



Wireless smart thermostat PNI CT400

Termostat inteligent PNI CT400



EN User manual.....

3

RO Manual de utilizare.....

23

WARNINGS

Because the product must be connected to a 230 VAC power supply and to a heating appliance, installation should only be carried out by qualified personnel to avoid irreparable damage to the product and/or the heaters that are connected, defects not covered by warranty.

We recommend that you have qualified personnel with experience in this field, for initial setup of the equipment in order to understand correctly the technical terms and procedures detailed in this manual.

After installation and configuration, the product is easy to use both mobile unit and smartphone control with an intuitive and easy to configure interface.

To access/monitor/control the product remotely from your smartphone, it is necessary to have an internet source (WiFi router) close to where thermostat is installed.

GENERAL INFORMATIONS

The PNI CT400 smart thermostat has been developed to provide customers extra day-to-day comfort in their homes, in the office or other premises, offering the ability to monitor and turn on or off heating systems either automatically scheduled for every day of week, either remotely, anytime

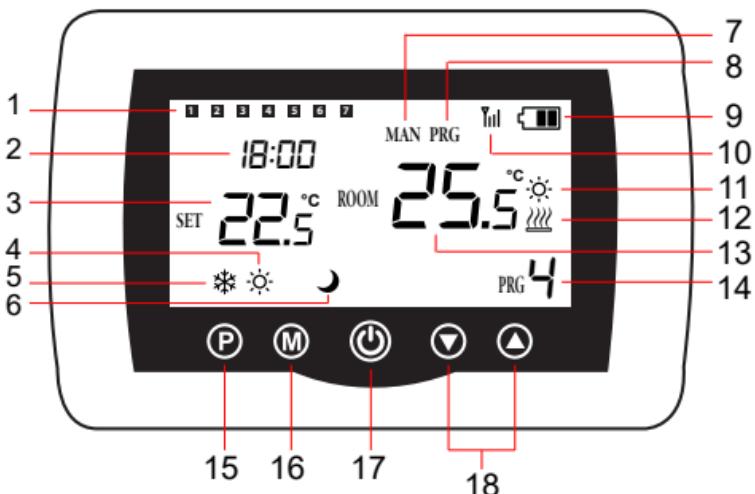
and anywhere via the internet with dedicated app for Android or iOS smartphone for two distinctive zones hydraulically separated by pumps, solenoid valves or even separate heating boilers.

TECHNICAL DETAILS/SPECIFICATIONS

- Main unit power supply: 2 AAA batteries
- Receiver power supply: 230VAC 50/60Hz
- Receiver unit command type: 2 x NO/NC Relay (normal open/close) not energized/dry contact
- Relay parameters: 250 V max, 10 Amps max (resistiv), AC/DC current
- Set point range temperature: 5 - 35°C (0.5°C step)
- Measurable ambient temperature: 0 - 50°C (0.1°C step)
- Temperature measurement unit: only Celsius degrees
- Acceptable humidity: 85% no condensation
- Screen illumination: white light
- Temperature sensor: NTC 10K, 3950ohms at 25°C
- Sensor accuracy: ± 0.1 °C (0.5 °C step sensor calibration)
- Protection degree: IP30
- Housing: ABS with UL94-5 fire retardant plastic standard
- WiFi frequency: 2.4GHz
- WiFi transmission power: 100mW
- RF frequency: 868 MHz

- RF transmission power: <25mW

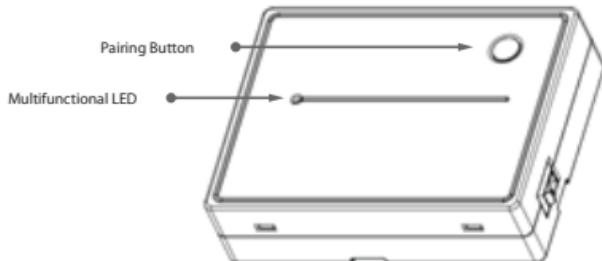
MAIN UNIT DESCRIPTION



1	Day of the week 1 (Monday) - 7 (Sunday)	10	Wireless signal indicator
2	Clock	11	Cooling system is On
3	The set temperature	12	Heating system is On
4	Active heating mode	13	The room temperature

5	Active cooling mode	14	Active program number
6	Eco mode active	15	Eco, Manual, Programmed mode selection
7	Manual mode active	16	Heating, Cooling mode selection
8	Programmed mode active	17	Thermostat On/Off
9	Battery indicator	18	Up and Down arrow for setting temperature and parameters

RECEIVER DESCRIPTION



RECEIVER WIRING DIAGRAM

The operation of connecting the receiver unit with 230 V power supply and central heating system must be performed only by qualified personnel and only after consulting the thermostat and boiler documentation.

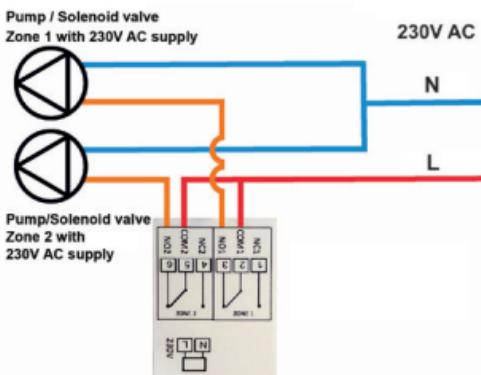
The receiver unit has two relay type controls (COM-NO-NC/Normal Open and Normal Closed) without potential (non-energized). Each relay executes the closing/opening of a control circuit with a maximum current of 10 A, and maximum voltage of 250 V AC/DC .

So if the heating system is designed with 2 hydraulically separated zones with 2 pumps/solenoid valves or even 2 boilers, you can separately control the heating of each zone (pumps/solenoid valves/boilers) separately with the help of this thermostat with 2 monitoring/control units. Find examples of connection with pumps/solenoid valves or certain models of thermal power plants thermal power plants at the end of the manual. Find examples of connections with certain models of Gas boiler Systems at the end of the user manual.

EXAMPLE OF DIAGRAM CONNECTION OF PNI CT400 THERMOSTAT WITH 2 PUMPS/SOLENOID

VALVES WITH 230V AC SUPPLY *

* The installation must be done only by the authorized installer and only after consulting the manuals, and checking the connections and their compatibility.



INSTRUCTIONS AND WARNINGS FOR THE FIRST USE

Note: The system comes with the three units paired from the factory. During installation, it is only necessary to connect the receiver unit to the wireless router in the house.

Insert 2 AAA alkaline batteries (not included) into the central unit and turn on the unit by pressing the on/off button.

On the screen of the central unit, the network indicator blinks, to indicate that the thermostat is not connected to the Internet.

Connect the receiver unit to a 230V power supply (the operation must be performed by qualified personnel only). Make sure the thermostat is working properly by turning the three units on/off and checking the status of the LEDs.

THE TUYA SMART APP

Note 1: Due to the numerous updates of the Tuya Smart application, it is possible that the images and information described in this manual are different from the version you have installed.

Note 2: For a quick configuration, make sure that the phone and the thermostat are as close as possible to each other (1-3 m).

Connect the mobile phone to a 2.4 GHz wireless network and activate the GPS location on your phone.

Warning: Make sure that you have connected the phone to the wireless network on the 2.4 GHz frequency. New generation routers and phones are also equipped with the 5 GHz wireless network, but the PNI thermostat does not support this frequency.

Download the Tuya Smart application from the App Store or Google Play or scan the QR code below:



Open the Tuya Smart application and press the + button or “Add device” to add the thermostat to the application.

In the following interface, select the “Small Home Appliances” - “Thermostat (Wi-Fi)” option.

Select the WiFi network and add the network password.

Long press the pairing button on the receiver unit until the WiFi LED blinks quickly.

In the application, press “Next” and confirm that the LED indicator on the product blinks quickly.

The application will start scanning nearby devices.

After your thermostat has been identified, press “Done” to complete the procedure.

The LED on the receiver will stop blinking. At this moment, the wireless internet connection is successful. If the LED continues to blink slowly, the connection failed, repeat the procedure.

12:41 95% 75%

No devices

Add Device

Home Scan Smart Me

12:50 95% 75%

Add Device

Electrical: Window Shutter (SLW-Wi-Fi), Window Shutter (Wi-Fi), Window Shutter (BLF)

Lighting: Mover (24 FZ)

Sensors: Motion (BLE), Motion (RF), Motion (BLE)

Large Home Appliances: HVAC

Small Home Appliances: Thermostat (BLW-Wi-Fi) (selected), Thermostat (Wi-Fi)

Exercise & Health: Thermostat (Zigbee)

Cameras & Lock: Thermostat (Zigbee), Ventilation System (BLW-Wi-Fi), Ventilation System (Wi-Fi)

Gateway Control: Ventilation System (Zigbee)

Outdoor Travel: TV

Energy: TV

12:53 95% 75%

Select 2.4 GHz Wi-Fi Network and enter password.

If your Wi-Fi is 5GHz, please set it to be 2.4GHz. Common router setting method

Wi-Fi: 5GHz (selected), Wi-Fi: 2.4GHz

6AWP-2.4G

Password:

Next

14:26 95% 75%

Reset the device

Confirm the indicator is blinking

14:27 95% 75%

Connecting Device

Power on the device.

01:58

Scan Devices Register on Cloud Initialize the device

14:27 95% 92%

Cells Notification

All Devices

- PNI CT400 thermostat (Gorenje Fridge) •
- PNI CT400 thermostat (Gorenje Fridge) •
- PNI CT400 thermostat

Home Scan Smart Me

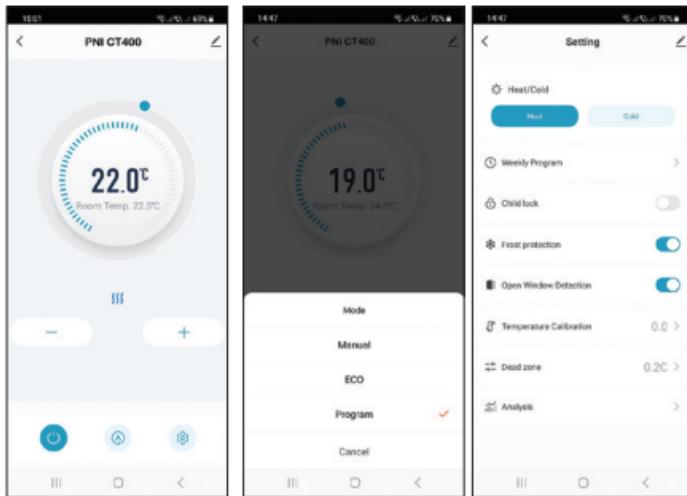
FUNCTIONS AVAILABLE IN THE APPLICATION

The following functions are available in the Tuya Smart application:

Display the set temperature and the measured temperature.
Heating/cooling status: the icon  appears when the heating system is on and the icon  when the cooling system is on.

Operation mode selection: Manual, Eco and Programmed
Advanced settings:

For the two operation modes, Heat and Cold, the following settings are available: Daily program setting (maximum 4 periods), Child protection (Keypad lock), Anti-freeze protection, Open window protection, Temperature calibration, Setting Dead Zone (Hysteresis), Temperature report.



TEMPERATURE CONTROL FROM THE THERMOSTAT

Press the Up and Down keys on the central unit to set the desired temperature.

Heating mode:

If the set temperature (SET) is higher than the temperature in the room (ROOM), the central unit will send a command to the receiver unit in a maximum of 90 seconds. The Zone LED on the receiver unit will light up and a click will be heard indicating the activation of the internal relay. The icon  (the heating system is on) appears on the screen of the

central unit.

If the set temperature (SET) is lower than the temperature in the room (ROOM), the central unit will send a command to the receiver unit in a maximum of 90 seconds. The Zone LED on the receiver unit will go out and a click will be heard indicating the activation of the internal relay. The icon  disappears from the screen.

Cooling mode:

If the set temperature (SET) is lower than the temperature in the room (ROOM), the central unit will send a command to the receiver unit in a maximum of 90 seconds. The Zone LED on the receiver unit will light up and a click will be heard indicating the activation of the internal relay. The icon  (the cooling system is on) appears on the screen of the central unit.

If the set temperature (SET) is higher than the temperature in the room (ROOM), the central unit will send a command to the receiver unit in a maximum of 90 seconds. The Zone LED on the receiver unit will go out and a click will be heard indicating the activation of the internal relay. The icon  disappears from the screen.

TEMPERATURE CONTROL FROM THE TUYA SMART APPLICATION

Open the Tuya Smart application and in the list of devices added to the application, click on the thermostat.

From the settings menu, select the cooling (Cold) or heating (Heat) mode.

In the thermostat control interface, press the “-” and “+” buttons to set the desired temperature.

In a maximum of 90 seconds, the application sends the command via the Internet to the receiver unit, which confirms by turning on/off the Zone LED and audibly with a click, which means the activation of the internal relay. In a short time, the temperature (SET) displayed on the screen of the central unit will also be updated.

Note: If the temperature on the screen of the central unit does not update within a maximum of 2 minutes, check again in the application the status of the thermostat (Online or Offline) and the set temperature.

PAIRING THE THREE UNITS

Warning: The three units come paired from the factory. Perform this procedure only if absolutely necessary.

If the thermostat appears Offline in the application, the signal icon  is missing from the screen, and the units do not communicate with each other, perform the pairing

procedure below:

Press the on/off button on the receiver unit. The LED next to the On/Off button will blink if the unit is not connected to WiFi or will be lit if the unit is connected to WiFi.

Press the button for Zone 1. The corresponding LED will blink rapidly.

Turn off the screen of the first central unit you want to pair by pressing the on/off button.

When the screen is off, press and hold the M button on the central unit until a 4-digit code appears on the screen. The code and the WiFi icon blink on the screen.

Immediately press the up arrow button to pair with the receiver unit.

After pairing, the LED corresponding to Zone 1 blinks rarely and then turns off.

The main interface appears on the screen. The WiFi icon stops blinking.

Test the functionality by changing the set temperature (SET) and watch the triggering of the relay in the receiver unit.

Proceed in the same way to pair the receiver unit with the second central unit, pressing instead the button corresponding to Zone 2.

DELETE PAIRING

To cancel the pairing between the receiver unit and a central unit on a certain zone, delete the desired unit from the application or pair a new unit on the respective zone. The previously paired unit on the respective area will be deleted automatically.

LOST OR WEAK SIGNAL

In case of loss of the RF signal between the receiver unit and the central unit, the WiFi icon on the screen will disappear, and the LED corresponding to the zone (Zone 1 or Zone 2) will blink rarely.

In case of loss of the WiFi signal between the receiver unit and the router, the WiFi LED on the receiver unit will blink.

Recommendations:

Change the batteries of the central unit if necessary.

Bring the units closer to each other and the receiver unit to the WiFi router and check the status of the devices again.

If in a few minutes the operation does not return to normal and the Zone LED continues to blink rarely, delete and perform the pairing procedures again: first of the central unit with the receiver unit and then the pairing with the

wireless router (through the application mobile).

SET THE TIME AND THE DAY OF THE WEEK

With the screen on, long press the M button for 5-6 seconds. Only the time remains displayed on the screen, and the minute indicator flashes.

Press the Up and Down keys until you reach the desired value. Press the M key to confirm.

The hour indicator blinks. Press the Up and Down keys until you reach the desired value. Press the M key to confirm.

The indicator corresponding to the day of the week, 1 (Monday) - 7 (Sunday) will flash. Press the Up and Down keys until you reach the desired value. Press the M key to confirm.

The screen returns to normal display mode.

OPEN WINDOW DETECTION

When the open window detection function is activated by the application, the system will automatically stop the heating if a sudden drop in temperature is registered (2°C in 15 minutes by default). The “open window” icon appears on the screen, and the set temperature (SET) becomes 5°C.

This function is useful when opening a window (for ventilation, for example) without stopping the heating.

The thermostat will return to the previous operating mode after 30 minutes, and the “open window” icon will disappear from the screen.

Any other button press within 30 minutes will stop the function, bringing the system to the previous mode of operation.

DAILY PROGRAM CONFIGURATION VIA THE THERMOSTAT

Note: The configuration of the daily program can also be done through the Tuya Smart application, the procedure that, for ease of execution, we recommend.

With the screen on, long press the P button (6-7 seconds) to enter the PROGRAM settings. The days of the week are marked from 1 (Monday) to 7 (Sunday). Each day has 4 time periods (1 ~ 4). Each press of the P button leads to the next setting.

Long press the P button. The minute indicator flashes. Change the value using the Up and Down buttons.

Press the P button. The hour indicator flashes. Change the value using the Up and Down buttons.

Press the P button. The indicator for the set temperature

(SET) flashes. Change the value using the Up and Down buttons.

Press the P button for the next period.

Repeat the steps for the other days and periods.

Example of temperature programming for days:

Day	h	°C	h	°C	h	°C	h	°C
1-5	7:00	22°C	8:30	19°C	17:00	22°C	22:00	19°C
6	8:00	22°C	8:30	22°C	17:00	22°C	22:00	19°C
7	8:00	22°C	8:30	22°C	17:00	22°C	22:00	19°C

ADVANCED SETTINGS

Turn off the central unit by pressing the on/off button.

With the screen off, press and hold the M and Up buttons simultaneously.

Press the M button to navigate through the menu and the Up and Down arrows to change the Options.

Press the on/off button to exit the menu.

Menu	Description	Options	Default

01	Internal sensor temperature calibration	-8°C ~ 8°C (step 0.1°C)	0°C
02	Setting the maximum set temperature limit	5°C ~ 35°C	35°C
03	Setting the minimum set temperature limit	5°C ~ 35°C	5°C
05	Frost protection temperature	5°C ~ 15°C	5°C
09	Hysteresis (Deadzone)	0.1°C ~ 6°C (step 0.1°C)	0.2°C
11	Key lock function	1: On / 0: Off (Long press the M key for 5s. to unlock the keys)	0
12	Open window detection - OWD	On Off	0
13	OWD - Detection time	2 ~ 30 min.	15 min.
14	OWD - Temperature drop (during detection)	2,3,4 °C	2°C

15	OWD - Time Delay (return to previous setting/program)	10 ~ 60 min.	30 min.
17	Return to factory settings	0: No 1: Yes Long press on/off for 5s. until the thermostat restarts.	0
	Software version	5055-02	

ATENTIONARI SPECIALE

Deoarece produsul trebuie conectat la o retea de alimentare cu energie electrica 230 V si la un echipament de incalzire, instalarea trebuie facuta doar de catre personal calificat, pentru a evita defectarea iremediabila a produsului si a echipamentelor de incalzire la care se conecteaza, defecte care nu fac obiectul garantiei.

Va recomandam ca pentru instalarea si configurarea initiala a echipamentului sa apelati la personal calificat, cu experienta in domeniu, pentru intelegera corecta a termenilor si procedurilor tehnice detaliate in acest manual. Utilizarea produsului este simpla, atat Unitatea termostat mobila cat si aplicatia de smartphone avand o interfata intuitiva si usor de configurat si setat.

Pentru accesarea/monitorizarea/controlul produsului de la distanta de pe smartphone este necesara prezenta unei surse de internet (router WiFi) in incinta in care este montat termostatul.

INFORMATII GENERALE

Termostatul inteligent PNI CT400 a fost dezvoltat pentru a oferi clientilor un plus de confort zi de zi in spatiile de locuit, la birou sau in alte incinte oferind posibilitatea de a

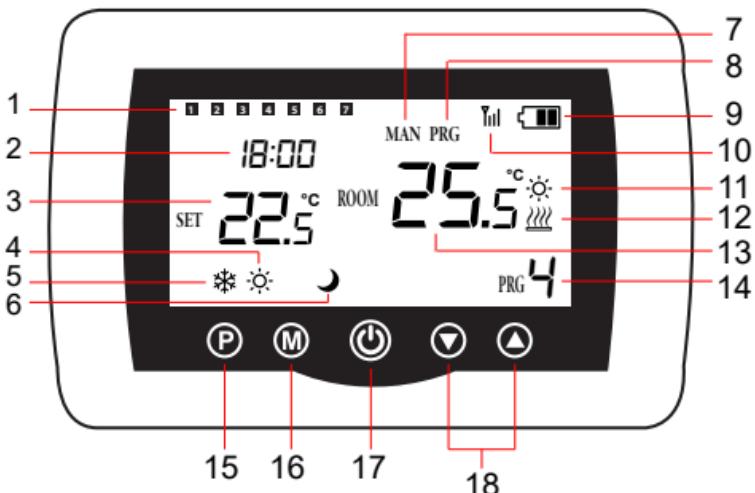
monitoriza si porni/opri sistemele de incalzire fie automat, programat pe perioade orare in fiecare zi a saptamanii, fie manual de la distanta, oricand si de oriunde prin intermediul internetului si a aplicatiei dedicate pentru smartphone cu Android sau iOS pentru 2 zone distincte separate hidraulic prin pompe, electrovalve sau sau chiar centrale separate.

DETALII TEHNICE/ SPECIFICATII

- Alimentare unitate centrala: 2 baterii AAA
- Alimentare unitate receptor: 230VAC 50/60Hz
- Tip comanda unitate receptor: 2 x releu NO/NC (normal deschis/inchis) fara potential (neenergizat)
- Parametri de functionare releu: maxim 250 V, maxim 10 Amperi (rezistiv), curent AC/DC
- Compatibil cu toate centralele termice prevazute cu intrare termostat compatibil cu releu NO fara potential.
- Plaja temperatura reglabilă/setabilă: 5 - 35°C cu pas de 0.5°C
- Temperatura masurabilă/afisabilă: 0 - 50°C cu pas de 0.1°C
- Unitate de masura temperatura: doar grade Celsius
- Umiditate acceptata: 85% fara condens in aer
- Iluminare ecran: Da
- Senzor temperatura: NTC 10K, 3950 Ohms @ 25°C

- Precizie senzor: $\pm 0.1^\circ\text{C}$ (calibrare senzor cu pas de 0.1°C)
- Grad de protectie: IP30
- Carcasa: ABS cu standard anti-incendiu UL94-5
- Frecventa WiFi: 2.4GHz
- Putere de emisie WiFi: 100mW
- Conectivitate RF intre unitati: 868 MHz
- Putere de emisie RF: <25mW
- Compatibilitate aplicatie smartphone: minim iOS 9/minim Android 4.2

DESCRIERE UNITATE CENTRALA



1	Ziua saptamanii 1 (luni) - 7 (duminica)	10	Indicator semnal wireless
2	Ora curenta	11	Indicator racire pornita
3	Temperatura setata	12	Indicator incalzire pornita
4	Mod incalzire activ	13	Temperatura din camera
5	Mod racire activ	14	Numar program activ
6	Mod Eco activ	15	Selectare mod Eco, Manual, Programat
7	Mod Manual activ	16	Selectare mod Incalzire, Racire
8	Mod Programat activ	17	Pornire/Oprire termostat
9	Indicator baterie	18	Sageata Sus si Jos pentru setare temperatura si parametri

DESCRIERE UNITATE RECEPTOR

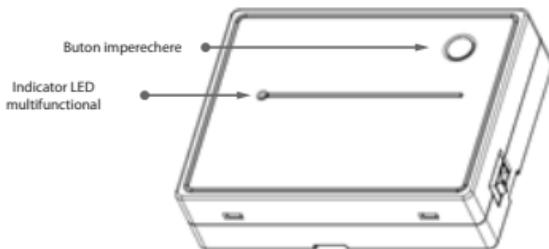


DIAGRAMA CONEXIUNI UNITATE RECEPTOR

Operatiunea de conectare a unitatii receptor la o sursa de alimentare 230V si la 2 pompe/electrovalve /centrale termice se executa doar de catre personal calificat si doar dupa consultarea in prealabil a documentatiilor termostatului si pompelor/electrovalvelor/centralelor.

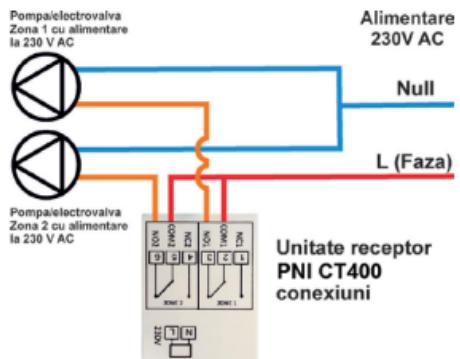
Unitatea receptor are doua iesiri/comenzi de tip releu (COM-NO- NC/Normal Deschis si Normal Inchis) fara potential (neenergizat). Fiecare releu executa inchiderea/deschiderea unui circuit de comanda/alimentare si suporta un curent maxim de 10 A si o tensiune maxima de 250 V AC/DC.

Astfel, daca instalatia termica este conceputa cu 2 zone separate hidraulic cu 2 pompe/electrovalve sau chiar 2

centrale puteti controla separat incalzirea fiecarei zone (pompe/electrovalve/centrale) in parte cu ajutorul acestui termostat cu 2 unitati de monitorizare/control. Regasiti exemple de conectare cu pompe/electrovalve sau anumite modele de centrale termice centrale termice la sfarsitul manualului.

EXEMPLU DE CONECTARE TERMOSTAT PNI CT400 LA 2 POMPE/ELECTROVALVE CU ALIMENTARE LA 230V AC*

*Instalarea trebuie facuta obligatoriu doar de catre un instalator autorizat si doar dupa consultarea manualelor, verificarea conexiunilor si compatibilitatea acestora.



INSTRUCTIUNI SI ATENTIONARI LA PRIMA UTILIZARE

Nota: Sistemul vine cu cele trei unitati imperecheate din fabrica. La instalare, mai este necesara doar conectarea unitatii receptor cu router-ul wireless din casa.

Introduceti 2 baterii AAA alcaline (nu sunt incluse) in unitatea centrala si porniti unitatea apasand butonul de pornire/oprire.

Pe ecranul unitatii centrale, indicatorul de retea clipeste, pentru a indica ca termostatul nu este conectat la internet.

Conectati unitatea receptor la o sursa de alimentare 230V (operatiunea trebuie efectuata doar de personal calificat).

Asigurati-vă ca termostatul functionează corect, pornind/oprind cele două unități și verificând starea LED-urilor.

CONTROL DIN APLICATIA TUYA SMART

Nota 1: Datorita numeroaselor update-uri ale aplicatiei Tuya Smart este posibil ca imaginile si informatiile descrise in acest manual sa fie diferite de versiunea pe care ati instalat-o.

Nota 2: Pentru o configurare rapida, asigurati-vă ca telefonul și termostatul se află cat mai aproape unul de altul (1-3 m).

Conectati telefonul mobil la reteaua wireless 2.4 GHz din apropiere si activati locatia GPS.

ATENTIE: Asigurati-vă ca ati conectat telefonul la reteaua wireless pe frecventa de 2.4 GHz. Router-ele si telefoanele de generatie noua vin echipate si cu reteaua wireless de 5 GHz dar termostatul PNI nu suporta aceasta frecventa.

Descarcati aplicatia Tuya Smart din App Store sau Google Play sau scanati codul QR de mai jos:



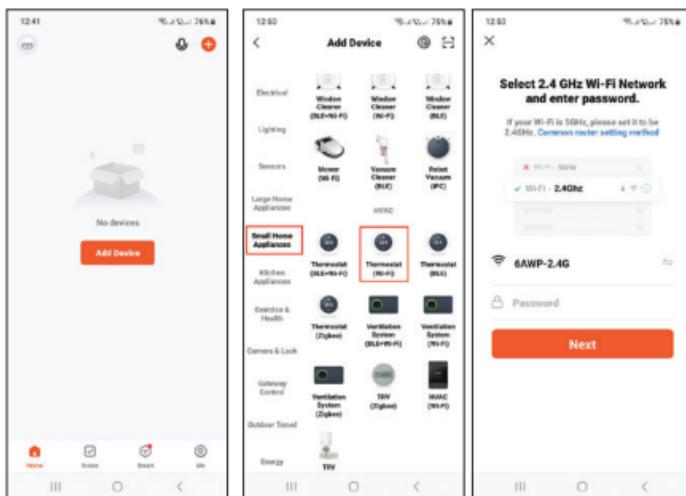
Deschideti aplicatia Tuya Smart si apasati pe butonul + sau pe "Add device" pentru a adauga termostatul in aplicatie. In interfata urmatoare, selectati optiunea "Small Home Appliances" - "Thermostat (Wi-Fi)".

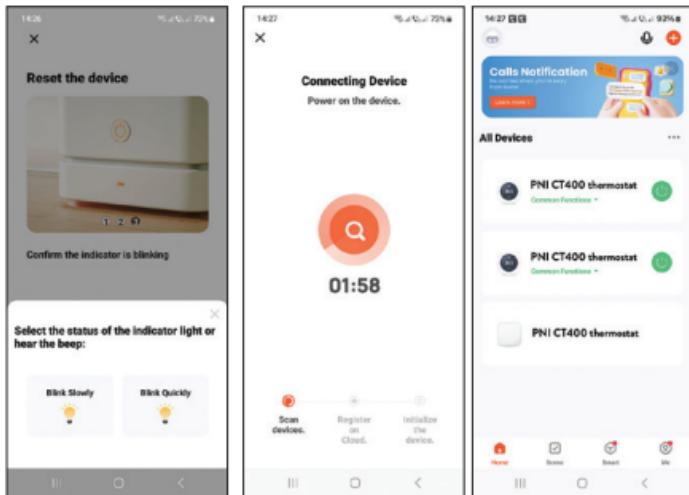
Selectati reteaua WiFi si adaugati parola retelei.

Cand unitatea receptor este pornita, apasati lung butonul de pornire/oprire si imperechere WiFi de pe unitatea receptor pana cand LED-ul corespunzator clipeste des.

In aplicatie, apasati pe "Next" si confirmati ca indicatorul LED de pe produs clipeste des.

Aplicatia va porni scanarea dispozitivelor din apropiere. Dupa ce termostatul dvs. a fost identificat, apasati pe "Done" pentru a finaliza procedura. LED-ul de pe receptor va ramane aprins. In acest moment conectarea la internet prin wireless este reusita. Daca LED-ul continua sa clipeasca lent, conexiunea nu a reusit, reluați procedura.





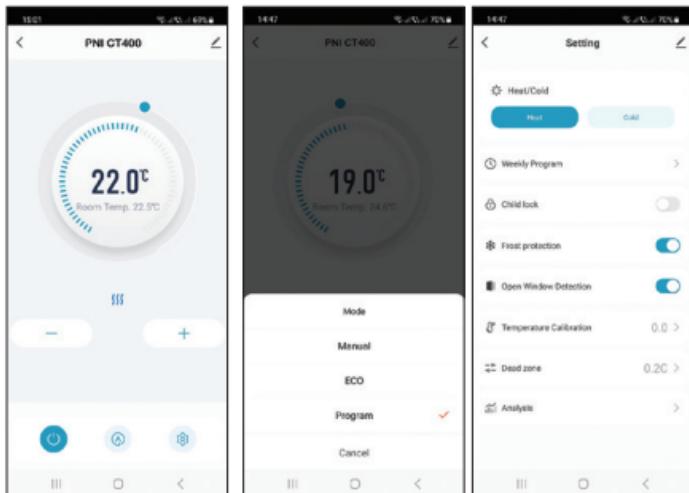
Apasati lung butonul de pornire/oprire de pe unitatea receptor pentru a sterge unitatea din aplicatie.

FUNCTII DISPONIBILE IN APLICATIE

In aplicatia Tuya Smart sunt disponibile urmatoarele functii:
Afisare temperatura setata si temperatura masurata.
Afisare stare incalzire/racire: apare pictograma cand sistemul de incalzire este pornit si pictograma cand sistemul de racire este pornit.

Selectare mod de lucru: Manual, Eco si Programat.
Setari avansate:

Pentru cele doua moduri de lucru, Heat (Incalzire) si Cold (Racire) sunt disponibile urmatoarele setari: Setare program zilnic (maxim 4 perioade), Protectie copii (Blocare taste), Protectie anti-inghet, Protectie geam deschis, Calibrare temperatura, Setare Dead Zone (Hysteresis), Afisare raport temperatura.



CONTROLUL TEMPERATURII DIN TERMOSTAT

Apasati tastele Sus si Jos de pe unitatea centrala pentru a seta temperatura dorita.

Mod incalzire:

Daca temperatura setata (SET) este mai mare decat temperatura din camera (ROOM), unitatea centrala va trimite in maxim 90 de secunde o comanda catre unitatea receptor. LED-ul corespunzator zonei (Zona 1 sau Zona 2) de pe unitatea receptor se va aprinde si se va auzi un click care indica actionarea releului din interior. Pe ecranul unitatii centrale apare pictograma (incalzire pornita).

Daca temperatura setata (SET) este mai mica decat temperatura din camera (ROOM), unitatea centrala va trimite in maxim 90 de secunde o comanda catre unitatea receptor. LED-ul corespunzator zonei (Zona 1 sau Zona 2) de pe unitatea receptor se va stinge si se va auzi un click care indica actionarea releului din interior. Pictograma dispare de pe ecran.

Mod racire:

Daca temperatura setata (SET) este mai mica decat temperatura din camera (ROOM), unitatea centrala va trimite in maxim 90 de secunde o comanda catre unitatea receptor. LED-ul corespunzator zonei (Zona 1 sau Zona 2) de pe unitatea receptor se va aprinde si se va auzi un click care indica actionarea releului din interior. Pe ecranul unitatii centrale apare pictograma (racire pornita).

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receptor. LED-ul corespunzator zonei (Zona 1 sau Zona 2) de pe unitatea receptor se va stinge si se va auzi un click care indica actionarea releului din interior. Pictograma  dispare de pe ecran.

CONTROLUL TEMPERATURII DIN APLICATIA TUYA SMART

Deschideti aplicatia Tuya Smart si in lista de dispozitive adaugate in aplicatie, apasati pe termostatul zonei dorite. Din meniul de setari, selectati modul racire (Cold) sau incalzire (Heat).

In interfata de control a termostatului, apasati pe butoanele “-“ si “+“ pentru a seta temperatura dorita.

In maxim 90 de secunde aplicatia trimite comanda prin internet catre unitatea receptor, care confirma prin aprinderea/stingerea LED-ului corespunzator zonei (Zona 1 sau Zona 2) si in mod sonor printr-un click, care indica actionarea releului din interior. In scurt timp, se va actualiza si temperatura (SET) afisata pe ecranul unitatii centrale.

Nota: Daca temperatura pe ecranul unitatii centrale nu se actualizeaza intr-un interval de maxim 2 minute, verificati din nou in aplicatie statusul termostatului (Online sau Offline) si temperatura setata.

IMPERECHERE UNITATE CENTRALA CU UNITATE RECEPTOR

Atentionari:

1. Cele trei unitati vin imperecheate din fabrica. Executati aceasta procedura doar daca este absolut necesar.
2. Imperecheati mai intai cele trei unitati si mai apoi adaugati termostatul in aplicatia Tuya Smart.

Daca termostatul apare Offline in aplicatie, pictograma de semnal  lipseste de pe ecran si unitatile nu comunica intre ele, executati procedura de imperechere de mai jos:
Apasati butonul de pornire/oprire de pe unitatea receptor. LED-ul din dreptul butonului On/Off va clipi daca unitatea nu este conectata la WiFi sau va fi aprins daca unitatea este conectata la WiFi.

Apasati butonul pentru Zona 1. LED-ul corespunzator va clipi rapid.

Stingeti ecranul primei unitati centrale pe care doriti sa o imperecheati apasand butonul de pornire/oprire.

Cand ecranul este stins, apasati lung butonul M de pe unitatea centrala pana cand pe ecran apare un cod format din 4 cifre. Codul si pictograma  clipesc pe ecran.

Imediat, apasati butonul sageata sus pentru a efectua imperecherea cu unitatea receptor.

Dupa imperechere, LED-ul corespunzator Zonei 1 clipeste

rar apoi se stinge.

Pe ecran apare interfata principala. Pictograma  nu mai clipeste.

Testati functionalitatea modificand temperatura setata (SET) si urmariti declansarea releului din unitatea receptor. Procedati la fel si pentru imperecherea unitatii receptor cu cea de-a doua unitate centrala, apasand in schimb butonul corespunzator Zonei 2.

STERGERE IMPERECHERE UNITATI

Pentru a anula imperecherea dintre unitatea receptor si o unitate centrala pe o anumita zona, stergeti din aplicatie unitatea dorita sau imperecheati pe zona respectiva o noua unitate. Unitatea imperecheata anterior pe zona respectiva va fi stearsa automat.

SEMNAL SLAB SAU PIERDUT

In cazul pierderii semnalului RF dintre unitatea receptor si unitatea centrala, pictograma  de pe ecran va disparea, iar LED-ul corespunzator zonei (Zona 1 sau Zona 2) va clipi rar.

In cazul pierderii semnalului WiFi dintre unitatea receptor si router, LED-ul corespunzator de pe unitatea receptor va clipi.

Recomandari:

Schimbati bateriile unitatii centrale daca este necesar.
Apropiati unitatile una de alta si unitatea receptor de routerul WiFi si verificati din nou starea dispozitivelor.
Daca in cateva minute functionarea nu revine la normal iar LED-ul corespunzator zonei (Zona 1 sau Zona 2) continua sa clipeasca rar, stergeti si executati din nou procedurile de imperechere: mai intai a unitatii centrale cu unitatea receptor si mai apoi imperecherea cu routerul wireless (prin aplicatia de mobil).

SETARE ORA SI ZIUA SAPTAMANII

Cu ecranul aprins, apasati lung butonul M timp de 5-6 secunde. Pe ecran ramane afisata doar ora, iar indicatorul minutelor clipeste.

Apasati tastele Sus si Jos pana ajungeti la valoarea dorita.
Apasati tasta M pentru a confirma.

Indicatorul orei la clipi. Apasati tastele Sus si Jos pana ajungeti la valoarea dorita. Apasati tasta M pentru a confirma.

Indicatorul corespunzator zilei saptamanii, 1 (luni) - 7 (duminica) va clipi. Apasati tastele Sus si Jos pana ajungeti la valoarea dorita. Apasati tasta M pentru a confirma.

Ecranul revine la modul normal de afisare.

FUNCTIA DETECTIE GEAM DESCHIS

Cand functia de detectie geam deschis este activata prin aplicatie, sistemul va opri automat incalzirea daca se inregistreaza o scadere brusca a temperaturii (2°C in 15 minute in mod implicit). Pictograma "geam deschis" apare pe ecran, iar temperatura setata (SET) devine 5°C .

Aceasta functie este utila atunci cand se deschide o fereastra (pentru aerisire, de exemplu) fara sa se opreasca incalzirea.

Termostatul va reveni la modul de functionare anterior dupa 30 de minute, iar pictograma "geam deschis" va dispare de pe ecran.

Orice alta apasare de buton in perioada de 30 de minute va opri functia, aducand sistemul la modul anterior de functionare.

**CONFIGURARE
TERMOSTAT**

PROGRAM

ZILNIC

PRIN

Nota: Configurarea programului zilnic poate fi facuta si prin aplicatia Tuya Smart, procedura pe care, pentru usurinta executarii, o recomandam.

Cu ecranul aprins, apasati lung butonul P (6-7 secunde) pentru a intra in setarile de PROGRAM. Zilele saptamanii

sunt marcate de la 1 (luni) la 7 (duminica). Fiecare zi are 4 perioade de timp (1 ~ 4). Fiecare apasare a butonului P duce la setarea urmatoare.

Apasati lung butonul P. Indicatorul pentru minute clipeste. Schimbati valoarea cu ajutorul butoanelor Sus si Jos.

Apasati butonul P. Indicatorul pentru ora clipeste. Schimbati valoarea cu ajutorul butoanelor Sus si Jos.

Apasati butonul P. Indicatorul pentru temperatura setata (SET) clipeste. Schimbati valoarea cu ajutorul butoanelor Sus si Jos.

Apasati butonul P pentru perioada urmatoare.

Repetati pasii pentru celelalte zile si perioade.

Exemplu de programare temperatura pe zile:

Zi	Ora	Temp	Ora	Temp	Ora	Temp	Ora	Temp
1-5	7:00	22°C	8:30	19°C	17:00	22°C	22:00	19°C
6	8:00	22°C	8:30	22°C	17:00	22°C	22:00	19°C
7	8:00	22°C	8:30	22°C	17:00	22°C	22:00	19°C

SETARI AVANSATE

Opriti unitatea centrala apasand butonul de pornire/oprire. Cu ecranul stins, apasati lung si simultan butoanele M si Sus.

Apasati butonul M pentru a naviga prin meniu si sagetile Sus si Jos pentru a modifica valorile.

Apasati butonul de pornire/oprire pentru a iesi din meniu.

Meniu	Descriere	Plaja valori	Valoare implicita
01	Calibrare temperatura senzor intern	-8°C ~ 8°C (pas 0.1°C)	0°C
02	Setare limita maxima temperatura setata	5°C ~ 35°C	35°C
03	Setare limita minima temperatura setata	5°C ~ 35°C	5°C
05	Temperatura protectie inghet	5°C ~ 15°C	5°C
09	Hysteresis	0.1°C ~ 6°C	0.2°C
11	Functie blocare taste	1: Pornit / 0: Oprit (Apasati lung timp de 5 sec. tasta M pentru a debloca tastele)	0

12	Functie detectie geam deschis - OWD	On: Pornit Off: Oprit	0
13	OWD - Timp detectie	2 ~ 30 min.	15 min.
14	OWD - Scadere temperatura (in timpul de detectie)	2,3,4 °C	2°C
15	OWD - Timp Intarziere (revenire la setare/program anterior)	10 ~ 60 min.	30 min.
17	Revenire la setarile din fabrica	0: Nu 1: Da Apasati lung butonul de pornire/oprire timp de 5 secunde pana se restarteaza termostatul.	0
	Versiune Software	5055-02	

EN:

EU Simplified Declaration of Conformity

SC ONLINESHOP SRL declares that wireless smart thermostat PNI CT400 complies with the Directive EMC 2014/30/EU and RED 2014/53/UE. The full text of the EU declaration of conformity is available at the following internet address:

<https://www.mypni.eu/products/7555/download/certifications>

RO:

Declaratie UE de conformitate simplificata

SC ONLINESHOP SRL declara ca Termostat intelligent PNI CT400 fara fir este in conformitate cu Directiva EMC 2014/30/EU si Directiva RED 2014/53/UE. Textul integral al declaratiei UE de conformitate este disponibil la urmatoarea adresa de internet:

<https://www.mypni.eu/products/7555/download/certifications>

English - CERTIFICATE OF QUALITY AND COMMERCIAL WARRANTY

The warranty period for natural persons is 24 months as of the delivery date for the manufacturing and material defects.

The warranty period for legal entities is 12 months as of the delivery date for the manufacturing and material defects.

The cables, adaptors, consumables, batteries, accumulators, battery chargers, transformers, microphones, earphones, aerials which are part of the products or are delivered with them shall have a **commercial warranty of 6 months** as of the date of the product sale to the end consumer. The term of warranty shall be calculated as of the invoicing date of each product individually.

The average term of the product service life is 48 months subject to the compliance with the assembly and operation instructions accompanying the product.

The commercial warranty shall not impair the consumer rights provided by the applicable legislation in force, namely Emergency Government Ordinance 140/28.12.2021 on certain issues related to contracts for the sale of goods, the Government Ordinance 21/1992 on the consumer protection as subsequently amended and supplemented by Law 296/2004 on the consumption code as subsequently amended and supplemented.

Romana - CERTIFICAT DE CALITATE SI GARANTIE COMERCIALA

Perioada de garantie pentru persoane fizice este de 24 luni de la data livrarii pentru defectele de fabricatie si de material.

Perioada de garantie pentru persoane juridice este de 12 luni de la data livrarii pentru defectele de fabricatie si de material.

Cablurile, adaptoarele, consumabilele, bateriile, acumulatorii, alimentatoarele, transformatoarele, microfoanele, castile, antenele care intra in componenta produselor sau se livreaza impreuna cu acestea au garantie comerciala de **6 luni** de la data vanzarii produsului catre consumatorul final.

Termenul de garantie se calculeaza de la data facturarii fiecarui produs in parte.

Durata medie de utilizare a produsului este de 48 luni cu conditia respectarii instructiunilor de montaj si utilizare care insotesc produsul.

Garantia comerciala nu afecteaza drepturile consumatorului prevazute prin legislatia aplicabila in vigoare, respectiv Ordonanta de Urgenta 140/28.12.2021 privind anumite aspecte referitoare la contractele de vanzare de bunuri, OG 21/1992 privind protectia consumatorilor cu modificarile si completarile ulterioare si Legea 296/2004 privind codul consumului cu modificarile si completarile ulterioare.

**EN - Please download the full version of the warranty
certificate:**

**RO - Va rugam descarcati versiunea completa a
certificatului de garantie:**



EN - Please download the full version of the user manual

**RO - Va rugam, descarcati versiunea completa a
manualului de utilizare:**



