HENCO

MADE IN BELGIUM

HencoLogic

Wireless, cooling

HencoLogic | Wireless, cooling

Table of contents

Cooling

For cooling in summer, there are **2 possible setups:**

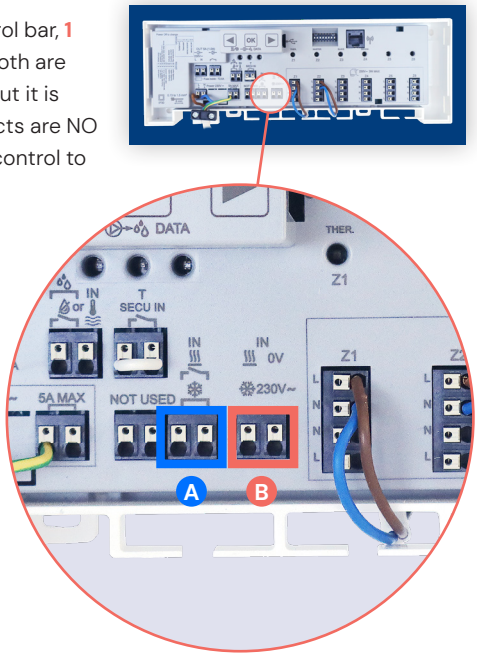
1. The changeover is done by thede **heat pump**, which then sends a signal to the **controller**.
2. The changeover is done through the **thermostat**, which then sends a signal to the **heat pump**.

Changeover via heat pump

Step 1 Remove power from the control bar. Set **DIP switch 4 & 5** to ON. After this, the power may return to the control bar.

4 - 5	H & C switch control	OFF	OFF	Central
		OFF	ON	Thermostat
		ON	OFF	HCM
		ON	ON	Controller

There are 2 input contacts available on the control bar, **1 contact 230V** (B) & **1 contact potential free** (A). Both are available to be compatible with all heat pumps but it is recommended to use only 1 of the 2. Both contacts are NO (Normally Open) and, when sent, will switch the control to cooling.



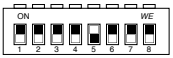
A. Ptential free

B. 230 V

Changeover via thermostat

When the thermostat will provide the changeover you will need the Henco Heating/Cooling module (article code: CU-ZONERF-HC). This connects wirelessly to the control bar and will hang next to the heat pump to provide the control.

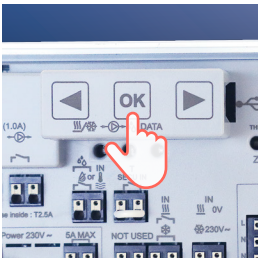
Step 1 For a switchover via the thermostat, set **DIP switch #5** to **ON** while **#4** remains **OFF**. First remove power from the control bar, then flip the DIP switch, then put power back on.



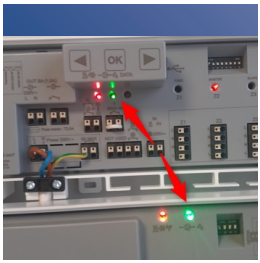
4 - 5	H & C switch control	OFF	OFF	Central
		OFF	ON	Thermostat
		ON	OFF	HCM
		ON	ON	Controller

Step 2 Apply power to the Heating/Cooling module (HCM). The green LED will flash to indica te that no linkage is yet provided.

Step 3 Go to the MASTER control bar and press the OK -button until ZONE 1 starts flashing red, navigate (◀ / ▶)) to ZONE 3 and confirm with OK , after this all LEDs will start flashing green.



Step 4 On the Heating/Cooling module (HCM) is a pairing button, press and hold this button until the blinking LED lights steady green for a moment and then steady red. Now you may release the button. The control bar will have exited its pairing mode upon successful pairing and zone 3 will flash red (cursor).



You can check that the coupling has been done correctly by creating a heat demand through the thermostat and seeing if the pump contact turns on at both the control bar and the HCM.

Note: the pump contact has a lead time of 2 minutes.

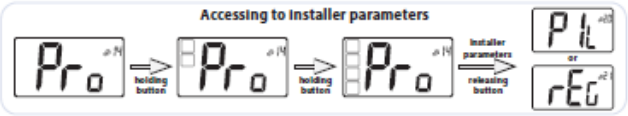
Step 5 Now we need to indicate which thermostat will provide the change-over. Only one thermostat can be MASTER (see also manual thermostat CU-DTHERMRF-HC for the list of all parameters)

Wake up the thermostat by briefly pressing the center button, then hold the button down for several seconds until you get to the selection menu. After this, hold the middle button again for a few seconds until parameter 01 RF appears. Use the + & – buttons to navigate to parameter 14 PRO. Hold the center button down for a few seconds until parameter 20 PIL appears. Confirm this parameter and change the position from SLA (slave) to MAS (master).

Professional menu

This menu permits to access to installer parameter menus. Pressing and maintaining validation key ⊙ displays first parameter of installer menus.

When validation/menu key ⊙ is hold:



Wired PiLote configuration

Using H&C or clock signal, thermostat has to be defined in slave or master configuration.

- "SLA": slave configuration
- "MAS": Master configuration

Default value: SLA Other value: MAS

If parameter 20 PIL is not visible, the position of the DIP switches is not correct.

Step 5 Return to the first menu and navigate to parameter 08 NOd. Select either Rev (manual change-over) or AUT (automatic change-over) here.

Bedrijfsmodus van de thermostaat:

- Hot: verwarmingsmodus
- CLd: koelmodus
- rEv: inschakelen van omkeerbaar menu
- Aut: automatische modus

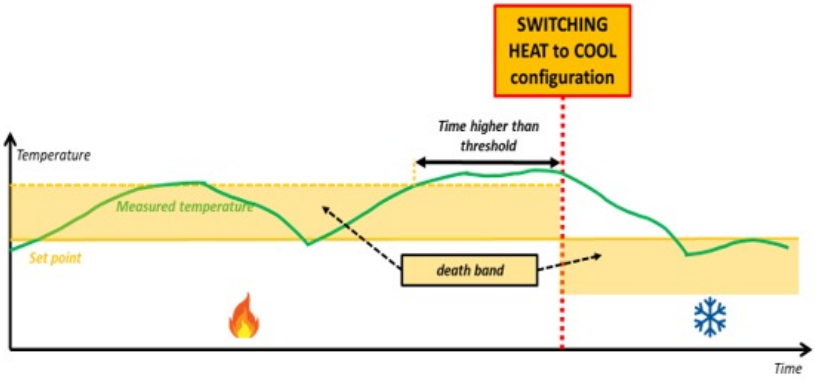
Dit instellingenmenu verschijnt alleen indien de digitale thermostaat niet met een aanraakscherm BT-CT02 of een 6Z master is gekoppeld.

Manual changeover

When we choose Rev option at parameter 08 NOd, a heating/cooling symbol will appear in the user menu on the right. Via this parameter the end user can choose between heating or cooling (HOT or COLD).

Automatic changeover

When we select AUT option in parameter 08 NOd, the system will automatically switch based on room temperature. When the room temperature deviates X number of degrees from the desired temperature for X number of hours, the system will switch over
(see graph below).



The number of degrees difference that must occur can be set via parameter 36 HC1. The number of hours this difference must occur before switching can be set via parameter 37 HC2 (see below).

Verwarmen en Koelen "dode zone"

Alleen aktief indien de thermostaat als master "Mas" is ingesteld en bovendien op Automatisch "Aut" is ingesteld.

Met deze waarde wordt de Δ temperatuur ingesteld rondom het setpoint waarbij niet wordt omgeschakeld tussen Verwarmen en Koelen.

Af fabriek instelling : 1°C

Alternatieve instelling: tussen 0.1°C en 5°C

Verwarmen en Koelen timer

Alleen aktief indien de thermostaat is ingesteld als master "Mas" en in Automatisch omschakelen "Aut" en in Automatisch omschakelen.

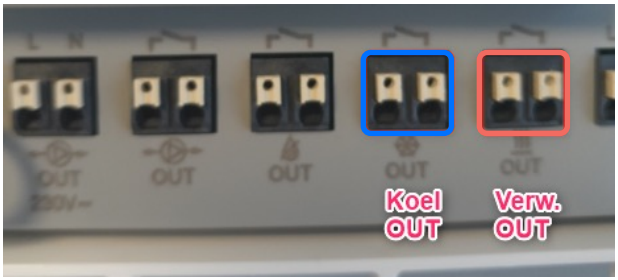
Tijd om om te schakelen van bedrijfsmodus in minuten.

Af fabriek instelling: 2 uur

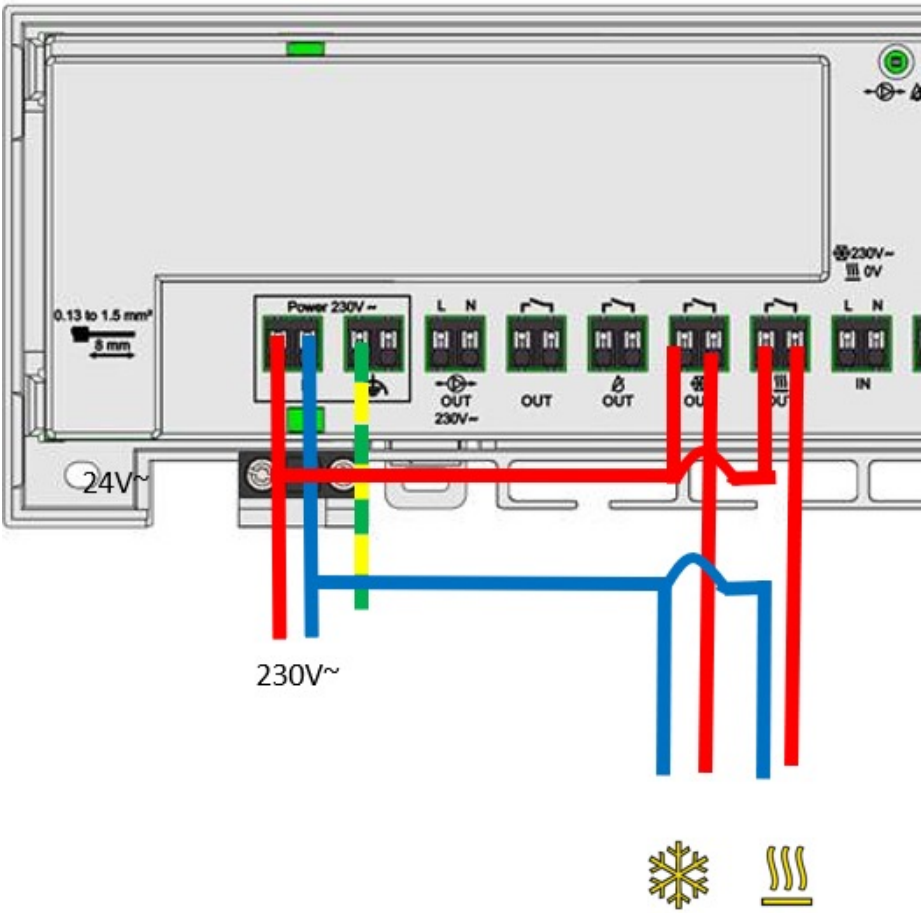
Alternatieve instelling: tussen 30 min en 12 uur in stappen van 30 min

Outgoing contacts

There are 2 outgoing contacts on the HCM, 1 for **heating demand** and 1 for **cooling demand**. Both contacts are potential free. When there is a heating demand in 1 of the zones, the heating contact will be sent. When there is a cooling demand in 1 of the zones, the cooling contact will be sent.



If the potential-free contacts need to be converted to 230V contacts, you can bridge the voltage of the power supply of the control bar (see diagram below).



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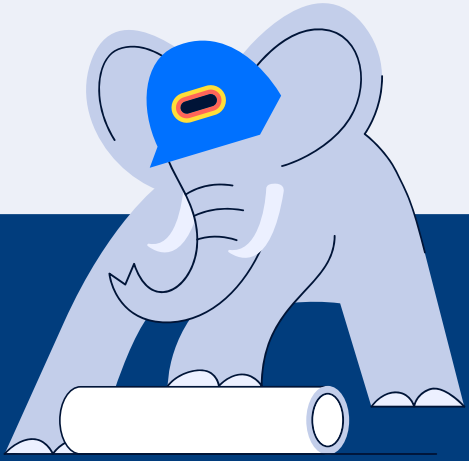

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