BT-DP03 HC RF Series

Wireless digital programmable room thermostat

WATTS Vision® System

Technical Data Sheet



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WATTS®

Description

WATTS Vision® enables you to program and display the settings for each multi-zone heating and/or cooling system (up to 50 zones).

It is a wireless system that requires the use of WIRELESS DIGITAL ROOM THERMOSTAT BT-DP03 HC RF Series to control the temperature of the individual rooms and remote contacts.

The WATTS Vision® system provide full remote control of the system using any browser from your PC or the dedicated smartphone app (for iOS and Android) by means of the system's WiFi connection.



VISION® WIRELESS BT-DP03 HC RF SERIES

The Wireless digital room programmable thermostat with back-light LCD display is designed to control different types of heating and cooling systems. Temperature control is based on internal sensors. An external sensor (SENSOR 10K - P01228) can be connected without any additional external power supply. A logo on display indicates whether the heating switch-on signal is activated.

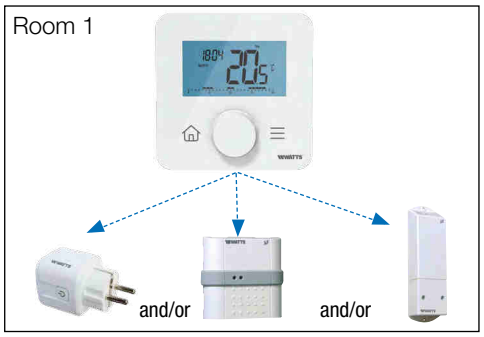
Type	Part No.	Description
BT-DP03 HC RF	P08100	WATTS Vision® Wireless Heat&Cool digital programmable room thermostat

- Thermostat compatible with WATTS Vision® system
- Smartphone App control capability when associated to Central Unit BT-CT03 RF
- LCD display with back-light
- 2 sensitive touch buttons + 1 rotary push-button
- Wireless bidirectional communication 868,3 MHz.
- Heat and Cool
- Different temperature program' settings
- Open window detection
- Anti-freeze function
- Configurable Hysteresis or PWM regulation
- Pin Code for public area
- Wall or Desk mounting with a stand (included)
- 2 parameter menus User and Pro

In option: external sensor with several possibilities of regulation (floor, remote, combined…)

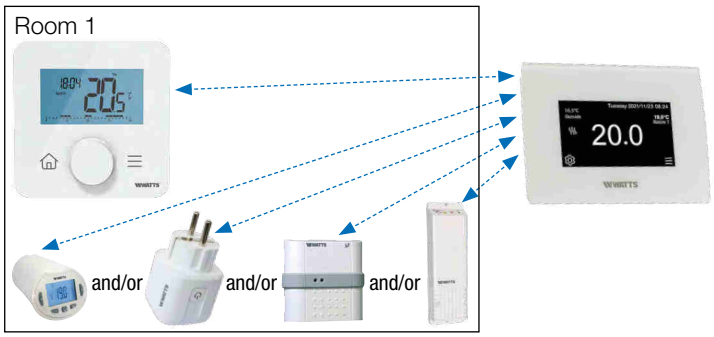
Technical specifications	
Purpose of control	Thermostat
Construction of control	Electronic independently mounted control
Software class	Class A
Extension of sensing element	Temperature
Control pollution degree	2 - Normal household environment/ 3 (blower)
Temperature for ball pressure test	75°C
Frequency band - ERP	868.3 Mhz ± 300 KHz – ERP < 25mW
Ambient operating temperature	0°C to 50°C (32°F to 122°F)
Storing temperature	-20°C to 60°C (-4°F to 140°F)
Maximum ambient humidity (relative humidity)	80% to 20°C (68°F)
IP rating	IP20
ERP	IV
Protection class	Class II
Temperature sensor (accuracy)	± 0.25°C
Regulation type	Proportional Band (PWM 2°C/10min) or Hysteresis 0.2°C to 3.0°C
Temperature ranges: Comfort / Reduced / Anti-freeze	5 to 37°C / 5 to 37°C / 0.5 to 10°C / (increments of 0.5°C)
Power supply (batteries)	2 AAA LR03 1.5V Alkaline, Life ~2 years
Wireless communication (radio frequency)	868,3 MHz, <10mW, Range of approximately 150 meters in open field, 30 meters in residential area.
Internal and/or external temperature sensor	CTN 10K at 25°C
Internal humidity sensor	SHT40
Firmware version	Shown on thermostat menu N°16
Memory	EEPROM non volatile
Directives	2014/35/EU, 2014/30/EU, 2014/53/EU, 2011/65/EU, 2012/19/EU, 2015/1188/EU

Examples of installation type



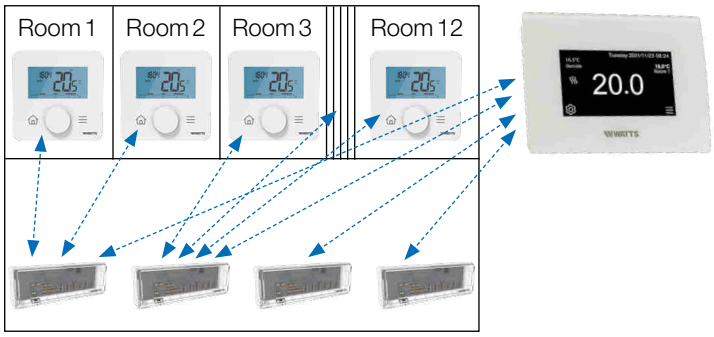
Type 1 - (Room with thermostat and one or more thermostatic heads)

- Pair the thermostat (if present) with the central control unit before pairing the other devices.
- The actuators proceed with system control on the basis of thermostat temperature.



Type 2 - (Room with thermostat and one or more receivers or thermostatic heads)

- Pair the thermostat with the central control unit before pairing the other devices.
- The other devices proceed with system control on the basis of thermostat temperature.



Type 3 - (floor heating system)

- Each thermostat is paired with a connecting box master (WFC-03). The master can be paired with a central unit (BT-CT03).
- Pair the thermostat with the master before pairing the other devices.
- During pairing, the central unit automatically creates rooms according to the number of thermostats (rooms) paired with the master.

Default names are assigned to the rooms. You can change these in the “House creation” menu (you can identify these rooms with different set-point temperatures).

Specification text

The WATTS Vision® controls multi-zone heating and/or cooling system (up to 50 zones) with full remote control from your PC or the dedicated smartphone app.

The BT-DP03 HC RF Series Wireless digital room thermostat with radio frequency (868,3 MHz) back-light LCD display is designed to control the temperature of the individual rooms and remote contacts.

Pin Code for public area. Wall or Desk mounting with a stand (included). Power supply 2 AAA LR03 1.5V (included).

Compliant with: 2014/35/EU, 2014/30/EU, 2014/53/EU, 2011/65/EU, 2012/19/EU, 2015/1188/EU.

Overall dimensions (mm)



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