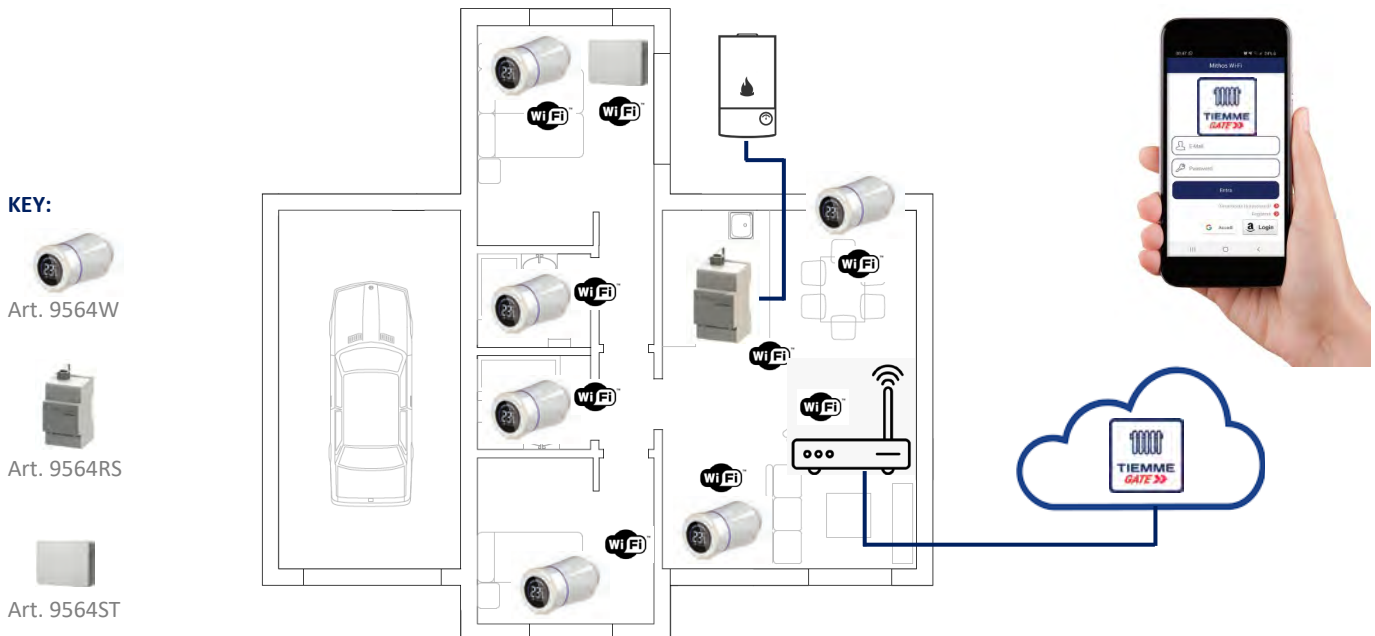
Setting up a standalone system with the activation of the heat generator.

In this way, the user, in addition to deciding the time slots and the temperatures of his own rooms, can switch on/off the heat generator according to the actual demand of the system by using the system relay Art. 9564RS which can communicate with the generator via a relay contact or via the OpenTherm® communication bus.

This optimizes switch-on times while saving energy and therefore energy bills.

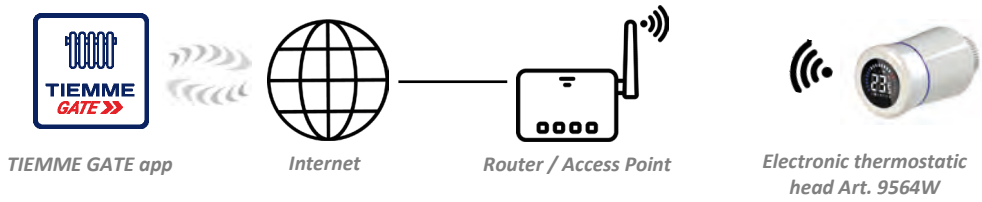
Like thermostatic heads, the system relay communicates directly with the TIEMME GATE application through the Wi-Fi in his own home.

The example also shows the application of the accessory ambient probe Art. 9564ST in a room with the function of remoting the temperature reading of the electronic thermostatic head.



CONTROL AND REMOTE MANAGEMENT THROUGH THE “TIEMME GATE” APP

The integrated Wi-Fi module allows you to control the thermostatic head remotely with your smartphone. Simply connect your device to your home router and install the TIEMME GATE app on your smartphone, which is available free of charge for iOS and Android devices.



Once you have created your account, you can access several menus that allow you to:

- Create and manage one or more homes;
- Create and manage rooms for each home;
- Combine one or more electronic thermostatic heads with each room;
- Associate an ambient probe for temperature reading with each room;
- Match the system relay to each system (if required);
- Switch the heating system on or off as required;
- Create and change weekly programs and settings;
- Change the set operating temperatures (T1, T2, T3);
- Set the holiday days on which the system remains at a fixed temperature pre-set by you;
- Check the status of each room;
- Manage several chronothermostats (assigned with identification labels) within a house and several houses at the same time;
- Communicate with your system through Google Home and Amazon Alexa voice assistants.



TIEMME RACCORDERIE S.p.A. declines all responsibility in case of failures and/or accidents resulting from the non-compliance with these indications and from improper use of the system. The information shown does not exempt the user from scrupulously following current legislation and standards of good practice. See the instruction manual supplied with the product for more details.

ACCESSORIES FOR THE "TIEMME GATE" SYSTEM

Art. 9564ST

Wi-Fi Ambient Probe



Wi-Fi ambient probe to be installed in case the position of the electronic thermostatic head does not allow a correct measurement of the ambient temperature.

- Power supply: 2 batteries 1.5 V AA type (2 season duration)
- Wall or flush-mounted device type 503 (3 modules)
- Measuring range: 0 °C ÷ + 50 °C
- Direct communication via home Wi-Fi
- Operating frequency band: 2.4 GHz IEEE 802.11 b/g/n
- Storage temperature: + 10 °C ÷ + 65 °C
- Dimensions (LxHxP) 120 x 80 x 20 mm

Art. 9564RS

Wi-Fi system relay



Wi-Fi system relay for activating or deactivating the heat generator (boiler/heat pump) by means of an ON/OFF type relay contact or by means of an OpenTherm® intelligent transmission bus.

- Power supply: 85 ÷ 230 Vac 50/60 Hz
- DIN-bar fixing (2 modules)
- Direct communication via home Wi-Fi
- Operating frequency band: 2.4 GHz IEEE 802.11 b/g/n
- Contact flow relay output: 5 A 230 Vac
- OpenTherm® type boiler control

ITEM SPECIFICATIONS

Art. 9564W

Wi-Fi electronic thermostatic head for thermostatically adjustable radiator valves, remotely programmable via the free TIEMME GATE app available for iOS and Android systems.

Power supply: 2 AA batteries. Weekly programming with 3 settable temperatures: T1, T2, T3. Daily resolution: 1h. Temperature range: +6 °C ÷ + 28 °C. Temperature regulation: Proportional (PID) or on/off (differential can be set between 0.1°C and 1°C - default 0.3°C). Operating mode: off/manual/automatic. Direct communication over home Wi-Fi. M30X1.5 radiator valve fitting with possibility of adapters for M28X1.5 valve fitting, Caleffi and Giacomini.

Art. 9564ST

Remote programmable Wi-Fi ambient probe via free TIEMME GATE app available for iOS and Android systems.

Power supply: 2 AA batteries. Wall or flush-mounted device type 503 (3 modules). Measuring range: 0°C ÷ + 50°C. Direct communication over home Wi-Fi.

Art. 9564RS

Remote programmable Wi-Fi system relay via TIEMME GATE free app available for iOS and Android systems.

Power supply: 85 ÷ 230 Vac 50/60 Hz. DIN-bar fixing (2 modules). Relay output with 5 A contact capacity. OpenTherm® bus boiler communication possible. Direct communication via home Wi-Fi.