

# PNI CT28M

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## *Control module for thermostat*

BG.	Контролен модул
DE.	Steuermodul
ES.	Módulo de control
FR.	Module de contrôle
HU.	Vezérlő modul
IT.	Modulo di controllo
NL.	Besturingsmodule
PL.	Moduł sterujący
RO.	Modul de control

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## *Main functions*

It supports up to 8 room thermostats.

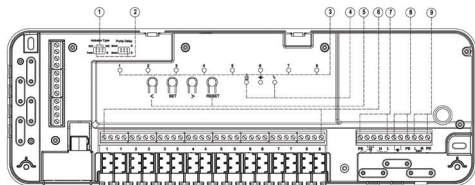
It supports up to 16 thermal actuators.




Heating boiler and heat pump delay setting.

## *Technical specifications*

Supply voltage	230 V AC, 50/60 Hz
Heat pump output	230 V AC
Heating boiler output	Voltage-free output
Communication frequency	868MHz / <25mW
Total current	Max. 3 A
Current on each zone	Max. 2 A
Dimensions	353 x 118 x 60 mm
Operating temperature	-26 ~ 80°C

































## Product overview



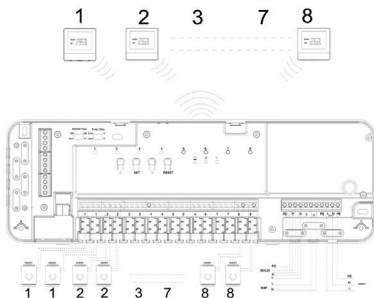
1. NO/NC valve selection	5. Zone selection (arrow keys), Pairing (SET key), Reset (RESET key)					
2. Heat pump or heating boiler delay setting	6. Thermal actuator connection (zone 1 - 8)					
3. Zone LED indicators	7. Heating boiler connection					
  	<table border="1"> <tr> <td data-bbox="200 1126 515 1185">Heating boiler on</td> <td data-bbox="520 1112 961 1231" rowspan="3">8. Heat pump connection</td> </tr> <tr> <td data-bbox="200 1191 515 1249">Heat pump on</td> </tr> <tr> <td data-bbox="200 1255 515 1348">Power 230V</td> <td data-bbox="520 1237 961 1348">9. 230V connection</td> </tr> </table>	Heating boiler on	8. Heat pump connection	Heat pump on	Power 230V	9. 230V connection
Heating boiler on	8. Heat pump connection					
Heat pump on						
Power 230V		9. 230V connection				

## Valve type and delay selection

Solenoid valve type: NO / NC; Delay: 0 - 6 minutes

0 Min.	NC  NO 2min  0 1min  0 3min  0	4 Min.	NC  NO 2min  0 1min  0 3min  0
1 Min.	NC  NO 2min  0 1min  0 3min  0	5 Min.	NC  NO 2min  0 1min  0 3min  0
2 Min.	NC  NO 2min  0 1min  0 3min  0	6 Min.	NC  NO 2min  0 1min  0 3min  0
3 Min.	NC  NO 2min  0 1min  0 3min  0	Valve Type	NC  NO   

## Connection diagram



## ***Pairing with the PNI CT28 PRO thermostat control unit***

### ***Notes:***

- 1. In order to control a heat pump or a boiler, the PNI CT28M control module must be paired with the PNI CT28 PRO thermostat control unit.***
- 2. The PNI CT28 PRO control unit must be purchased separately.***

Turn off the PNI CT28 PRO control unit by pressing the on/off button.

Press and hold the M key until a four-character code and the signal indicator appear on the screen.

On the PNI CT28M control module, select the zone by pressing the arrow buttons. The LED corresponding to the zone blinks.

Briefly press the M key again. The signal icon and the screen start blinking.

On the PNI CT28M control module, briefly press the SET button. The LED corresponding to the previously selected zone blinks often for a few seconds, then goes out, indicating that the pairing was successful.

On the PNI CT28 PRO control unit, briefly press the on/off button to exit pairing mode. The screen will light up and the main interface will be displayed.

Test the communication between the two devices:

Set the temperature higher than the room temperature. After a few seconds, the icon indicating heating on appears on the screen of the control unit. On the control module, the LED of the zone and the LEDs of the pump and of the heating boiler light up.

Set the temperature lower than the room temperature. All LEDs on the control module will turn off.

Repeat the procedure for all control units you want to pair with the PNI CT28M module. A maximum of 8 units can be added.

If you want to delete an unit, select the zone using the arrow buttons, then long press the Reset button. The LED corresponding to the zone will turn off. Pairing has been deleted.

Please consult the PNI CT28 PRO manual for more details.

## *Simplified EU declaration of conformity*

ONLINESHOP SRL declares that the PNI CT28M Control Module is in accordance with the RED Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

<https://www.mypni.eu/products/10521/download/certifications>



## Основни функции

Поддържа до 8 стаини термостата.

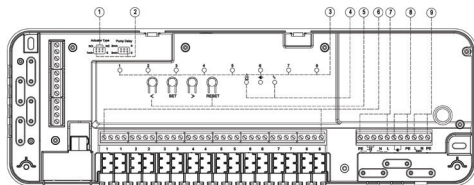
Поддържа до 16 термични задвижвания.

Настройка на забавяне на отоплителен котел и термопомпа.

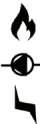
## Технически спецификации

Захранващо напрежение	230 V AC, 50/60 Hz
Мощност на термопомпата	230 V AC
Мощност на отоплителен котел	Изход без напрежение
Честота на комуникация	868MHz / <25mW
Общ ток	Макс. 3 A
Ток на всяка зона	Макс. 2 A
Размери	353 x 118 x 60 mm

## Преглед на продукта








































<p>1. Избор на NO/NC вентил</p>	<p>5. Избор на зона (клавиши със стрелки), сдвояване (клавиш SET), Нулиране (клавиш RESET)</p>
<p>2. Настройка на закъснение на термопомпа или отоплителен котел</p>	<p>6. Свързване на термичен задвижващ механизъм (зона 1 - 8)</p>
<p>3. Зонални LED индикатори</p>	<p>7. Свързване на отоплителен котел</p>

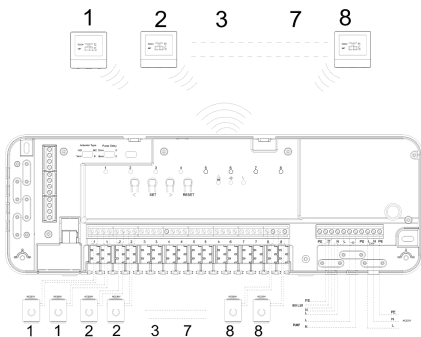
	Включен отоплителен котел	8. Свързване на термопомпа
	Включена термопомпа	9. 230V връзка
	Захранване 230V	

## Тип на вентила и избор на забавяне

Тип електромагнитен клапан: NO / NC; Закъснение: 0 - 6 минути

0 Min.	NC  NO  2min  0 1min  0 3min  0	4 Min.	NC  NO  2min  0 1min  0 3min  0
1 Min.	NC  NO  2min  0 1min  0 3min  0	5 Min.	NC  NO  2min  0 1min  0 3min  0
2 Min.	NC  NO  2min  0 1min  0 3min  0	6 Min.	NC  NO  2min  0 1min  0 3min  0
3 Min.	NC  NO  2min  0 1min  0 3min  0	Valve Type	NC  NO 

## Схема на свързване



## Сдвояване с контролния блок на термостата PNI CT28 PRO

Бележки:

1. За да управлявате термопомпа или котел, модулет за управление PNI CT28M трябва да бъде сдвоен с модула за управление на термостата PNI CT28 PRO.
2. Блокът за управление PNI CT28 PRO трябва да се закупи отделно.

Изключете контролния блок PNI CT28 PRO, като натиснете бутона за включване/изключване.

Натиснете и задръжте клавиша M, докато на екрана се появи код от четири знака и индикаторът за сигнала.

На контролния модул PNI CT28M изберете зоната, като натиснете бутоните със стрелки. Светодиодът, съответстващ на зоната, мига.

Натиснете отново за кратко клавиша M. Иконата за сигнал и екрана започват да мигат.

На контролния модул PNI CT28M натиснете за кратко бутона SET. Светодиодът, съответстващ на предварително избраната зона, мига често за няколко секунди, след което изгасва, което показва, че удвояването е успешно.

На контролния блок PNI CT28 PRO натиснете за кратко бутона за включване/изключване, за да излезете от режима на удвояване. Екранът ще светне и ще се покаже основният интерфейс.

Тествайте комуникацията между двете устройства:

Задайте температурата по-висока от стайната. След няколко секунди на екрана на контролния блок се появява иконата, показваща включено отопление.

На контролния модул светят светодиода на зоната и светодиодите на помпата и на котела.

Задайте температурата по-ниска от стайната. Всички светодиоди на контролния модул ще изгаснат.

Повторете процедурата за всички контролни модули, които искате да сдвоите с модула PNI CT28M. Могат да се добавят максимум 8 единици.

Ако искате да изтриете единица, изберете зоната с помощта на бутоните със стрелки, след което натиснете продължително бутона Reset. Светодиодът, съответстващ на зоната, ще изгасне. Сдвояването е изтрито.

## **Опростена ЕС декларация за съответствие**

ONLINESHOP SRL декларира, че контролният модул PNI CT28M е в съответствие с Директива RED 2014/53/EU. Пълният текст на ЕС декларацията за съответствие е достъпен на следния интернет адрес:

<https://www.mypni.eu/products/10521/download/certifications>

## Hauptfunktionen

Es unterstützt bis zu 8 Raumthermostate.

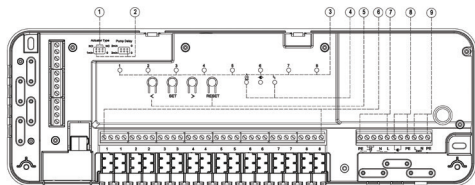
Es unterstützt bis zu 16 thermische Stellantriebe.

Heizkessel- und Wärmepumpenverzögerungseinstellung.

## Technische Daten




Versorgungsspannung	230 V AC, 50/60 Hz
Leistung Wärmepumpe	230 V AC
Leistung Heizkessel	Spannungsfreier Ausgang
Kommunikationsfrequenz	868MHz / <25mW
Gesamtstrom	Max. 3 A
Strom pro Zone	Max. 2 A
Abmessungen	353 x 118 x 60 mm
Betriebstemperatur	-26 ~ 80°C

## Produktübersicht

































<p>1. Auswahl des NO/ NC-Ventils</p>	<p>5. Zonenauswahl (Pfeiltasten), Pairing (SET-Taste), Reset (RESET-Taste)</p>
<p>2. Verzögerungse instellung für Wärmepumpe oder Heizkessel</p>	<p>6. Anschluss thermischer Stellantriebe (Zone 1 - 8)</p>
<p>3. LED-Anzeigen für Zonen</p>	<p>7. Anschluss Heizkessel</p>



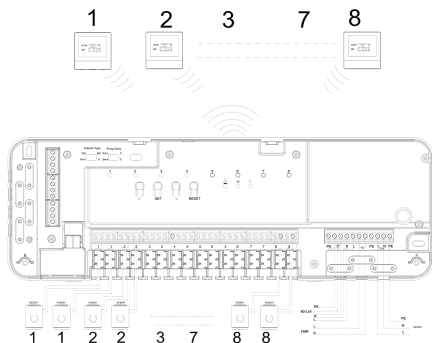
  	Heizkessel ein	8. Wärmepumpenanschluss
	Wärmepumpe ein	
	Leistung 230V	9. 230V Anschluss

## Ventiltyp und Verzögerungsauswahl

Magnetventiltyp: NO / NC; Verzögerung: 0 - 6 Minuten

0 Min.	NC  NO 2min  0 1min  0 3min  0	4 Min.	NC  NO 2min  0 1min  0 3min  0
1 Min.	NC  NO 2min  0 1min  0 3min  0	5 Min.	NC  NO 2min  0 1min  0 3min  0
2 Min.	NC  NO 2min  0 1min  0 3min  0	6 Min.	NC  NO 2min  0 1min  0 3min  0
3 Min.	NC  NO 2min  0 1min  0 3min  0	Valve Type	NC  NO 

## Anschlussplan



## Koppeln mit der Thermostat- Steuereinheit PNI CT28 PRO

Hinweise:

1. Um eine Wärmepumpe oder einen Heizkessel zu steuern, muss das Steuermodul PNI CT28M mit der Thermostat-Steuereinheit PNI CT28 PRO gekoppelt werden.
2. Die Steuereinheit PNI CT28 PRO muss separat erworben werden.

Schalten Sie die Steuereinheit PNI CT28 PRO durch Drücken der Ein-/Aus-Taste aus.

Halten Sie die M-Taste gedrückt, bis ein vierstelliger Code und die Signalanzeige auf dem Bildschirm erscheinen.

Wählen Sie auf dem Steuermodul PNI CT28M die Zone durch Drücken der Pfeiltasten aus. Die der Zone entsprechende LED blinkt.

Drücken Sie die M-Taste erneut kurz. Das Signalsymbol und der Bildschirm beginnen zu blinken.

Drücken Sie auf dem Steuermodul PNI CT28M kurz die SET-Taste. Die der zuvor ausgewählten Zone entsprechende LED blinkt einige Sekunden lang oft und erlischt dann, was anzeigt, dass die Kopplung erfolgreich war.

Drücken Sie auf der Steuereinheit PNI CT28 PRO kurz die Ein-/Aus-Taste, um den Kopplungsmodus zu verlassen. Der Bildschirm leuchtet auf und die Hauptschnittstelle wird angezeigt.

Testen Sie die Kommunikation zwischen den beiden Geräten:

Stellen Sie die Temperatur höher als die Raumtemperatur ein. Nach einigen Sekunden erscheint das Symbol für

eingeschaltete Heizung auf dem Bildschirm der Steuereinheit. Auf dem Steuermodul leuchten die LED der Zone und die LEDs der Pumpe und des Heizkessels auf.

Stellen Sie die Temperatur niedriger als die Raumtemperatur ein. Alle LEDs auf dem Steuermodul erlöschen.

Wiederholen Sie den Vorgang für alle Steuereinheiten, die Sie mit dem PNI CT28M-Modul koppeln möchten. Es können maximal 8 Einheiten hinzugefügt werden.

Wenn Sie eine Einheit löschen möchten, wählen Sie die Zone mit den Pfeiltasten aus und drücken Sie dann lange auf die Reset-Taste. Die der Zone entsprechende LED erlischt. Die Kopplung wurde gelöscht.

## ***Vereinfachte EU-Konformitätserklärung***

ONLINESHOP SRL erklärt, dass das PNI CT28M-Steuermodul der RED-Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar:

<https://www.mypni.eu/products/10521/download/certifications>

## *Funciones principales*

Admite hasta 8 termostatos de ambiente.

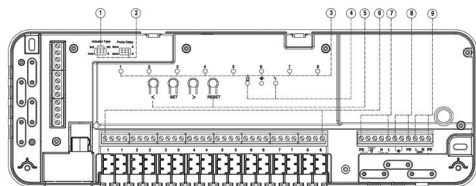
Admite hasta 16 actuadores térmicos.

Configuración de retardo de caldera de calefacción y bomba de calor.

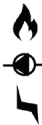
## *Especificaciones técnicas*

Tensión de alimentación	230 V AC, 50/60 Hz
Salida de la bomba de calor	230 V AC
Salida de la caldera de calefacción	Salida sin tensión
Frecuencia de comunicación	868MHz / <25mW
Corriente total	Max. 3 A
Corriente en cada zona	Max. 2 A
Dimensiones	353 x 118 x 60 mm

## Descripción general del producto








































1. Selección de válvula NO/NC	5. Selección de zona (teclas de flecha), Emparejamiento (tecla SET), Reset (tecla RESET)
2. Ajuste de retardo de bomba de calor o caldera de calefacción	6. Conexión del actuador térmico (zona 1 - 8)
3. Indicadores LED de zona	7. Conexión de la caldera de calefacción

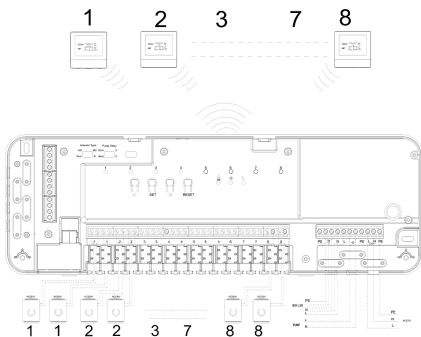
	Caldera de calefacción encendida	8. Conexión de la bomba de calor
	Bomba de calor encendida	9. Conexión 230V
	Potencia 230V	

## Selección de tipo de válvula y retardo

Tipo de válvula solenoide: NO / NC; Retardo: 0 - 6 minutos

0 Min.	NC  NO  2min  0 1min  0 3min  0	4 Min.	NC  NO  2min  0 1min  0 3min  0
1 Min.	NC  NO  2min  0 1min  0 3min  0	5 Min.	NC  NO  2min  0 1min  0 3min  0
2 Min.	NC  NO  2min  0 1min  0 3min  0	6 Min.	NC  NO  2min  0 1min  0 3min  0
3 Min.	NC  NO  2min  0 1min  0 3min  0	Valve Type	NC  NO 

## Diagrama de conexión



## Emparejamiento con la unidad de control del termostato PNI CT28 PRO

Notas:

1. Para controlar una bomba de calor o una caldera, el módulo de control PNI CT28M debe emparejarse con la unidad de control del termostato PNI CT28 PRO.
2. La unidad de control PNI CT28 PRO debe adquirirse por separado.



Apague la unidad de control PNI CT28 PRO pulsando el botón de encendido/apagado.

Mantenga pulsada la tecla M hasta que aparezca un código de cuatro caracteres y el indicador de señal en la pantalla.

En el módulo de control PNI CT28M, seleccione la zona pulsando los botones de flecha. El LED correspondiente a la zona parpadea.

Vuelva a pulsar brevemente la tecla M. El icono de señal y la pantalla empiezan a parpadear.

En el módulo de control PNI CT28M, pulse brevemente el botón SET. El LED correspondiente a la zona seleccionada anteriormente parpadea a menudo durante unos segundos y luego se apaga, lo que indica que el emparejamiento se ha realizado correctamente.

En la unidad de control PNI CT28 PRO, pulse brevemente el botón de encendido/apagado para salir del modo de emparejamiento. La pantalla se iluminará y se mostrará la interfaz principal.

Pruebe la comunicación entre los dos dispositivos:

Configure una temperatura superior a la temperatura ambiente. Después de unos segundos, en la pantalla de la unidad de control aparece el icono que indica que

la calefacción está encendida. En el módulo de control, se encienden el LED de la zona y los LED de la bomba y de la caldera de calefacción.

Configure una temperatura inferior a la temperatura ambiente. Todos los LED del módulo de control se apagarán.

Repita el procedimiento para todas las unidades de control que desee emparejar con el módulo PNI CT28M. Se pueden agregar un máximo de 8 unidades.

Si desea eliminar una unidad, seleccione la zona con los botones de flecha y luego mantenga presionado el botón Reset. El LED correspondiente a la zona se apagará. El emparejamiento se ha eliminado.

## ***Declaración de conformidad UE simplificada***

ONLINESHOP SRL declara que el Módulo de control PNI CT28M es conforme con la Directiva RED 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la siguiente dirección de Internet:

<https://www.mypni.eu/products/10521/download/certifications>

## Fonctions principales

Il prend en charge jusqu'à 8 thermostats d'ambiance.

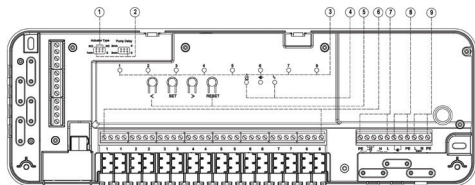
Il prend en charge jusqu'à 16 actionneurs thermiques.

Réglage du délai de la chaudière et de la pompe à chaleur.

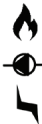
## Spécifications techniques

Tension d'alimentation	230 V AC, 50/60 Hz
Puissance pompe à chaleur	230 V AC
Puissance chaudière	Sortie sans tension
Fréquence de communication	868MHz / <25mW
Courant total	Max. 3 A
Courant sur chaque zone	Max. 2 A
Dimensions	353 x 118 x 60 mm
Température de fonctionnement	-26 ~ 80°C

## Présentation du produit

































1. Sélection de la vanne NO/NC	5. Sélection de zone (touches fléchées), Appairage (touche SET), Réinitialisation (touche RESET)
2. Réglage du délai de la pompe à chaleur ou de la chaudière de chauffage	6. Raccordement de l'actionneur thermique (zone 1 - 8)
3. Indicateurs LED de zone	7. Raccordement de la chaudière de chauffage

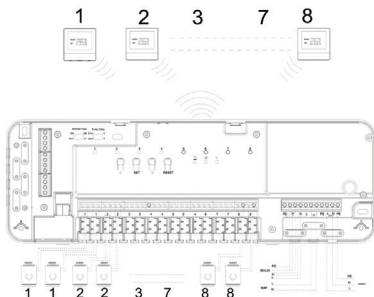
	Chaudière de chauffage en marche	8. Raccordement de la pompe à chaleur
	Pompe à chaleur en marche	9. Connexion 230V
	Alimentation 230V	

## Sélection du type de vanne et du délai

Type d'électrovanne : NO / NC ; Délai : 0 - 6 minutes

0 Min.	NC  NO 2min  0 1min  0 3min  0	4 Min.	NC  NO 2min  0 1min  0 3min  0
1 Min.	NC  NO 2min  0 1min  0 3min  0	5 Min.	NC  NO 2min  0 1min  0 3min  0
2 Min.	NC  NO 2min  0 1min  0 3min  0	6 Min.	NC  NO 2min  0 1min  0 3min  0
3 Min.	NC  NO 2min  0 1min  0 3min  0	Valve Type	NC  NO 

## Schéma de connexion



## Appairage avec le boîtier de commande thermostat PNI CT28 PRO

Remarques :

1. Pour commander une pompe à chaleur ou une chaudière, le module de commande PNI CT28M doit être appairé avec le boîtier de commande thermostat PNI CT28 PRO.

2. Le boîtier de commande PNI CT28 PRO doit être acheté séparément.

Éteignez le boîtier de commande PNI CT28 PRO en appuyant sur le bouton marche/arrêt.

Maintenez la touche M enfoncée jusqu'à ce qu'un code à quatre caractères et l'indicateur de signal apparaissent à l'écran.

Sur le module de commande PNI CT28M, sélectionnez la zone en appuyant sur les boutons fléchés. La LED correspondant à la zone clignote.

Appuyez à nouveau brièvement sur la touche M. L'icône de signal et l'écran commencent à clignoter.

Sur le module de commande PNI CT28M, appuyez brièvement sur le bouton SET. La LED correspondant à la zone précédemment sélectionnée clignote souvent pendant quelques secondes, puis s'éteint, indiquant que l'appairage a réussi.

Sur le boîtier de commande PNI CT28 PRO, appuyez brièvement sur le bouton marche/arrêt pour quitter le mode appairage. L'écran s'allume et l'interface principale s'affiche.

Testez la communication entre les deux appareils :

Réglez la température plus haut que la température ambiante. Après quelques secondes, l'icône indiquant le chauffage en marche apparaît sur l'écran de l'unité de commande. Sur le module de commande, la LED de la zone et les LED de la pompe et de la chaudière de

chauffage s'allument.

Réglez la température plus bas que la température ambiante. Toutes les LED du module de commande s'éteignent.

Répétez la procédure pour toutes les unités de commande que vous souhaitez associer au module PNI CT28M. Un maximum de 8 unités peuvent être ajoutées.

Si vous souhaitez supprimer une unité, sélectionnez la zone à l'aide des boutons fléchés, puis appuyez longuement sur le bouton Reset. La LED correspondant à la zone s'éteint. L'association a été supprimée.

Veuillez consulter le manuel PNI CT28 PRO pour plus de détails.

## ***Déclaration de conformité UE simplifiée***

ONLINESHOP SRL déclare que le module de commande PNI CT28M est conforme à la directive RED 2014/53/UE. Le texte intégral de la déclaration de conformité UE est disponible à l'adresse Internet suivante:

<https://www.mypni.eu/products/10521/download/certifications>



## Fő funkciók

Akár 8 szobatermosztátot támogat.

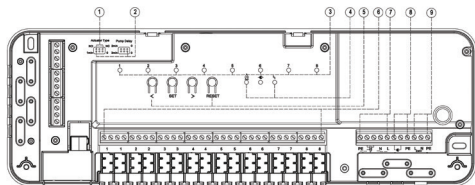
Akár 16 termikus aktuátort támogat.

Fűtőkazán és hőszivattyú késleltetés beállítása.

## Műszaki előírások

Tápfeszültség	230 V AC, 50/60 Hz
Hőszivattyú teljesítmény	230 V AC
Fűtési kazán teljesítménye	Feszültségmentes kimenet
Kommunikációs frekvencia	868MHz / <25mW
Teljes áram	Max. 3 A
Áram minden zónán	Max. 2 A
Méretek	353 x 118 x 60 mm
Üzemi hőmérséklet	-26 ~ 80°C

## Termék áttekintése








































1. NO/NC szelep kiválasztása	5. Zóna kiválasztása (nyílombok), Párosítás (SET gomb), Reset (RESET gomb)
2. Hőszivattyú vagy fűtőkazán késleltetési beállítása	6. Termikus működtető csatlakozás (1-8 zóna)
3. Zóna LED-jelzők	7. Fűtőkazán bekötése

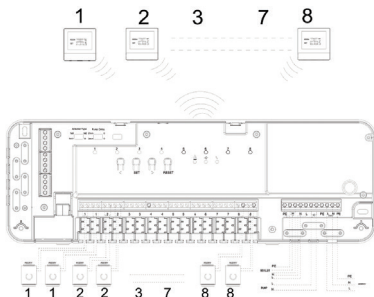
	Fűtési kazán bekapcsolva	8. Hőszivattyú csatlakozás
	Hőszivattyú bekapcsolva	9. 230V csatlakozás
	Teljesítmény 230V	

## Szeleptípus és késleltetés kiválasztása

Mágnesszelep típusa: NO / NC; Késés: 0-6 perc

0 Min.	NC  NO  2min  0 1min  0 3min  0	4 Min.	NC  NO  2min  0 1min  0 3min  0
1 Min.	NC  NO  2min  0 1min  0 3min  0	5 Min.	NC  NO  2min  0 1min  0 3min  0
2 Min.	NC  NO  2min  0 1min  0 3min  0	6 Min.	NC  NO  2min  0 1min  0 3min  0
3 Min.	NC  NO  2min  0 1min  0 3min  0	Valve Type	NC  NO 

## Csatlakozási rajz



## Párosítás a PNI CT28 PRO termosztát vezérlőegységgel

Megjegyzések:

1. Hőszivattyú vagy kazán vezérléséhez a PNI CT28M vezérlőmodult párosítani kell a PNI CT28 PRO termosztát vezérlőegységgel.

2. A PNI CT28 PRO vezérlőegységet külön kell megvásárolni.

Kapcsolja ki a PNI CT28 PRO vezérlőegységet a be/ki gomb megnyomásával.

Nyomja meg és tartsa lenyomva az M gombot, amíg a képernyőn meg nem jelenik egy négy karakterből álló kód és a jeljelző.

A PNI CT28M vezérlőmodulon válassza ki a zónát a nyílombok megnyomásával. A zónának megfelelő LED villog.

Nyomja meg ismét röviden az M gombot. A jel ikon és a képernyő villogni kezd.

A PNI CT28M vezérlőmodulon nyomja meg röviden a SET gombot. Az előzőleg kiválasztott zónának megfelelő LED gyakran villog néhány másodpercig, majd kialszik, jelezve, hogy a párosítás sikeres volt.

A PNI CT28 PRO vezérlőegységen nyomja meg röviden a be/ki gombot a párosítási módból való kilépéshez. A képernyő világít, és megjelenik a fő felület.

Tesztelje a kommunikációt a két eszköz között:

Állítsa a hőmérsékletet magasabbra, mint a szobahőmérséklet. Néhány másodperc múlva megjelenik a fűtés bekapcsolását jelző ikon a vezérlőegység képernyőjén. A vezérlőmodulon a zóna LED-je, valamint a szivattyú és a fűtőkazán LED-jei világítanak.

Állítsa a hőmérsékletet alacsonyabbra, mint a

szobahőmérséklet. A vezérlőmodulon lévő összes LED kialszik.

Ismételje meg az eljárást az összes vezérlőegységre, amelyet párosítani szeretne a PNI CT28M modullal. Maximum 8 egység adható hozzá.

Ha törölni szeretne egy egységet, válassza ki a zónát a nyíl gombokkal, majd nyomja meg hosszan a Reset gombot. A zónának megfelelő LED kialszik. A párosítás törölve.

További részletekért olvassa el a PNI CT28 PRO kézikönyvét.

## ***Egyszerűsített EU megfeleléségi nyilatkozat***

Az ONLINESHOP SRL kijelenti, hogy a PNI CT28M vezérlőmodul megfelel a 2014/53/EU RED irányelvnek. Az EU-megfeleléségi nyilatkozat teljes szövege az alábbi internetcímen érhető el:

<https://www.mypni.eu/products/10521/download/certifications>

## *Funzioni principali*

Supporta fino a 8 termostati ambiente.

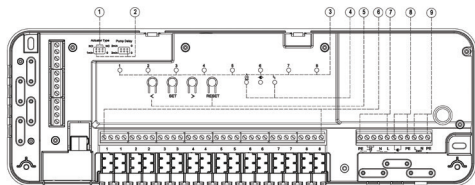
Supporta fino a 16 attuatori termici.

Impostazione ritardo caldaia e pompa di calore.

## *Specifiche tecniche*

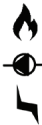
Tensione di alimentazione	230 V AC, 50/60 Hz
Potenza pompa di calore	230 V AC
Potenza caldaia di riscaldamento	Uscita senza tensione
Frequenza di comunicazione	868MHz / <25mW
Corrente totale	Max. 3 A
Corrente su ogni zona	Max. 2 A
Dimensioni	353 x 118 x 60 mm

## Panoramica del prodotto








































<p>1. Selezione valvola NO/ NC</p>	<p>5. Selezione zona (tasti freccia), Associazione (tasto SET), Reset (tasto RESET)</p>
<p>2. Impostazione ritardo pompa di calore o caldaia di riscaldamento</p>	<p>6. Collegamento attuatore termico (zona 1 - 8)</p>
<p>3. Indicatori LED di zona</p>	<p>7. Collegamento caldaia di riscaldamento</p>



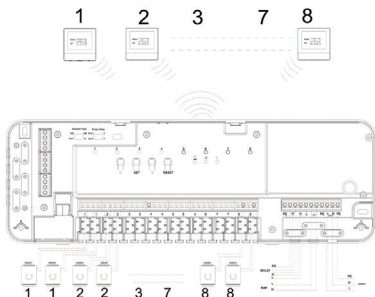
	Caldaia di riscaldamento accesa	8. Collegamento pompa di calore
	Pompa di calore accesa	9. Collegamento 230V
	Potenza 230V	

## Selezione del tipo di valvola e del ritardo

Tipo di elettrovalvola: NO / NC; Ritardo: 0 - 6 minuti

0 Min.	NC  NO  2min  0 1min  0 3min  0	4 Min.	NC  NO  2min  0 1min  0 3min  0
1 Min.	NC  NO  2min  0 1min  0 3min  0	5 Min.	NC  NO  2min  0 1min  0 3min  0
2 Min.	NC  NO  2min  0 1min  0 3min  0	6 Min.	NC  NO  2min  0 1min  0 3min  0
3 Min.	NC  NO  2min  0 1min  0 3min  0	Valve Type	NC  NO 

## Schema di collegamento



## Associazione con l'unità di controllo del termostato PNI CT28 PRO

Note:

1. Per controllare una pompa di calore o una caldaia, il modulo di controllo PNI CT28M deve essere associato all'unità di controllo del termostato PNI CT28 PRO.

2. L'unità di controllo PNI CT28 PRO deve essere acquistata separatamente.

Spegnere l'unità di controllo PNI CT28 PRO premendo

il pulsante on/off.

Tenere premuto il tasto M finché sullo schermo non vengono visualizzati un codice di quattro caratteri e l'indicatore del segnale.

Sul modulo di controllo PNI CT28M, selezionare la zona premendo i pulsanti freccia. Il LED corrispondente alla zona lampeggia.

Premere brevemente di nuovo il tasto M. L'icona del segnale e lo schermo iniziano a lampeggiare.

Sul modulo di controllo PNI CT28M, premere brevemente il pulsante SET. Il LED corrispondente alla zona selezionata in precedenza lampeggia spesso per alcuni secondi, quindi si spegne, indicando che l'associazione è riuscita. Sull'unità di controllo PNI CT28 PRO, premere brevemente il pulsante on/off per uscire dalla modalità di associazione. Lo schermo si illuminerà e verrà visualizzata l'interfaccia principale.

Testare la comunicazione tra i due dispositivi:

Impostare una temperatura superiore alla temperatura ambiente. Dopo alcuni secondi, sullo schermo dell'unità di controllo appare l'icona che indica il riscaldamento acceso. Sul modulo di controllo, si accendono il LED della zona e i LED della pompa e della caldaia di

riscaldamento.

Impostare una temperatura inferiore alla temperatura ambiente. Tutti i LED sul modulo di controllo si spegneranno.

Ripetere la procedura per tutte le unità di controllo che si desidera associare al modulo PNI CT28M. È possibile aggiungere un massimo di 8 unità.

Se si desidera eliminare un'unità, selezionare la zona utilizzando i pulsanti freccia, quindi premere a lungo il pulsante Reset. Il LED corrispondente alla zona si spegnerà. L'associazione è stata eliminata.

Consultare il manuale PNI CT28 PRO per maggiori dettagli.

## ***Dichiarazione di conformità UE semplificata***

ONLINESHOP SRL dichiara che il modulo di controllo PNI CT28M è conforme alla direttiva RED 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet:

<https://www.mypni.eu/products/10521/download/certifications>

## *Belangrijkste functies*

Ondersteunt tot 8 kamerthermostaten.

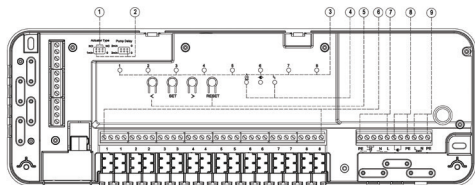
Ondersteunt tot 16 thermische actuatoren.

Vertragingstelling verwarmingsketel en warmtepomp.

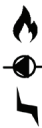
## *Technische specificaties*

Voedingsspanning	230 V AC, 50/60 Hz
Warmtepomputgang	230 V AC
Verwarmingsketeluitgang	Spanningsvrije uitgang
Communicatiefrequentie	868MHz / <25mW
Totale stroom	Max. 3 A
Stroom op elke zone	Max. 2 A
Afmetingen	353 x 118 x 60 mm
Bedrijfstemperatuur	-26 ~ 80°C

## Productoverzicht

































1. NO/NC-klepselectie	5. Zoneselectie (pijltjestoetsen), koppelen (SET-toets), resetten (RESET-toets)
2. Vertragingstelling warmtepomp of verwarmingsketel	6. Aansluiting thermische actuator (zone 1 - 8)
3. Zone-LED-indicatoren	7. Aansluiting verwarmingsketel

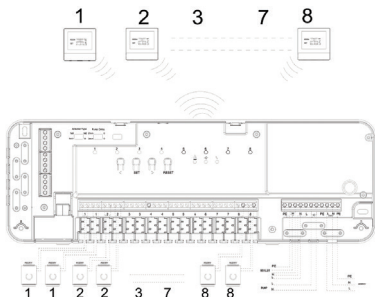
	Verwarmingsketel aan	8. Aansluiting warmtepomp
	Warmtepomp aan	9. 230V aansluiting
	Vermogen 230V	

## Kleptype en vertragingselectie

Magneetkleptype: NO / NC; Vertraging: 0 - 6 minuten

0 Min.	NC  NO 2min  0 1min  0 3min  0	4 Min.	NC  NO 2min  0 1min  0 3min  0
1 Min.	NC  NO 2min  0 1min  0 3min  0	5 Min.	NC  NO 2min  0 1min  0 3min  0
2 Min.	NC  NO 2min  0 1min  0 3min  0	6 Min.	NC  NO 2min  0 1min  0 3min  0
3 Min.	NC  NO 2min  0 1min  0 3min  0	Valve Type	NC  NO 

## Aansluitschema



## Koppelen met de PNI CT28 PRO thermostaatregleenheid

Opmerkingen:

1. Om een warmtepomp of een boiler te kunnen bedienen, moet de PNI CT28M-regelmodule worden gekoppeld aan de PNI CT28 PRO thermostaatregleenheid.
2. De PNI CT28 PRO-regleenheid moet apart worden aangeschaft.



Schakel de PNI CT28 PRO-regeleenheid uit door op de aan/uit-knop te drukken.

Houd de M-toets ingedrukt totdat een code van vier tekens en de signaalindicator op het scherm verschijnen.

Selecteer op de PNI CT28M-regeleenheid de zone door op de pijltjestoetsen te drukken. De LED die overeenkomt met de zone knippert.

Druk nogmaals kort op de M-toets. Het signaalpictogram en het scherm beginnen te knippen.

Druk op de PNI CT28M-regeleenheid kort op de SET-knop. De LED die overeenkomt met de eerder geselecteerde zone knippert vaak een paar seconden en gaat dan uit, wat aangeeft dat de koppeling is geslaagd.

Druk op de PNI CT28 PRO-regeleenheid kort op de aan/uit-knop om de koppelingsmodus te verlaten. Het scherm licht op en de hoofdinterface wordt weergegeven.

Test de communicatie tussen de twee apparaten:

Stel de temperatuur hoger in dan de kamertemperatuur. Na een paar seconden verschijnt het pictogram dat aangeeft dat de verwarming aan is op het scherm van de regeleenheid. Op de regelmodule lichten de led van

de zone en de led's van de pomp en de verwarmingsketel op.

Stel de temperatuur lager in dan de kamertemperatuur. Alle led's op de regelmodule gaan uit.

Herhaal de procedure voor alle regeleenheden die u wilt koppelen met de PNI CT28M-module. Er kunnen maximaal 8 eenheden worden toegevoegd.

Als u een eenheid wilt verwijderen, selecteert u de zone met de pijltjestoetsen en drukt u lang op de resetknop. De led die overeenkomt met de zone gaat uit. De koppeling is verwijderd.

Raadpleeg de handleiding van de PNI CT28 PRO voor meer informatie.

## ***Vereenvoudigde EU-conformiteitsverklaring***

ONLINESHOP SRL verklaart dat de PNI CT28M-regelmodule voldoet aan de RED-richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring is beschikbaar op het volgende internetadres:

<https://www.mypni.eu/products/10521/download/certifications>

## Główne funkcje

Obsługuje do 8 termostatów pokojowych.

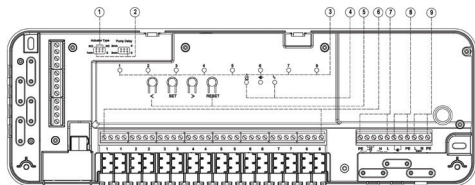
Obsługuje do 16 siłowników termicznych.

Ustawienie opóźnienia kotła grzewczego i pompy ciepła.

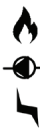
## Dane techniczne

Napięcie zasilania	230 V AC, 50/60 Hz
Wyjście pompy ciepła	230 V AC
Wyjście kotła grzewczego	Wyjście beznapięciowe
Częstotliwość komunikacji	868MHz / <25mW
Prąd całkowity	Max. 3 A
Prąd w każdej strefie	Max. 2 A
Wymiary	353 x 118 x 60 mm
Temperatura robocza	-26 ~ 80°C

## Przegląd produktu








































1. Wybór zaworu NO/NC	5. Wybór strefy (klawisze strzałek), Parowanie (klawisz SET), Reset (klawisz RESET)
2. Ustawienie opóźnienia pompy ciepła lub kotła grzewczego	6. Podłączenie siłownika termicznego (strefa 1 - 8)
3. Wskaźniki LED strefy	7. Podłączenie kotła grzewczego

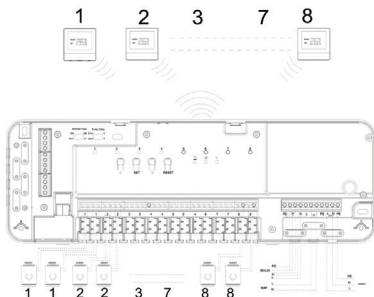
	Kocioł grzewczy włączony	8. Podłączenie pompy ciepła
	Pompa ciepła włączona	9. Podłączenie 230V
	Moc 230V	

## Wybór typu zaworu i opóźnienia

Typ zaworu elektromagnetycznego: NO / NC; Opóźnienie: 0 - 6 minut

0 Min.	NC  NO  2min  0 1min  0 3min  0	4 Min.	NC  NO  2min  0 1min  0 3min  0
1 Min.	NC  NO  2min  0 1min  0 3min  0	5 Min.	NC  NO  2min  0 1min  0 3min  0
2 Min.	NC  NO  2min  0 1min  0 3min  0	6 Min.	NC  NO  2min  0 1min  0 3min  0
3 Min.	NC  NO  2min  0 1min  0 3min  0	Valve Type	NC  NO 

## Schemat połączeń



## Parowanie z termostatem PNI CT28 PRO

Uwagi:

1. Aby sterować pompą ciepła lub kotłem, moduł sterujący PNI CT28M musi być sparowany z termostatem PNI CT28 PRO.

2. Jednostkę sterującą PNI CT28 PRO należy zakupić osobno.

Wyłącz jednostkę sterującą PNI CT28 PRO, naciskając przycisk włączania/wyłączania.

Naciśnij i przytrzymaj przycisk M, aż na ekranie pojawi się czteroznakowy kod i wskaźnik sygnału.

Na module sterującym PNI CT28M wybierz strefę, naciskając przyciski strzałek. Dioda LED odpowiadająca strefie zacznie migać.

Naciśnij krótko przycisk M ponownie. Ikona sygnału i ekran zaczną migać.

Na module sterującym PNI CT28M naciśnij krótko przycisk SET. Dioda LED odpowiadająca poprzednio wybranej strefie będzie często migać przez kilka sekund, a następnie zgaśnie, co oznacza, że parowanie zakończyło się powodzeniem.

Na jednostce sterującej PNI CT28 PRO naciśnij krótko przycisk włączania/wyłączania, aby wyjść z trybu parowania. Ekran się zaświeci i wyświetli się główny interfejs.

Przetestuj komunikację między dwoma urządzeniami:

Ustaw temperaturę wyższą niż temperatura w pomieszczeniu. Po kilku sekundach na ekranie jednostki sterującej pojawi się ikona wskazująca włączenie ogrzewania. Na module sterującym zaświecą się diody LED strefy oraz diody LED pompy i kotła grzewczego.

Ustaw temperaturę niższą niż temperatura w

pomieszczeniu. Wszystkie diody LED na module sterującym zgasną.

Powtórz procedurę dla wszystkich jednostek sterujących, które chcesz sparować z modułem PNI CT28M. Można dodać maksymalnie 8 jednostek.

Jeśli chcesz usunąć jednostkę, wybierz strefę za pomocą przycisków strzałek, a następnie naciśnij długo przycisk Reset. Dioda LED odpowiadająca strefie zgaśnie. Parowanie zostało usunięte.

Więcej szczegółów znajdziesz w instrukcji PNI CT28 PRO.

## ***Uproszczona deklaracja zgodności UE***

ONLINESHOP SRL oświadcza, że moduł sterujący PNI CT28M jest zgodny z dyrektywą RED 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym:

<https://www.mypni.eu/products/10521/download/certifications>



## *Functii principale*

Suporta imperecherea cu pana la 8 termostate de camera

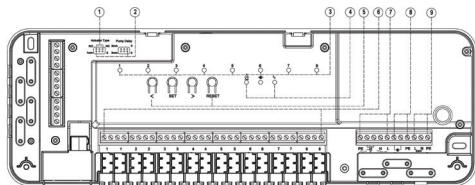
Suporta controlul a 16 actuatori termice

Setare intarziere pompa de caldura si centrala termica

## *Specificatii tehnice*

Tensiune de alimentare	230 V AC, 50/60 Hz
Iesire pompa de caldura	230 V AC
Iesire pentru centrala termica	Iesire fara tensiune
Frecventa comunicare	868 MHz / <25mW
Curent total	Max. 3 A
Curent pe fiecare zona	Max. 2 A
Dimensiuni	353 x 118 x 60 mm
Temperatura de lucru	-26 ~ 80°C































## Prezentare produs



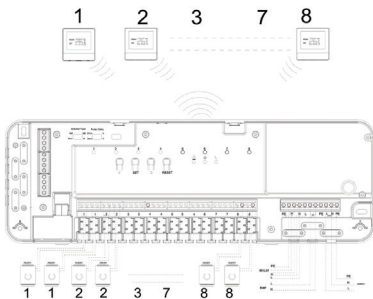
1. Selectare electrovalva NO/NC	5. Selectare zona (taste cu sageti), Imperechere (SET), Resetare (RESET)
2. Setare intarziere pompa de caldura sau centrala termica	6. Conectare actuator termic (zona 1 - 8)
3. Indicatori LED zone	7. Conectare centrala termica
  	8. Conectare pompa de caldura 9. Conectare 230V
Centrala pornita	
Pompa pornita	
Alimentare 230V	

## Selectare tip electrovalva si intarziere

Tip electrovalva: NO / NC; Intarziere: 0 - 6 minute

0 Min.	NC  NO 2min  0 1min  0 3min  0	4 Min.	NC  NO 2min  0 1min  0 3min  0
1 Min.	NC  NO 2min  0 1min  0 3min  0	5 Min.	NC  NO 2min  0 1min  0 3min  0
2 Min.	NC  NO 2min  0 1min  0 3min  0	6 Min.	NC  NO 2min  0 1min  0 3min  0
3 Min.	NC  NO 2min  0 1min  0 3min  0	Valve Type	NC  NO 

## Diagrama conexiuni



## ***Imperechere cu unitatea de comanda termostat PNI CT28 PRO***

**Note:**

***1. Pentru a putea controla o pompa de incalzire/racire sau o centrala termica, modulul de control PNI CT28M trebuie imperecheat cu unitatea de comanda termostat PNI CT28 PRO.***

***2. Unitatea de comanda PNI CT28 PRO se achizitioneaza separat.***

Opriti unitatea de comanda PNI CT28 PRO apasand butonul de pornire/oprire.

Apasati lung tasta M pana cand pe ecran apar un cod format din patru caractere si indicatorul de semnal.

Pe modulul de control PNI CT28M selectati zona apasand butoanele cu sageti. LED-ul corespunzator zonei clipeste.

Apasati din nou scurt tasta M. Pictograma de semnal si ecranul incep sa clipeasca.

Pe modulul de control PNI CT28M apasati scurt butonul SET. LED-ul corespunzator zonei selectate anterior clipeste des cateva secunde, dupa care se stinge, semn ca imperecherea s-a realizat cu succes.

Pe unitatea de comanda PNI CT28 PRO apasati scurt butonul de pornire/oprire pentru a iesi din modul de

imperechere. Ecranul se va aprinde si va fi afisata interfata principala.

### **Testati comunicarea dintre cele doua dispozitive:**

Setati temperatura mai mare decat temperatura din camera. Dupa cateva secunde, pe ecranul unitatii de comanda apare pictograma care indica incalzire pornita. Pe modulul de control se aprinde LED-ul zonei si LED-urile pompei si centralei termice.

Setati temperatura mai mica decat temperatura din camera. Toate LED-urile de pe modulul de control se vor stinge.

Repetati procedura pentru toate unitatile de comanda pe care doriti sa le imperecheati cu modulul PNI CT28M. Pot fi adaugate maxim 8 unitati.

Daca doriti sa stergeti o unitate de comanda de pe zona unde a fost adaugata, selectati zona cu ajutorul butoanelor cu sageti, dupa care apasati lung butonul Reset. LED-ul corespunzator zonei se va stinge. Imperecherea a fost stearsa.

Pentru mai multe detalii legate de modul de functionare al unitatii de control PNI CT28 PRO, va rugam sa consultati manualul care insoteste produsul.

## *Declaratie UE de conformitate simplificata*

ONLINESHOP SRL declara ca **Modul de control PNI CT28M** este in conformitate cu Directiva RED 2014/53/UE. Textul integral al declaratiei UE de conformitate este disponibil la urmatoarea adresa de internet:

<https://www.mypni.eu/products/10521/download/certifications>



