

Rti-Tek | Innotech

# PRODUCT CATALOG

Smart Home  
Energy Saving & Comfortability



# Rti-Tek

## Smart Energy-Saving Solutions Supplier

Rti-Tek is a trusted innovator in the HVAC industry, utilizing Internet of Things (IoT) and Artificial Intelligence (AI) technologies to improve building energy efficiency. We are committed to contributing to a more comfortable and sustainable future for homes and businesses around the globe.

### About us

#### Advanced Technology

We hold over 70 patents that support our R&D efforts.

#### Trusted Quality

Our facilities maintain ISO9001, ISO14001, and BSCI certifications, while our products comply with CE and RoHS standards to ensure quality assurance.

#### Tailored Services

We provide flexible OEM and ODM solutions tailored to your specific needs.

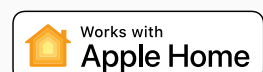
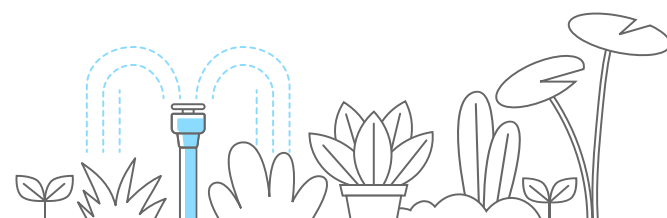
#### Reliable Connectivity

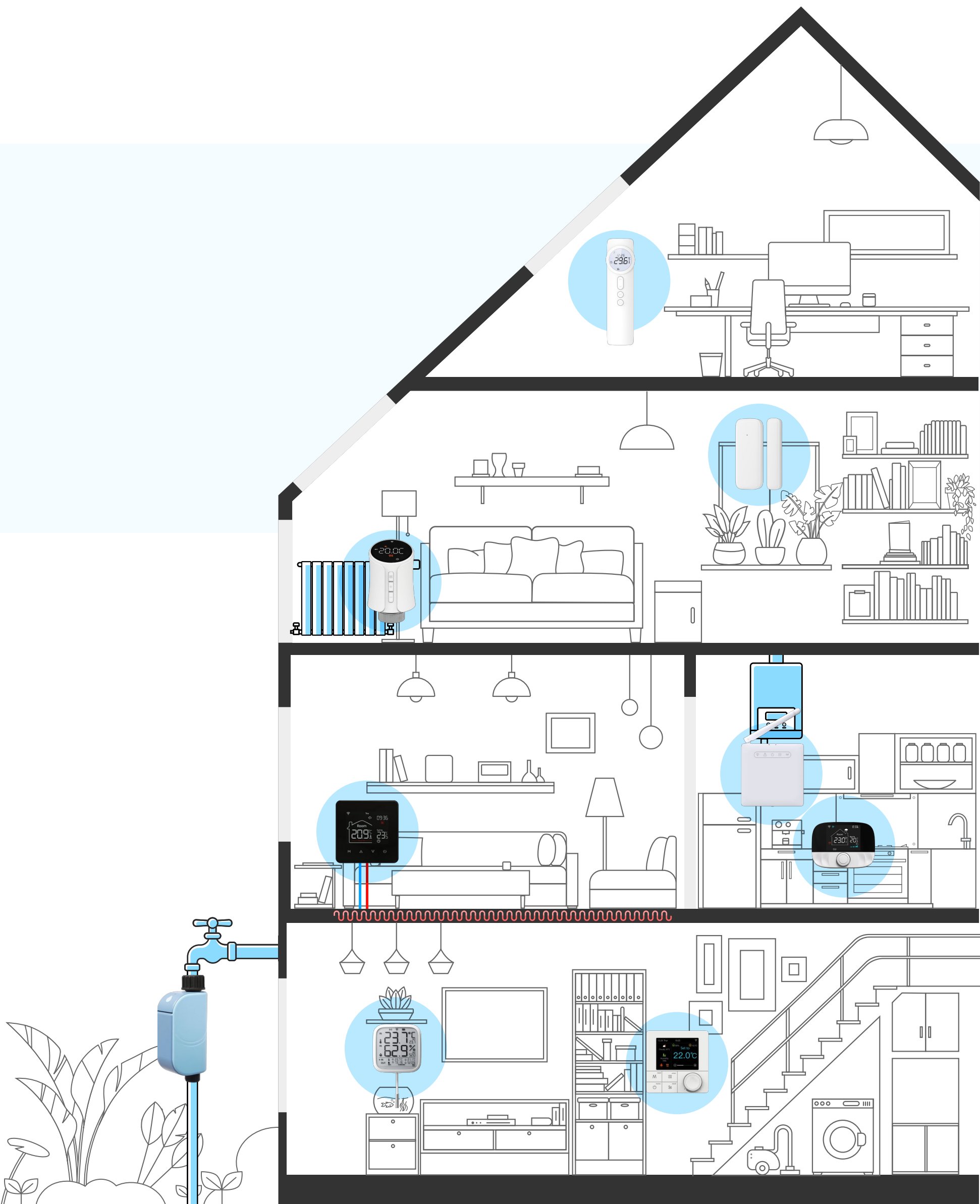
We integrate low-power protocols like Zigbee, BLE, Wi-Fi, and Matter with smart algorithms for efficient applications.

#### Global Reach

Rti-Tek serves over 50 countries and millions of users, leading innovations in energy management.

### Partners





works with alexa

works with Yandex Alice

works with Smart Life

tuya

matter

zigbee

Bluetooth

WiFi

## Smart Thermostats for Underfloor Heating

1-4



## Smart Thermostats with Battery Powered

5-6



## Smart Thermostats for Fan Coil Unit

7-10



## Smart Fan Coil Thermostats for Easy Installation

11-12



## RF433 Wireless Thermostats Set for Gas Boiler Heating

13-16



## Smart Thermostatic Radiator Valves for Radiator Heating

17-20



## Wireless Smart Thermometer & Hygrometer

21



## Smart Door & Window Sensors

22





## Smart Socket Thermostats for Heating & Cooling

23-26



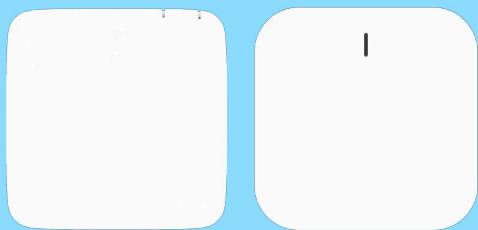
## Smart Water Timers

27-28



## Smart Zigbee & BLE Gateway/ Hubs

29



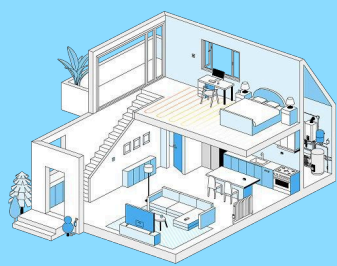
## Smart HVAC Control Panel

30



## Smart Home Energy Saving & Comfortability

31-32



## More Products

33-42





## Smart Thermostats for Underfloor Heating

This smart thermostat is designed for underfloor heating systems, offering options for electric, water, and gas boiler heating. It is suitable for recessed mounting in both homes and offices.

### Specifications

Power Supply: AC100~240V; 50/60Hz

Current Load: 16A (Mode 716) / 3A (Mode 703/723)

Power Consumption: 1.5W Max

Display Accuracy: 0.1°C

Temperature Control Accuracy: 0.5°C

Temperature Control Range: 5~95°C

Ingress Protection: IP20

Materials: PC + ABS

Sensor: NTC, B=3380, R25=10KΩ±1%  
(external NTC optional)

Safety Certification: CE, RoHS

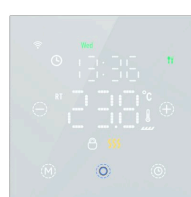
#### Model: V8W

Dimensions(W×H×D): 86 × 86 × 43 mm

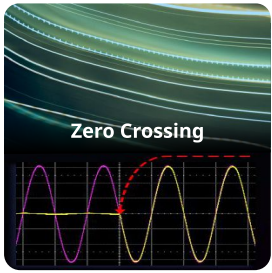
Installation: Flush-mounted

Panel Standard: 86-type

Hole Distance: 60 mm

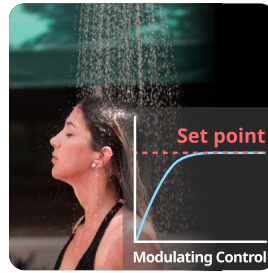


# Features



## Zero-Crossing Detection

Extends equipment lifespan, reduces energy consumption, and ensures safety and stability



## OpenTherm Protocol

Supports OpenTherm protocol for efficient heating control



## Precision Temperature Control

Display accuracy of 0.1°C and control precision of ±0.5°C for accurate temperature management



## Multiple Screen Options

Offers TN, VA, LED, and IPS screen options to meet various needs

Weekly Programming	Automatic Control	Remote Control	Voice Control	Localized Control
Dual-Temp. Display	Real-Time Weather	Antifreezing Function	Child-lock Function	Power-off Memory

Scenario	Floor Heating					
	Water		Gas Boiler		Electric	
System mode						
Model	703	703S	723	723S	716	716S
Wi-Fi	✓	✓	✓	✓	✓	✓
Schedule	✓	✓	✓	✓	✓	✓
Passive Linkage	—	—	✓	✓	✓	—
485 modbus	—	✓	—	✓	—	✓
NTC	Optional				10K	Optional
Output load	3A				16A	16A

--	--	--	--	--

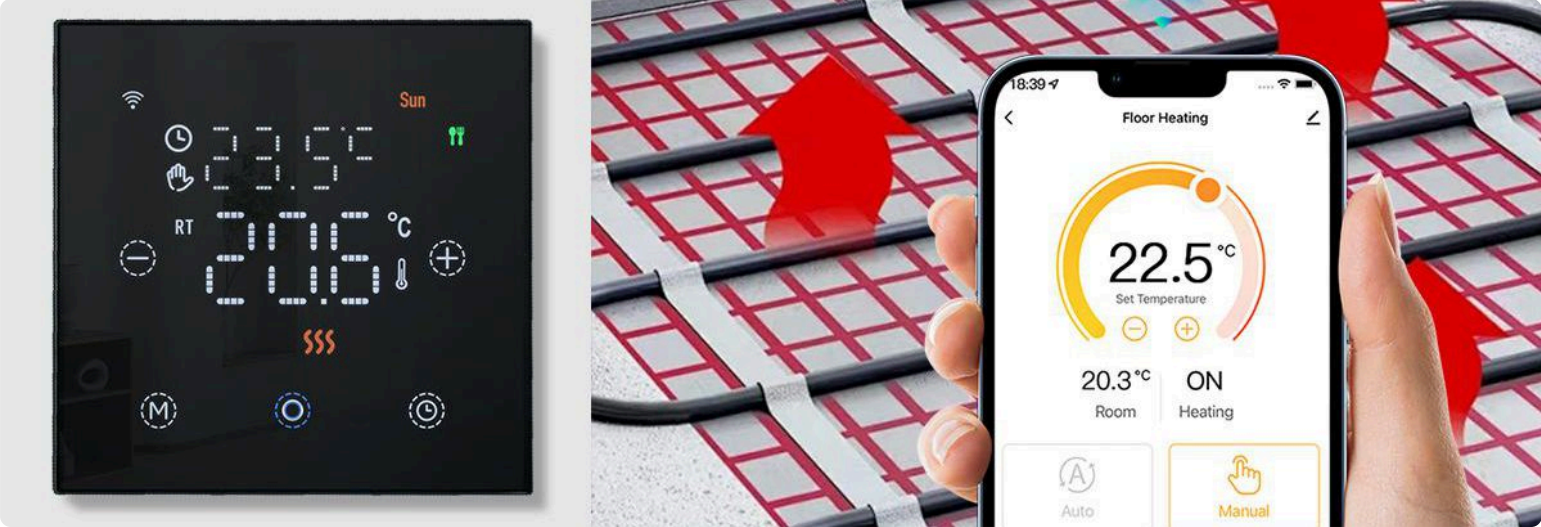
--	--	--	--	--



# Underfloor Heating

Smart Temperature Control

## Electric Underfloor Heating



## Water Underfloor Heating



## Gas Boiler Control



Passive Control

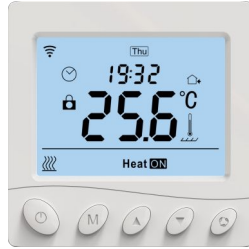


OpenTherm Protocol Support

# Underfloor Heating ID Choices



R9MW



R3W



R5W



R53W



R7W



R6W



V4W



V8W



R9W



R7C



R8C

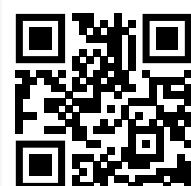


R8W

## More product information

Please scan the QR code or visit the website:

<https://go.rti-tek.org/heating>







## Smart Thermostats with Battery Powered

This smart thermostat is crafted for surface-mounting and runs on battery power, making it ideal for modern homes that require flexible layouts and greater convenience.

### Specifications

Power Supply: 2 x1.5V Alkaline AA batteries  
Display Accuracy: 0.1°C  
Temperature Control Accuracy: 0.5°C  
Temperature Control Range: 5~95°C  
Ingress Protection: IP20  
Materials: PC + ABS  
Sensor: NTC, B=3380, R25=10KΩ±1%  
Safety Certification: CE, RoHS

#### Model: T5

Dimensions(W×H×D): 86 x 90 x 20.8 mm  
Installation: Surface-mounted  
Panel Standard: 86-type  
Hole Distance: 60 mm



# Features



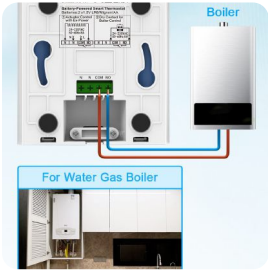
## Battery-Powered

No wiring required, offering flexible installation options



## Easy Surface Mount

Surface mount design for quick installation and easy access



## Flexible Boiler Control

Optional versions supports both active and passive control for gas boilers



## Multiple Heating Options

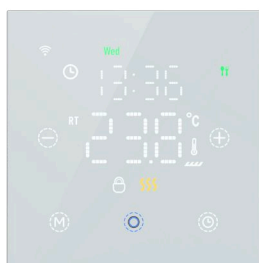
Optional configurations include electric underfloor heating, water underfloor heating, or gas boilers to accommodate various requirements

 Weekly Programming	 Automatic Control	 Remote Control	 Voice Control	 Localized Control
 Dual-Temp. Display	 Real-Time Weather	 Antifreezing Function	 Child-lock Function	 Power-off Memory



V3BW



V8BW



V9BW



T5

## More product information

Please scan the QR code or visit the website:

<https://go.rti-tek.org/H-B-P>







## Smart Thermostats for Fan Coil Unit

This flush-mounted thermostat controls air conditioning fan coil units, offering options for two-pipe and four-pipe systems, as well as integrated underfloor heating and air conditioning systems.

### Specifications

- Power Supply: AC100~240V; 50/60Hz
- Current Load: 3A
- Power Consumption: 1.5W Max
- Display Accuracy: 0.1°C
- Temperature Control Accuracy: 5~95°C
- Ingress Protection: IP20
- Materials: PC + ABS
- Sensor: NTC, B=3380, R25=10KΩ±1%
- Safety Certification: CE, RoHS

### Model: R7C

- Dimensions(W×H×D): 86 × 86 × 43 mm
- Installation: Flush-mounted
- Panel Standard: 86-type
- Hole Distance: 60 mm

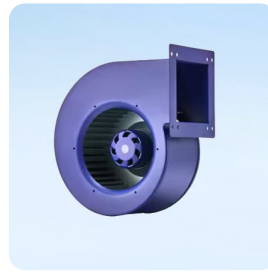


# Features



## Fan Speed

Supports high, medium, and low options



## 0-10V Control

Supports 0-10V signal transmission, provides precise temperature control and energy savings













## Modbus 485

Utilizes Modbus protocol with RS-485 communication for multi-device connectivity and data transfer



## Temperature and Humidity

Monitors temperature and humidity in real-time for optimal comfort

 Automatic Control	 Various Form Factors	 Voice Control	 Localized Control	 Dual-Temp. Display
 Child-lock Function	 Power-off Memory	 Remote Control	 Real-Time Weather	 Antifreezing Function

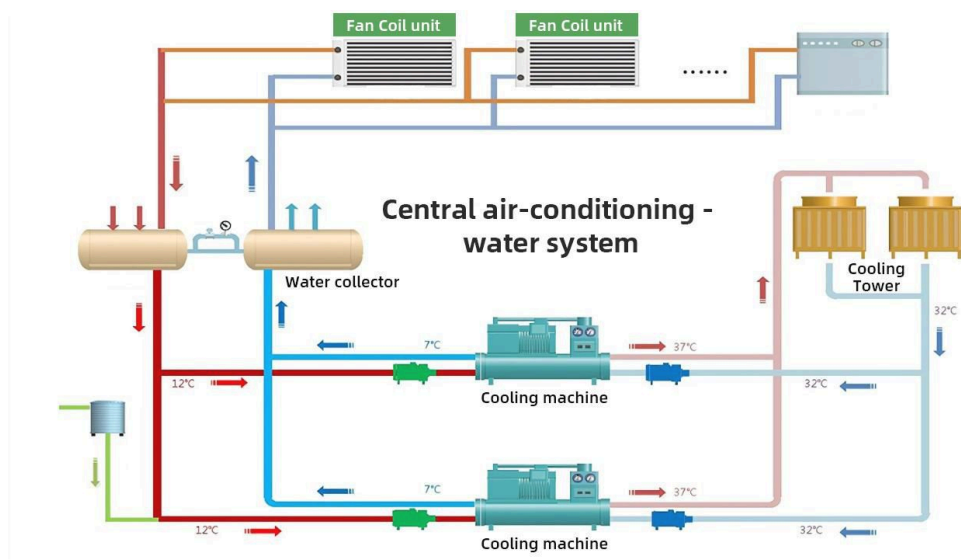
Scenario	Fan Coil					Integrated	
	2-pipe			4-pipe		Fan-Coil with Floor-Heating	
Model	743	853	853S	863	863S	963	963S
Wi-Fi	✓	✓	✓	✓	✓	✓	✓
Schedule	—	—	—	—	—	✓	—
Time Task	✓	✓	✓	✓	✓	✓	✓
Fan control	✓	✓	✓	✓	✓	✓	✓
Passive Linkage	—	✓	✓	✓	✓	✓	✓
485 modbus	—	—	✓	—	✓	—	✓
NTC	—	Optional		Optional		Optional	
Output load	3A			3A		3A	



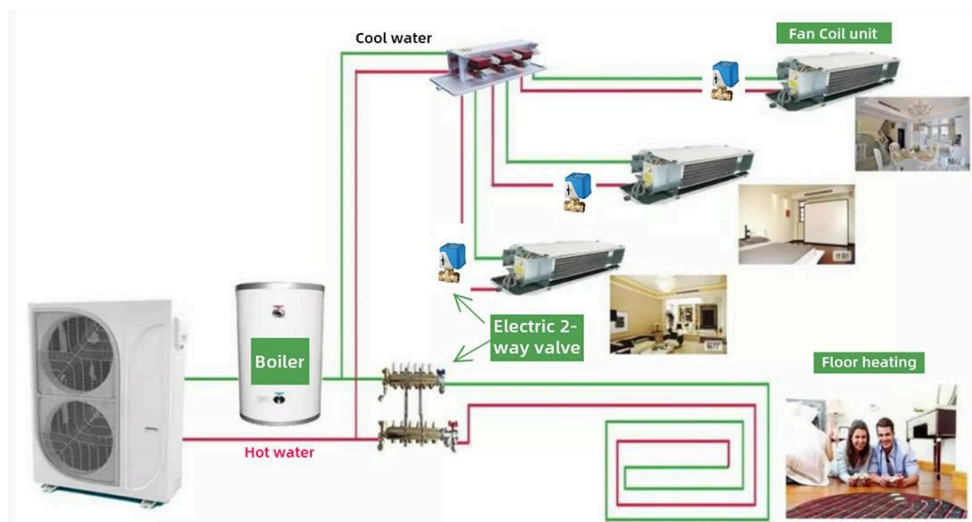
# Air Conditioning

Fan Coil Control

For Two-pipe System



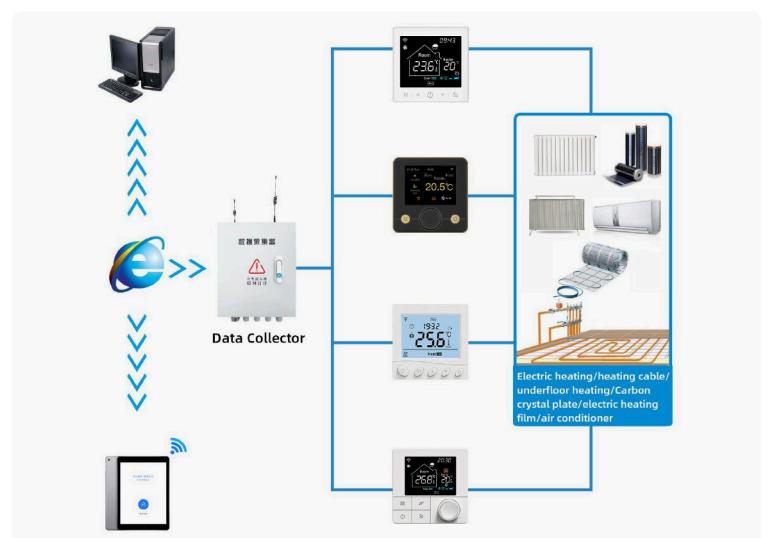
For Four-pipe System



Linkage Control



Passive Control



Supported Modbus 485



## Air conditioning

### ID Choices



R9W



R3W



R7C

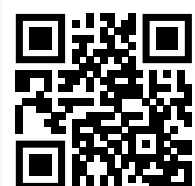


R8C

### More product information

Please scan the QR code or visit the website:

<https://go.rti-tek.org/AC>





# Smart Fan Coil Thermostats for Easy Installation

This wall-mounted type thermostat controls air conditioning fan coil units and works with various HVAC systems, offering flexibility for modern homes with adaptable layouts.

## Specifications

Power Supply: AC100~240V; 50/60Hz

Current Load: 3A

Power Consumption: 1.5W Max

Display Accuracy: 0.1°C

Temperature Control Accuracy: 0.5°C

Temperature Control Range: 5~95°C

Ingress Protection: IP20

Materials: PC + ABS

Sensor: NTC, B=3380, R25=10KΩ±1%  
(external NTC optional)

Safety Certification: CE, RoHS

**Model: EBD1**

Dimensions(W×H×D): 104 x 104 x 32 mm

Installation: Surface-mounted

Panel Standard: 86-type

Hole Distance: 60 mm



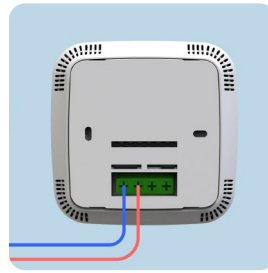


# Features



## Fan Speed

Supports High, Medium, and Low options



## Easy Surface Mount

Surface mount design for quick installation and easy access













## Temperature Control

Efficient cooling and heating temperature management for comfort in all seasons



## ECO Mode

Activates energy-saving mode with a single press

 Automatic Control	 Various Form Factors	 Voice Control	 Localized Control	 Dual-Temp. Display
 Child-lock Function	 Power-off Memory	 Remote Control	 Real-Time Weather	 Antifreezing Function



EBD1 - White



EBD1 - Black

## More product information

Please scan the QR code or visit the website:

<https://go.rti-tek.org/AC-Easy-Install>





## RF433 Wireless Thermostat Sets for Gas Boiler Heating

This RF thermostat set includes a thermostat and a receiver, both using reliable 433 MHz RF technology. The thermostat can be placed anywhere and works with the receiver for seamless control of gas boiler heating.

### Specifications

Thermostat Power Supply: 5V USB(Type-C)/3\*1.5V alkaline AA batteries

Receiver Power Supply: AC100~240V ; 50/60Hz

Display Accuracy: 0.1°C

Temperature Control Accuracy: 0.5°C

Temperature Control Range: 5~95°C

Ingress Protection: IP20

Materials: PC + ABS

Wireless Frequency:

433MHz(Bidirectional FSK)

Transmission Distance: 200 meters (Open environment)

Built-in Sensor: NTC, B=3380, R25=10KΩ±1%

Safety Certification: CE, RoHS

### Dimensions & Installation:

**Thermostat**  
**Model: T9W**

Dimensions(W×H×D):

118 × 86 × 24 mm

Installation: Desktop  
Design for Flexible  
Placement



**Receiver**  
**Model: RC5Plus**

Dimensions(W×H×D):

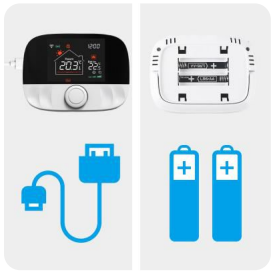
86 × 86 × 26 mm

Installation: Wall-Mounted,  
Standard 86-Type Panel,  
Hole Spacing 60mm



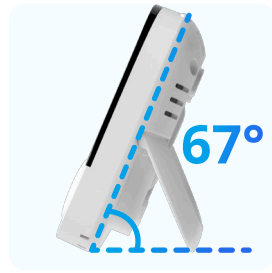


# Features



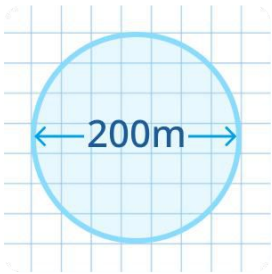
## USB & Battery Dual Power

Flexible dual power options for convenience



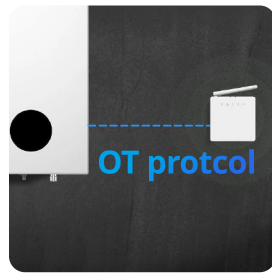
## Portable Stand

Easily movable and positionable with a sturdy stand













## RF 433 Stable Transmission

Reliable RF transmission with a range of up to 200 meters in open areas



## OpenTherm Protocol

Supports OpenTherm protocol for efficient heating control

 Weekly Programming	 Various Form Factors	 Remote Control	 Localized Control	 Dual-Temp. Display
 Real-Time Weather	 Antifreezing Function	 Child-lock Function	 Power-off Memory	 Display Brightness



T9W - Front



T9W - Back



## Underfloor Heating

# Wireless Gas Boiler Control

## Many-to-One Configuration

One Receiver controls Multiple Thermostats for easy and efficient home heating management.



## Socket Receiver

Powerful and compact design, seamlessly installed, saving valuable outlet space!



# Gas Boiler Heating Control ID Choices

## Thermostat



T5



T6



T7



T8

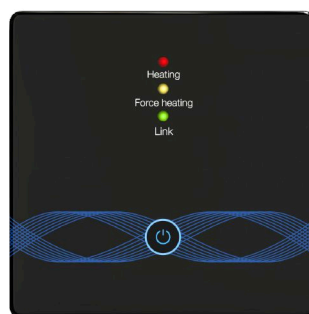


T9

## Receiver



RC5P



RC9P



TP3-BL

### More product information

Please scan the QR code or visit the website:

<https://go.rti-tek.org/RF433>





## Smart Thermostatic Radiator Valves

This smart thermostatic radiator valve is designed to efficiently controls the heating process of radiators, ensuring optimal comfort and energy savings.

### Specifications

Power Supply: 3 x 1.5 V alkaline AA batteries

Display Accuracy: 0.1°C

Temperature Control Accuracy: 0.5°C

Operation Temp. Range: 5°C~35°C

Ingress Protection: IP20

Materials: PC + ABS

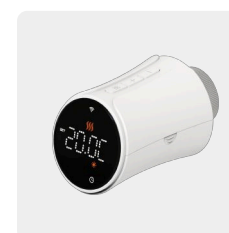
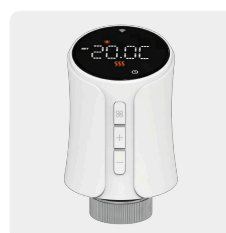
Sensor: Built-in sensor or remote sensor

Safety Certification: CE, RoHS

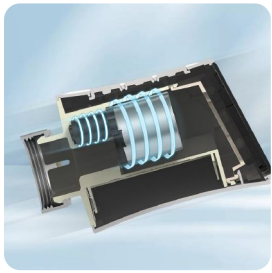
Valve Compatibility: Fits M30×1.5 mm thread, compatible with Danfoss RA/RAV/RAVL, Caleffi, Giacomini, M28 valves

**Model: TRV 706**

Dimensions: 59.7 × 95.3 × 59.7 mm



# Features



## High-Performance Motor

Powerful stepping motor delivers 80N thrust for precise temperature control



## ON/OFF & PID Modes

Choose between ON/OFF and PID modes for precise temperature control and energy efficiency



## Four Smart Modes

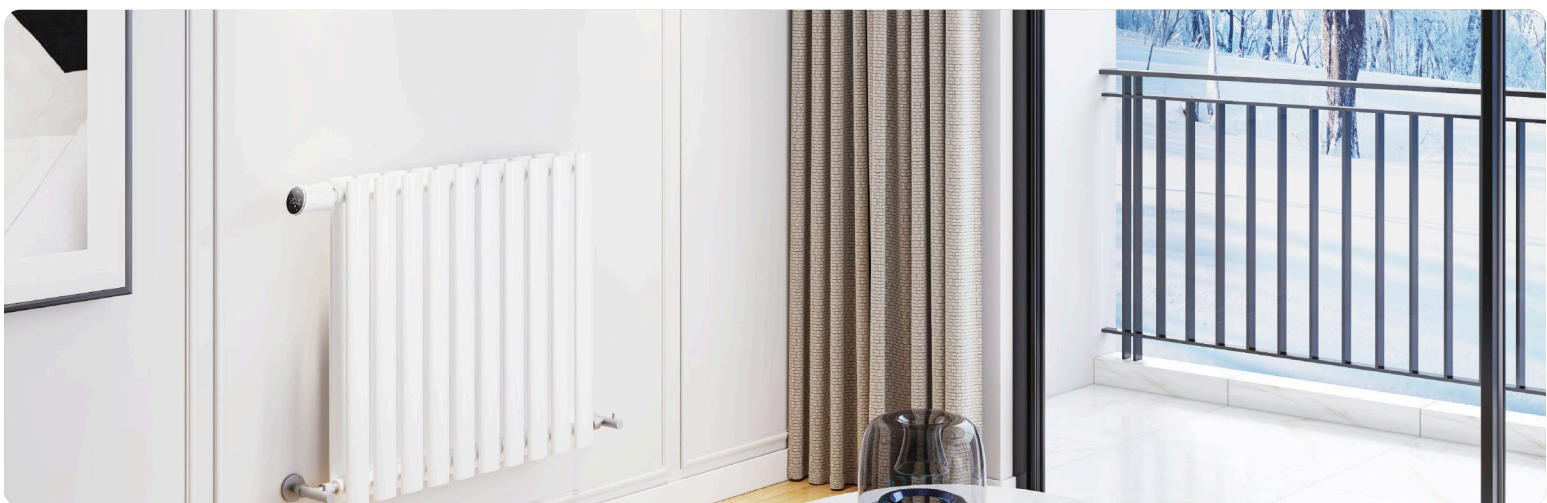
Comfort, Eco, Frost Protection, and Off modes-switch easily for year-round comfort



## Easy Installation & Wide Compatibility

Fits M30×1.5 mm thread, compatible with Danfoss RA/RAV/RAVL, Caleffi, Giacomini, M28 valves-97% radiator valve compatibility

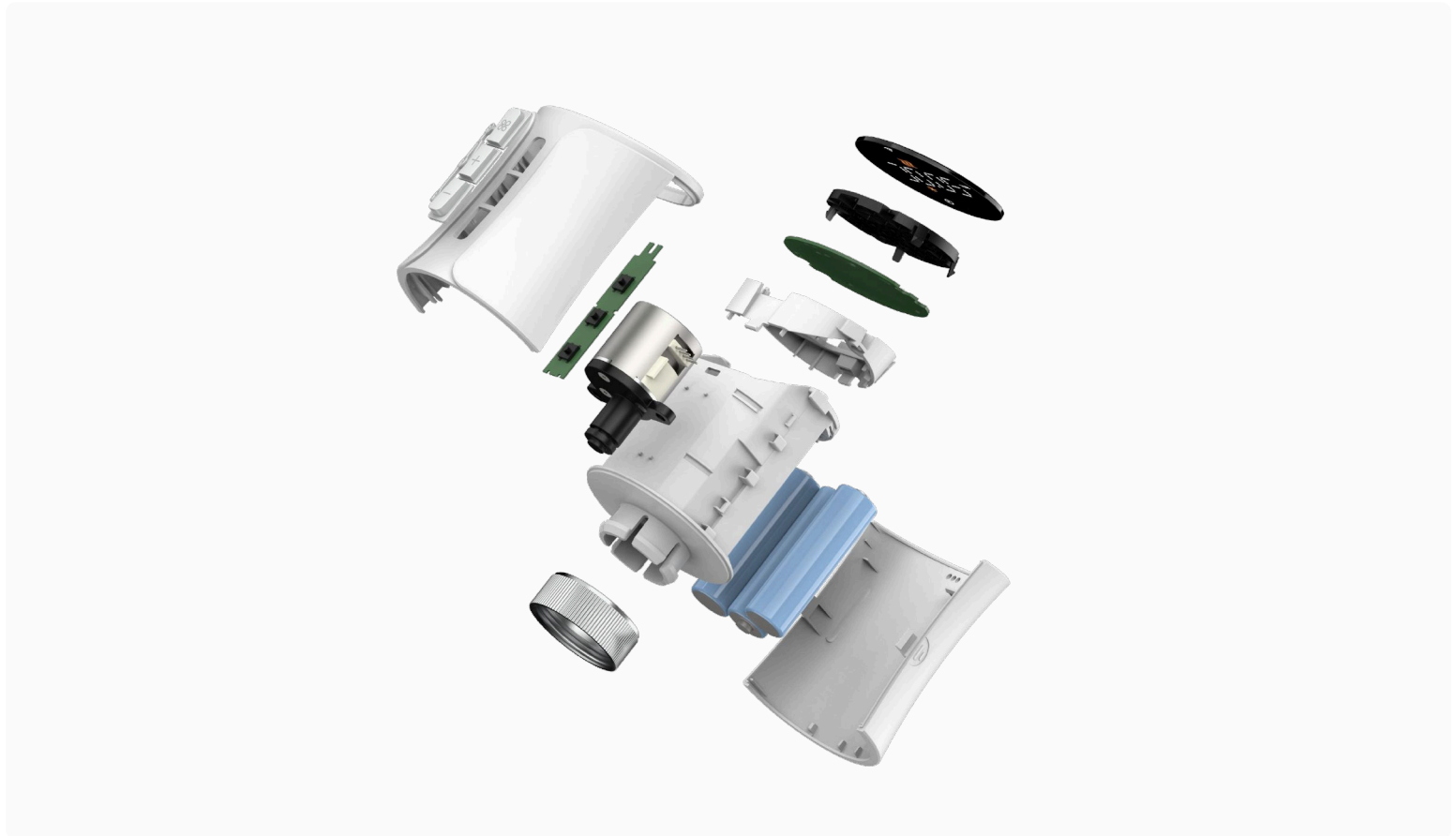
Weekly Programming	Automatic Control	Remote Control	Voice Control	Localized Control	Dual-Temp. Display
Low power consumption	Antifreezing Function	Child-lock Function	Power-off Memory	Silent Operation	Battery Powered



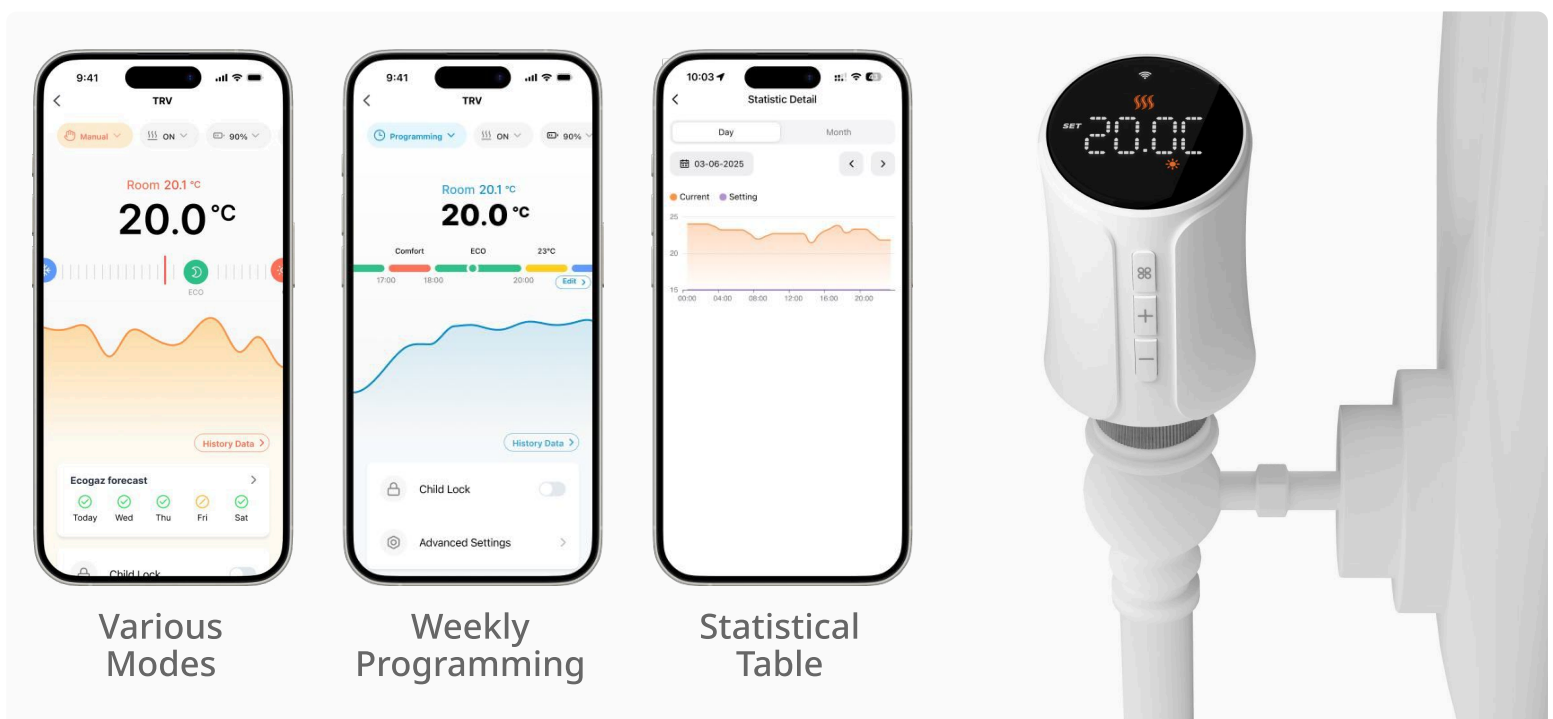

# Radiator Heating Control

## Design Innovation & Application Upgrade

### Product Structure



### APP Smart Control





# Radiator Heating Control ID Choices



TRV 601



TRV 602



TRV 701



TRV 702



TRV 705



TRV 706



TRV 801



TRV 802



TRV 901

## More product information

Please scan the QR code or visit the website:

<https://go.rti-tek.org/TRV>





# Smart Wireless Thermometer & Hygrometer

This smart temperature and humidity sensor monitors environmental conditions in real time and collaborates with other smart devices to improve energy efficiency and comfort at home.

## Specifications

Power Supply: 3 x1.5V Alkaline AA batteries

Display Accuracy: 0.1°C

Temperature Control Accuracy: 0.5°C

Temperature Control Range: 5~95°C

Ingress Protection: IP20

Materials: PC + ABS

Sensor: Built-in sensor

External sensor: NTC or Temperature & Humidity Probe

Safety Certification: CE, RoHS

Dimensions(W×H×D): 68 × 68 × 22 mm

Installation: Wall mount & Desktop







# Smart Door & Window Sensors

This smart door and window sensor monitors the status of doors and windows in real time and works with other smart devices to create a secure and intelligent home environment.

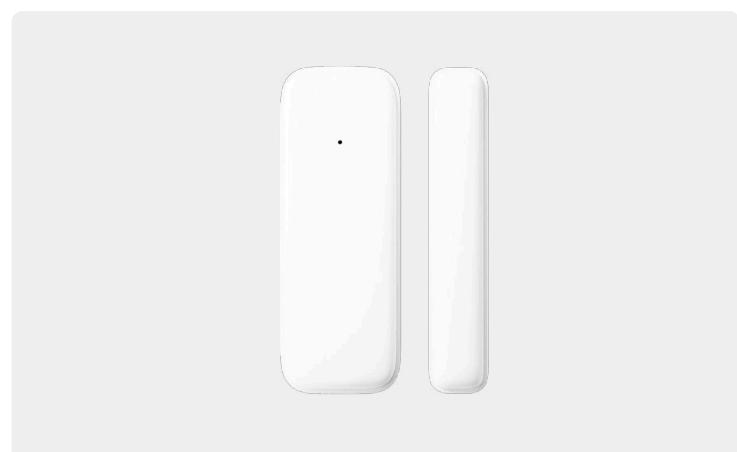
## Specifications

Power Supply: **Battery Powered**  
Sensor Technology: **Contact Sensor**  
Installation: **Mount to door or window frame**

Dimensions(W×H×D):  
**28 × 77 × 18 mm**  
**14 × 77 × 18 mm**

Features:

- Work with Tuya/Smart Life APP
- Illegal Open/Close Alarm
- Real-Time Monitor
- Instant Notification
- Versatile Uses
- Easy Setup







## Smart Socket Thermostats

This smart socket enables remote monitoring and control of non-smart heating and cooling devices, enhancing the intelligent management of household temperatures for various appliances.

### Specifications

Power Supply: AC100~240V; 50/60Hz

Current Load: 16A

Power: 3680W

Display Accuracy: 0.1°C

Temperature Control Accuracy: 0.5°C

Temperature Measurement Range:

-30~110°C

Ingress Protection: IP20 (Thermostat)

IP68 (NTC)

Materials: PC + ABS

Sensor: NTC, B=3380, R25=10KΩ±1%

(Waterproof)

Safety Certification: CE, RoHS

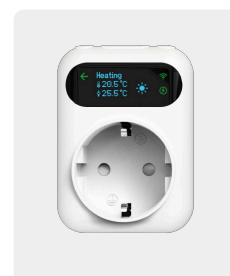
**Model: TP5**

Dimensions(W×H×D): 57 × 78 × 37.5 mm

Installation: Plug and play

Plug Standard: DIN VDE 0620-1

Sensor Length: 5cm, 300cm

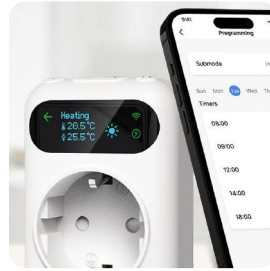


# Features



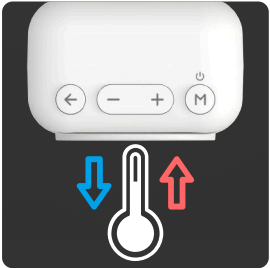
## Heating & Cooling Control

One device, perfect comfort. Effortlessly switch between heating and cooling for year-round comfort



## Weekly Programming

Set it and forget it. Automatically adjust temperatures based on your weekly routine



## Timer & Countdown

Features cycle timer and countdown functions, auto power-off for safety.



## High & Low Temp. Alert

Get notified when temperatures go beyond your set range. Stay safe and worry-free

 Weekly Programming	 Automatic Control	 Remote Control	 Voice Control	 Localized Control
 Dual-Temp. Display	 Real-Time Weather	 Antifreezing Function	 Child-lock Function	 Power-off Memory



# Heating & Cooling Control ID Choices

## Thermostat



TP3



TP4



TP5



TP6

## Linkage Control



NTC



Temperature-Humidity Sensors

### More product information

Please scan the QR code or visit the website:

<https://go.rti-tek.org/socket>









## Smart Water Timers

This smart irrigation timer provides precise automated watering, conserving water resources while ensuring healthy plant growth. A perfect choice for home gardening and outdoor use.

### Specifications

Power Supply: 4 x AA (1.5V) Alkaline Batteries  
Operating Water Pressure: 0.03MPa - 0.9MPa (4.35 psi - 130.53 psi)  
Maximum Flow Rate: 35L/min  
Waterproof Rating: IP65  
Water Inlet Connection: Compatible with 3/4" Faucet Threads  
Water Outlet Connection: Compatible with 3/4" Standard Garden Hose Threads  
Material: PC + ABS  
Safety Certifications: CE, RoHS, FCC

#### Model: WT501

Dimensions(W×H×D):  
118 × 86 × 24 mm



#### Model: WT601

Dimensions(W×H×D):  
175 × 78 × 43.6 mm



#### Thread Options:

NH (USA): 3/4" NPT (National Pipe Thread)

BSP (EU): 3/4" BSP (British Standard Pipe)

# Features



## Weather Forecast

Real-time weather updates to help you adjust your watering schedule based on current conditions



## Flow Statistics

Monitor water flow to help you manage your water usage effectively (Only FM version)



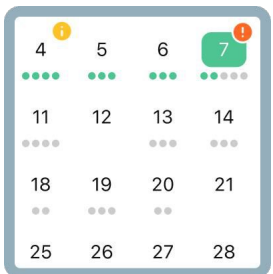
## Volume-Based Watering

Water according to plant needs, ensuring optimal irrigation with each application (Only FM version)



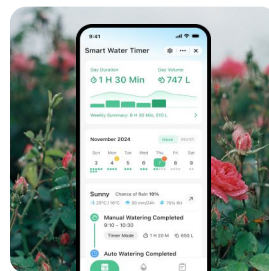
## Rain Delay

Pause watering programs to avoid irrigation during rain, conserving water resources



## Historical Records

Access past watering logs and water usage history for smarter water management



## Watering Calendar

Smart watering calendar to easily view your upcoming watering schedule



WT501



WT601-Blue



WT601-Yellow

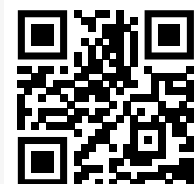


WT601-Black

## More product information

Please scan the QR code or visit the website:

<https://go.rti-tek.org/WT>







## Smart Zigbee & BLE Gateway / Hubs

Enables remote monitoring and control, supporting automated routines and real-time data exchange across connected devices for enhanced smart home management.

### Specifications

Wireless Protocols: IEEE 802.15.4 (Zigbee), Wi-Fi 802.11b/g/n

System Requirements: Android 6.0 or above, iOS 11.0 or above

#### Wireless Range

Zigbee: Up to 160 meters (Open area)

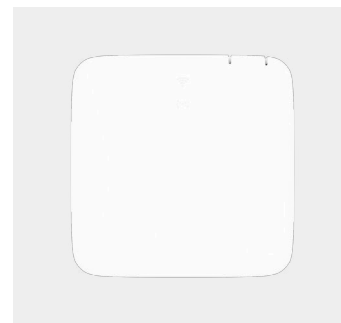
BLE: Up to 50 meters (Open area)

Wi-Fi: Up to 100 meters (Open area)

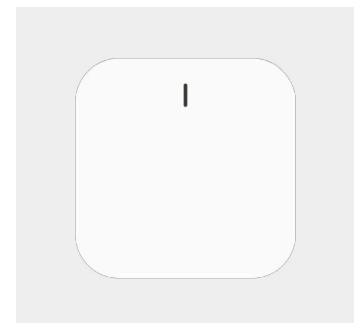
Dimensions(W×H×D):

ZB2W-U01: 62 × 62 × 15.5 mm

ZB2W-G01: 56 × 56 × 23 mm



ZB2W-U01



ZB2W-G01





# Smart HVAC Control Panel

This smart HVAC control panel serves as the core device for home temperature management, capable of monitoring temperature and heating in up to 8 rooms, making it ideal for complex living environments.

## Specifications

Wireless Protocols: IEEE 802.15.4 (Zigbee), Wi-Fi 802.11b/g/n  
 System Requirements: Android 6.0 or above, iOS 11.0 or above

**Model: V9**

Dimensions(W×H×D): 86 × 86 × 43 mm

### Wireless Range

Zigbee: Up to 160 meters (open area)  
 BLE: Up to 50 meters (open area)  
 Wi-Fi: Up to 100 meters (open area)  
 Voltage Range: AC 100~240V; 50/60Hz



# Smart Home Energy Saving & Comfortability

Supports Matter standard, Wi-Fi, Zigbee, Bluetooth, and RF Remote Control, and compatible with leading smart home platforms like Amazon Alexa, Google Home, Apple HomeKit, and Smart Life.

## Door & Window Contact Sensor



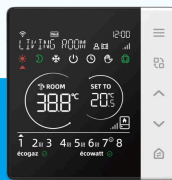
Automating your home and saving energy through intelligent motion detection.

## Smart Thermostats



Vibrant color display, precise energy monitoring, external temperature sensing, and enhanced safety.

## Smart Control Hub

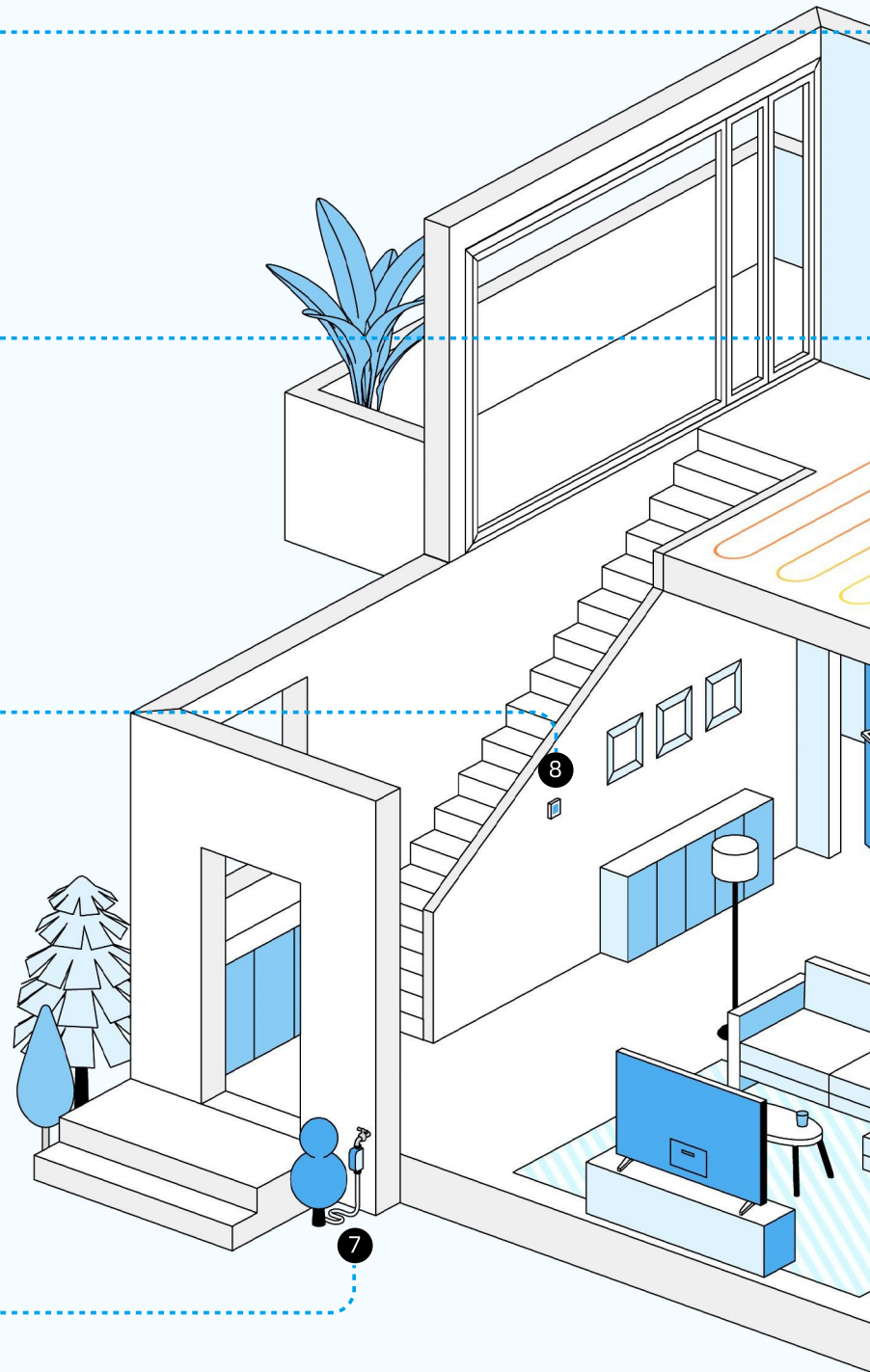


Centralized, local control for your entire home with an intuitive touchscreen interface.



## Intelligent Water Irrigation Controller





Smart irrigation controller with remote control, customizable rules, and long battery life. IP65 waterproof.

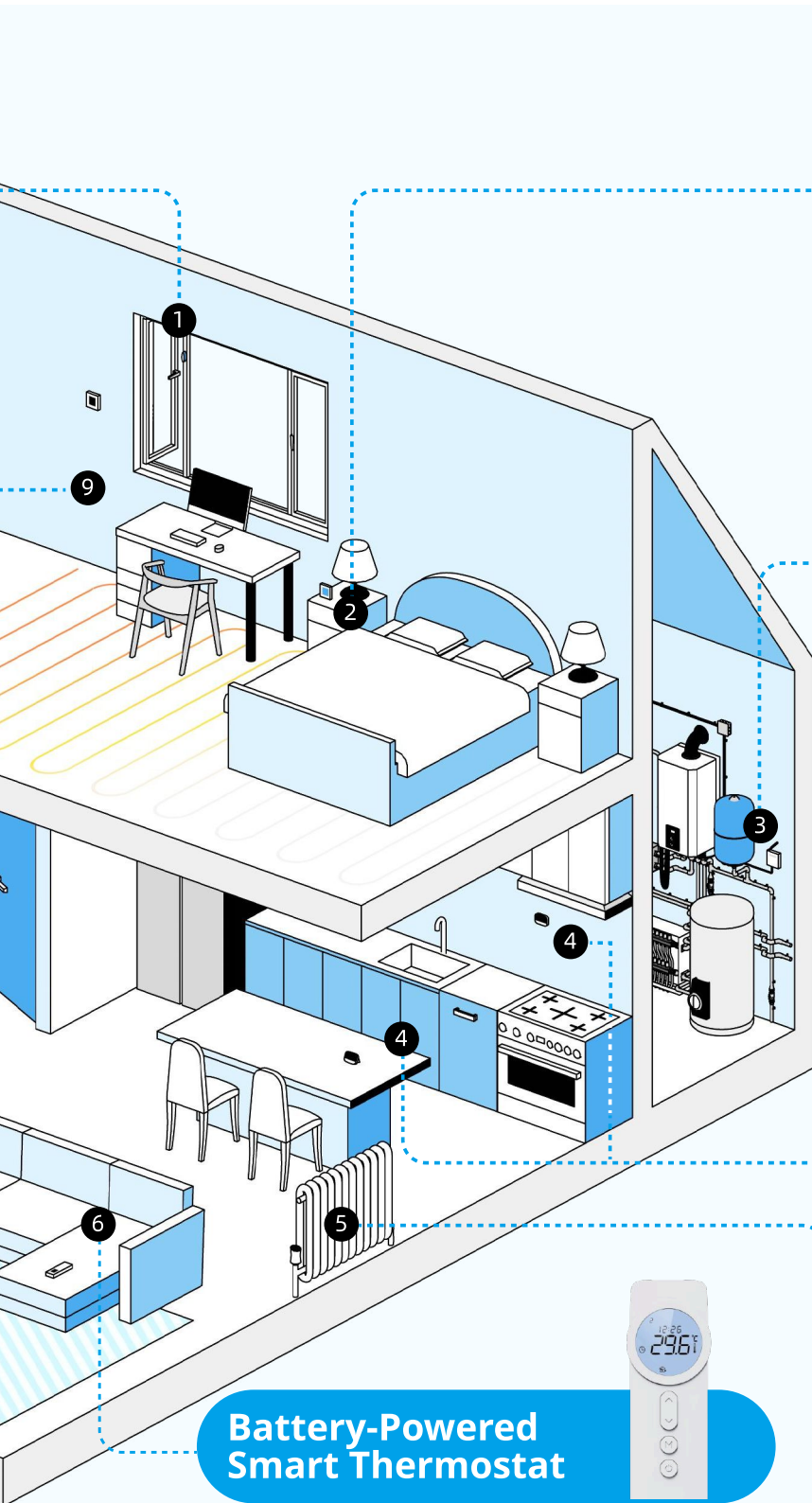




 User-friendly  
 Easy-Installation

 Versatile  
 Precise

 Wireless Connectivity  
 Attractive Design



### Temperature and Humidity Sensor



Precise Temperature and Humidity Measurement, deeply Integrated with Energy Saving System

### Boiler Controller



Offers both dry contact and OpenTherm compatibility for a wide range of boiler models.

### Smart RF Thermostat



Wall-mountable and free-standing design, powered by an RF Remote Control for reliable, long-range temperature control.

### Battery-Powered Smart Thermostat



Portable smart thermostat for flexible temperature control - place it anywhere you want.

### Smart TRV



Intelligent Heating Control with PID Algorithm and Multi-Sensor Integration.

# Smart Thermostats for Underfloor Heating

## Thermostats Classic Series

Suitable for:  
Underfloor heating (Electric / Water / Gas boiler heating)

Support:  
Weekly programming

Current load:  
16A (For electric heating) / 3A (For water heating and gas boiler heating)

Power supply options:  
AC100~240V; 50/60Hz

Power consumption:  
1W Max

Temperature setting accuracy:  
0.5°C

Temperature setting range:  
5~95°C

Installation:  
Wall mounted

Sensor:  
NTC, B=3380, R25=10KΩ±1%  
(External NTC optional)

Gas boiler Control:  
Dry contact control (Default)  
Active control

Dimensions (W x H x D):  
86 x 90 x 43 mm (Reference)



R1M



R3M



R5M



R9M



R53M

# Thermostats Wi-Fi Series

Suitable for:  
Underfloor heating (electric / water /gas boiler heating)

Support:  
Weekly programming

Current load:  
16A (For electric heating) / 3A (For water heating and gas boiler heating)

Power supply options:  
AC100~240V; 50/60Hz

Power consumption:  
1W Max

Temperature setting accuracy:  
0.5°C

Temperature setting range:  
5~95°C

Installation:  
Wall mounted

Sensor:  
NTC, B=3380, R25=10KΩ±1%  
(External NTC optional)

Gas boiler Control:  
Dry contact control (Default)  
Active control

Dimensions (W x H x D):  
86 x 90 x 43 mm (Reference)



R3W



R5W



R53W



R6W



R7W



R7C



R8C



R8W



R9MW



R9W-Black



R9W-White



V8W



V8-White



V4W -White



V4W-Black



# Wi-Fi Thermostats Battery Powered Series

Suitable for:  
**Underfloor heating (Electric / Water / Gas boiler heating)**

Support:  
**Weekly programming**

Power supply options:  
**3 x 1.5V alkaline AA battery  
2 x 1.5V alkaline AA battery (Optional)**

Gas boiler Control:  
**Dry Contact/ OpenTherm (optional)**

Power supply options:  
**AC100~240V; 50/60Hz**

Power consumption:  
**1W Max**

Temperature setting accuracy:  
**0.5°C**

Temperature setting range:  
**5~95°C**

Installation:  
**Wall mounted  
Sensor: NTC, B=3380, R25=10KΩ±1% (External NTC optional)**

Gas boiler Control:  
**Dry Contact**

Dimensions (W x H x D):  
**86 x 90 x 43 mm (Reference)**



V3B



V8B



V9B



T5

# Smart Thermostats for Fan Coil Unit Control

Suitable for:

- Central air conditioning /fan coil units
- Supports cooling/heating (2-pipe)
- Cooling & heating (4-pipe)
- Underfloor heating & air conditioning(2-pipe)

Features 3-speed fan settings:  
**High, Medium, Low, and Auto**

Power supply options:  
**AC100~240V; 50/60Hz**

Current load:  
**3A**

Setpoint range:  
**5 to 35°C (Default)**

Accuracy:  
**0.5°C**

Control:

**Remote control**

Installation:

**Wall mounted**

Weekly programming:

**Optional**

RS485/Modbus communication:

**Optional**

Room card function:

**Optional**

Dimensions (W x H x D):

**86 x 90 x 43 mm (Reference)**



R3W



R7C



R8C



R9W

# Smart RF433 Thermostat Kits for Gas Boiler Heating

Wireless thermostat set Suitable for:  
Underfloor heating /gas boiler heating

Support:  
Weekly programming

Wireless Frequency:  
433MHz(Bidirectional FSK)

Power Supply:  
Thermostat: 5V USB(Type-C)  
& 3\*1.5V Alkaline AA batteries;

Receiver: AC100~240V ; 50/60Hz ;  
(Reference)

Temperature setting accuracy:  
0.5°C

Temperature setting range:  
5~95°C

Control:  
Remote control

Installation:  
Wall mounted (Surface)

Gas boiler Control:  
Dry Contact/ OpenTherm (Optional)

Transmission Distance:  
200 meters (Open environment)

Built-in Sensor:  
NTC, B=3380, R25=10KΩ±1%

Thermostat Size:  
86 × 86 × 24 mm (Reference)

Receiver Size:  
86 × 86 × 26 mm

## Thermostat



T6



T7



T8



T9



T2G

## Receiver



RC5P



TP3-BL



RC9P



# Smart Socket Thermostats for Heating & Cooling

Suitable for:  
Electric heating & cooling

- Support:
- Weekly programming
  - Timer & Countdown
  - High & Low Temp. Alert

Current load:  
16A

Power supply options:  
AC100~240V; 50/60Hz

Power :  
3680W

Temperature setting accuracy:  
0.5°C

Temperature Measurement Range:  
-30~110°C

Control:  
Buttons, App remote control

Ingress Protection:  
IP20 (Thermostat)  
IP68 (NTC)

Sensor:  
NTC, B=3380, R25=10KΩ±1%  
(Waterproof)

Plug Standard:  
DIN VDE 0620-1

Sensor Length:  
5cm, 300cm

Dimensions(W×H×D):  
57 × 78 × 37.5 mm (Reference)



TP3



TP4



TP5



TP6

# Smart Thermostatic Radiator Valves for Radiator Heating

Suitable for:  
Radiator heating

Support:

- Weekly programming daily settable
- Comfort, Eco, Frost Protection, and Off Modes
- ON/OFF & PID system modes
- Open window function

Power supply options:  
3 x 1.5 V alkaline AA batteries

Temperature setting accuracy:  
0.5°C

Operation Temp. Range:  
5°C~35°C

Control:  
Buttons, Knob, App Remote control

Sensor:  
NTC, B=3380, R25=10KΩ±1%

Valve Compatibility:  
Fits M30×1.5 mm thread, compatible with Danfoss RA/RAV/RAVL, Caleffi, Giacomini, M28 valves



601



602



603



701



702



705



706



802



801



901

# Timer Controller for Electric Heated Towel Rack

Model:  
TR3/TR1

Dimensions(W×D×H):  
64.8mm\*24mm\*30mm

Power supply:  
AC100~240V; 50/60Hz

Power Consumption:  
300W Max

Timing Function:  
2H/4H/6H

Power Gear:  
High / Medium / Low

## Features:

- Scientific management of the use of time, 3 heating modes can be selected, energy saving and power saving.
- Bathroom artifacts, drying towels, dehumidification and antibacterial.
- Easy installation, no helper, you can do the installation yourself.



TR1-30B



TR1-30S



TR1-30W



TR3-30B



TR3-30S



TR3-30W



# Central Heating Hub Controllers

Product Name:  
Wireless floor heating junction box  
multi-function controller

Model:  
WBG833

Power Supply:  
AC100~240V; 50/60Hz

Current Load:  
10A Max

Storage Temp.:  
-20°C~70°C

Linkage Delay Time:  
5min / 3min / 0min

Heating Control:  
ALL OFF / AUTO / ALL ON

Wireless Frequency:  
433MHz (Bidirectional FSK)

Transmission Distance:  
200 meters (Open environment)

Dimensions(W×D×H):  
280 × 110 × 40mm

## Features:

- Centralized control of 8 sub-controllers, visual interface, convenient and intuitive.
- Can be systematically overridden to control zone valves or boiler thermostats.
- Simple installation and operation, effortless comfort and energy saving.



WBN833



WBG833

# Fil Pilote Thermostats

Product Name:  
**Pilot Wire Thermostat**

Storage Temp.:  
**-20°C~70°C**

Model:  
**RP5W / RP5Z (-PM)**

Temperature sensor:  
**NTC, B=3380, R25=10KΩ±1%**

Control:  
**Buttons, App**

Compatibility:  
**Compatible with all Class II electric radiators equipped with Pilot Wire technology**

Power Supply:  
**AC100~240V; 50/60Hz**

Dimensions(W×D×H):  
**86 × 86 × 26 mm**

Radio frequency rang:  
**2.400GHz ~ 2.483GHz**

Operating Temp.:  
**0°C to 50°C, indoor use only**



RP5Z



RP6W



RP5W



RP5W-PM



RP6Z

# Rti-Tek | @Innotech

Professional Smart Energy Saving Solution Provider with ODM and OEM Services for HVAC Systems



**Scan for more infomations**

Shenzhen Rti-Tek Co., Ltd.  
[www.rti-tek.com](http://www.rti-tek.com)