ANTARES®
for water and fire

Via degli alpini, 144 - 55100 Lucca - Italy | Tel: 0583 473701 Fax: 0583 494366 | email: ant3@antaresint. com Internet: www.antaresint.com

UK

T.230.03
One pair Size AA batteries/ Radio Frequency
Underfloor Heating /Touch screen

Room Thermostat controller T.230.03

Feature

- Radio frequency 433 MHz, one-to-one or many-to-one.
- A variety of solutions..
- A potential-free connected controlling port.
- Special for underfloor heating or boiler heating.
- Two section size AA batteries to ensure the power of one heating season.
- Adopt magnetic latching realy power consumption.
- 24 events every day, 7-day programmable controller.

- Energy-saving temperature and comfort temperature selectable.
- Parameter memory, anti-frozen function.
- Key-lockfunction, low battery indicator.
- Touch screen thermostat, fashion AL-MG alloy or plastic coving.
- Large LCD screenwith white backlight.
- Wall surface mounted.

Parameter

- Power supply: DC3V, 2 pieces size AA batteries
- Wireless frequency: 433 MHz
- Measuring range: 0 –95°C
- Setting range: 5 –90°C
- Switching differential: 0,5°C – 5° adjustable

(factory setting: 1°C)
- Sensor: internal NTC sensor
- Measuring quantity: 1 pcs
- Potential free output: Max5A (AC220V resistance load)
- Dimension size mm: 111 x 82 x 24

Symbol explaining

☐ Menu
☐ Mode/clock
☐ On/Off
☐ Descrease
☐ Increase

☐ Programming mode
☐ Manual mode
☐ Anti-frozen mode
☐ Low batteries
☐ Key-lock
☐ Heading

Simple touching key, large LCD screen with white backlight

24 hour event, energy saving comfort display 0~24 number is for 24 hours each day

In energy saving (low temperature) event

In comfot (high temperature) event

Weekly programming, 7 days for one week.
Show Monday to Sunday

Three control Models

☐ **Manual temperature control -** will control room temperature according to current setted temperature value. It is nothing to do with timw (event).

☐ **Event programming control -** 24- event for 24 hours each day every single event can be set as energy saving temperature or confort temperature, which can set event and temeperature according to individual habits event programming control is circulated by 7 day, so it is called weekly programming control.

☐ **Anti-frozen function -** Set temperature is 5°C to ensure room temperature is not lower then 5°C to avoid frozen caused by low temperature (only used in water-based heating). Factory setting anti-frozen function usual close, if necessory, plz modify it in advanced setting.

Simple operate steps:

☐ Press ON/OFF key to choose on/off
Swich on: Display the full screen firstly, then recover to last work mode before switch off.
Switch off Display OFF If has anti-frozen protection function, it well enter anti-frozen mode automatic when switch off, symbol as following:

☐ Press this key can change manual mode and programming mode. For example:

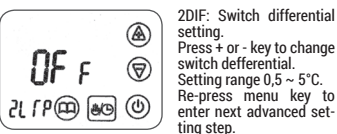**Manual mode**   **Programme mode**

☐ **Setting value descrease key (-)**
Press this key on time will enter to manual mode to adjust temperature value. press once again, setting value will descrease 0,5°C every step.

☐ **Setting value increase key (+)**
Press this key one time will enter to manual mode to adjust temperature value.
Press once again, setting value will increase 0,5°C every step.
Press this key above 3 seconds, the value will be invreased by 0,5°C step in quickly.

☐ **Adjuest date and clock:**
Press this key for 1 minute till date symbol twinkle, press + or - key to adjust date.
Press this key one time, hour symbol twinkel, press + or - key to adjust current hour.
Press this key one time, minute symbol twinkle, press + or - key to adjust current minute

Key-lock function
Press any key that will be invalid when key locked this function avoid children or unprofessional person ti modify setting value of controller.
Key lock: Press + and -key simultaneity till more than 5 seconds, then display ☐ Symbol.
Key unlock: Press + and - key simultaneity fill more 5 seconds, then display ☐ Symbol.

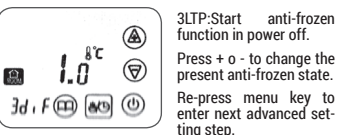## Advanced setting (qualified person preferred)

Usually finished at mounting thermostat.
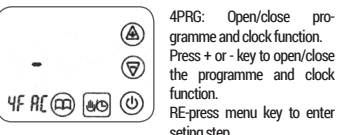Press menu key simultaneously switching on the to enter advanced setting.

1ADJ: Temperature calibration. Press + or - key to adjust present value. Adjustable scale ± 9,9°C.

2DIF: Switch differential setting.
Press + or - key to change switch defferential.
Setting range 0,5 ~ 5°C.
Re-press menu key to enter next advanced setting step.

3LTP: Start anti-frozen function in power off.
Press + o - to change the present anti-frozen state.
Re-press menu key to enter next advanced setting step.

4PRG: Open/close programme and clock function.
Press + or - key to open/close the programme and clock function.
RE-press menu key to enter seting step.

5COD: Start to check code
Press + to start check code with receiver.
Re-press menu key to enter next advanced seting step.

6PA: Wireless frequency power choosing.
Press + or - key to modify the wireless frequency power.
Setting range: 0-3, 0Min, 3Max.
Re-press menu key to enter next advanced dating step.

7FAC: Reset to factory setting. Press + key for 5 seconds till display-reset to factory setting.
Re-press menu key to enter advamced seting step.
Press Off key to quit advanced setting for saving.

Energy-saving and comfort temperature

☐ When in work mode, energy-saving and comfort temperature setting as following. Press menu key one time to enter to set mode.

Press + or - key to adjuset the comfort twmperature, the factory setting is 20 º C.

Press menu key again to enter to energy-saving temperature date, LCD screen as following:
Press+ or - key to adjuset the energy-saving temperature. The factory setting is 16 º C.

Factory pre-setting process of programme (P1...P6) Operate method

☐ There arei 6 factory pre-setting processes when finished in factory, which is convenient to user. If P1...P6 pre-setting is meet to user's requirement, then only need to choose corresponding process code not need to set process by yourself. Operating way:Press menu 3 times in usual power on works mode to enter event programming mode. At this time press + or - key to choose factory press-setting process (P1...P6).

No.	Work day programme	Rest day programme	Application description
P1	0 3 6 9 12 15 18 21 24	Rest day same as work day	All work mode Comfort operating
P2	0 3 6 9 12 15 18 21 24	6 9 12 15 18 21 24	Weekend work mode. For residential
P3	0 3 6 9 12 15 18 21 24	0 3 6 9 12 15 18 21 24	Single dayoff works mode. For residential
P4	0 3 6 9 12 15 18 21 24	☀ Anti-frozen protection mode	Double dayoff works mode. For office
P5	0 3 6 9 12 15 18 21 24	☀ Anti-frozen protection mode	Single dayoff works mode. For office
P6	0 3 6 9 12 15 18 21 24	Rest day same as work day	All work mode For energy saving operating

Programme nymber specification of factory pre-setting

P1: 1-7day (one week) is all works mode, 24 hours a day are in comfortable temperature, thet is suit to mail, hotel, machine room and so on. This programme is more power-wasting than P2...Used in residential place, which can meet to comfortable and energy saving effect. Monday to Friday are work day, Saturday are rest day, this is double dayoff works mode.
P3: Used in residential place, which can meet to comfortable and energy saving effect. Monday to Saturday is the rest day, this is single dayoff works mode.
P4: Used in work place, Monday to Friday are work day, du-

ring works daytime is comfortable temperature. Saturday and Sunday are rest day, this is double dayoff works mode, and which can enter to anti-frozenprotection mode when in weekend.
P5: Used in work place, Monday to Saturday are work dayduring works daytime is comfortable. Sunday is rest day, this is single dayoff works mode, and which can enter to anti-frozen protection mode when in Sunday.
P6: Similaro to P1, which is used to the place is not need high comfortable requirement and is eneregy-saving works mode.

Programmazione oraria

Se le impostazioni di fabbrica (P1 - P2) non sono in grado di soddisfare le esigenze dell'utente, lo stesso può modificare il P7, come programma personalizzato.
Impostazioni:
1) Premere il tasto MENU 3 volte con il termostato acceso e scegliere P7.
2) Premere il tasto ☐ per 5 secondi per entrare nelle impostazioni personalizzate
3) Premere nuovamente il tasto ☐ per scegliere il giorno
4) Premere il tasto MENU per impostare la modalità antigelo e modalità di programmazione.
5) Il simbolo della sonda di temperatura cambia da 0 a 24 ore

(programmi).
6) Premere il tasto + una volta per scegliere la modalità comfort. Premere nuovamente il tasto + per confermare e passare al prossimo programma.
7) APremere il tasto - una sola volta per scegliere la temperatura di risparmio energetico. Premere nuovamente il tasto - per confermare e passare al prossimo programma.
8) Premere nuovamente il tasto ☐ per passare all'impostazione del seguente giorno del programma.
Fate come sopra per completare l'impostazione settimanale.

Applications

1- Thermostat wireless mode.
2- Wireless thermostat many-to-one which applies to tempersture controls for separate room.

Montaggio