

jaga CLIMATE DESIGNERS
LYNGSON

DBH SET
MANUAL



CONTENT

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Important info



The unit must be installed by a certified installer in accordance with the installation instructions and the local building codes. Please follow this instruction manual and file it somewhere safe! The unit must always be accessible for maintenance and inspection..

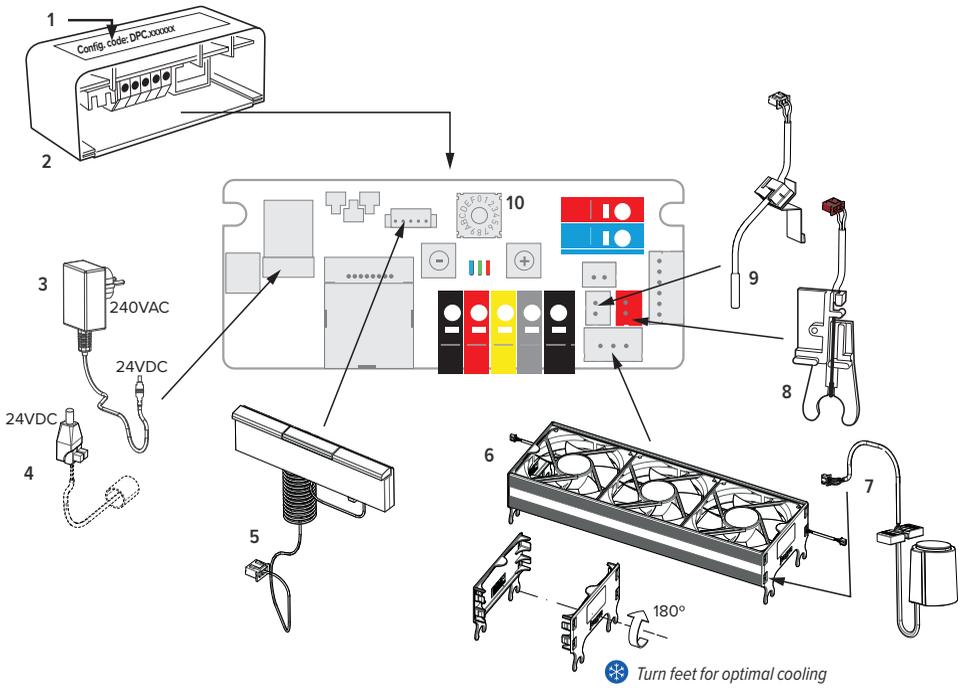
Installation must be carried out by certified technicians. Incorrect installation could cause product failure, a reduced performance or an increased noise level.

The warranty is void when:

- The installation, maintenance or operation instructions in this manual are not respected.
- The initial start-up has been carried out before a general cleaning of both the fan and the coil.
- Modifications have been made to the product, before, during or after product installation.
- Maintenance has been carried out by unauthorized people.
- Access to the unit has been restricted due to on-site conditions.

This device is covered by the general warranty conditions of Jaga NV.

1. SYSTEM OVERVIEW

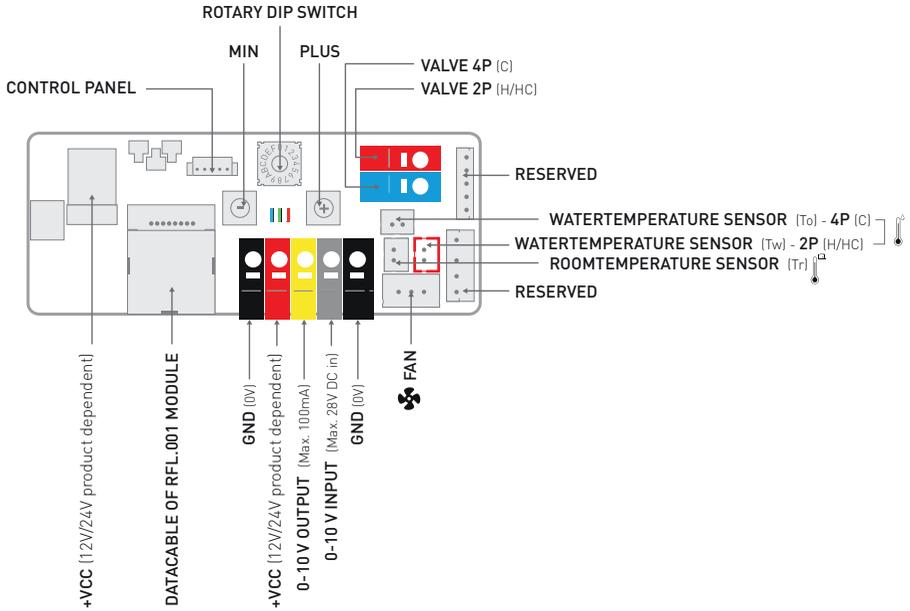


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- 1. Configuration code (*DPC.XXXXXX*)
- 2. Controller
- 3. Power supply 240 VAC (IN) / 24 VDC (OUT)
- 4. Mains voltage 24VDC
- 5. Control panel with curly cord

- 6. Activator
- 7. Thermo-electrical motor
- 8. Water temperature sensor (Tw)
- 9. Room temperature sensor (Tk)
- 10. Rotary DIP switch

1.1. PC BOARD OVERVIEW



Modi: Heating / Cooling / Breeze / Standby / **Off** / **Permanent off** / Domotica

activator speed:

- - The unit can run at 3 speeds.

The unit runs at the set speed.

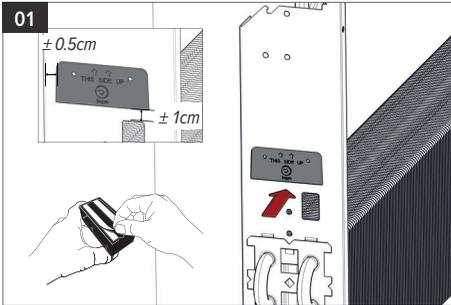
Activator speed in function of the incoming control signal.

Watertemperatuurbewaking:

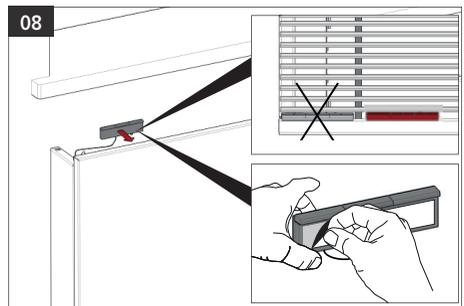
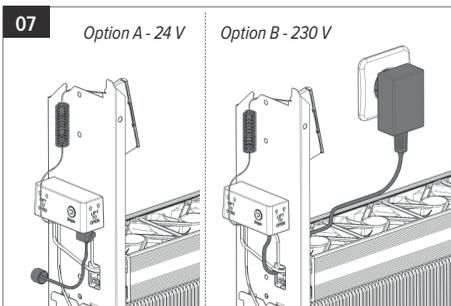
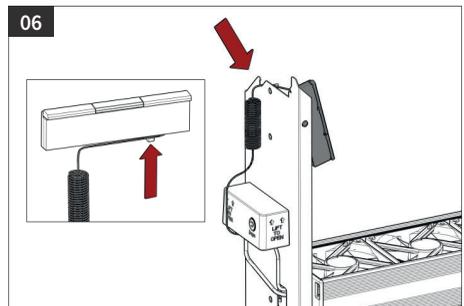
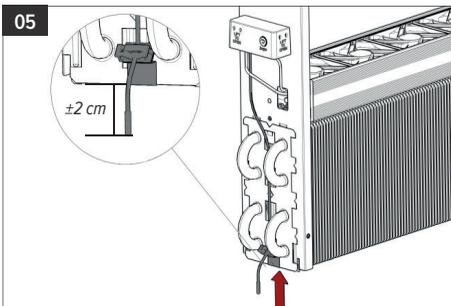
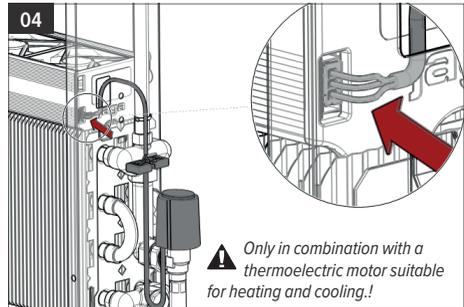
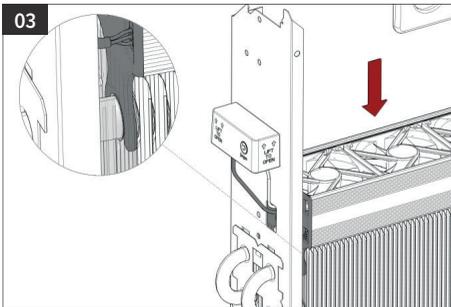
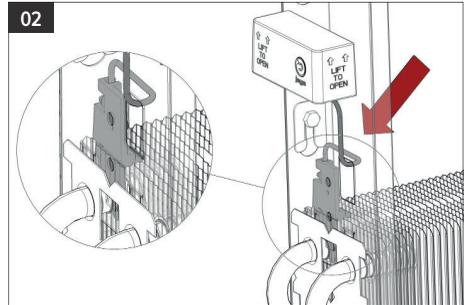
Tw < 24°C - The supply water must be less than 24°C in order for the device to start.

Tw > 28°C - The supply water must be over 28°C in order for the device to start.

2. INSTALLATION



⚠ Clean and degrease before sticking!



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This device is not equipped with dew point control. This must be installed in the most critical place by the installer! Condensing cooling due to a dew point control malfunction may damage the device and its surroundings.!

2.1. WINDOW CONTACT CONNECTION

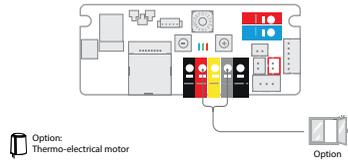
Upon opening the window contact the unit and the thermoelectric motor(if connected) will shut down.



The window contact is not activated by default and has to be activated /deactivated manually.

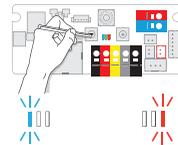


Not applicable in temperature mode!



Switching on/off the window contact:

1. Note the original position.
2. Turn the rotary DIP switch in the 0 position.
3. Hold the [-] button for 3 seconds.



deactivated

activated

4. Turn the rotary DIP switch back in the original position.

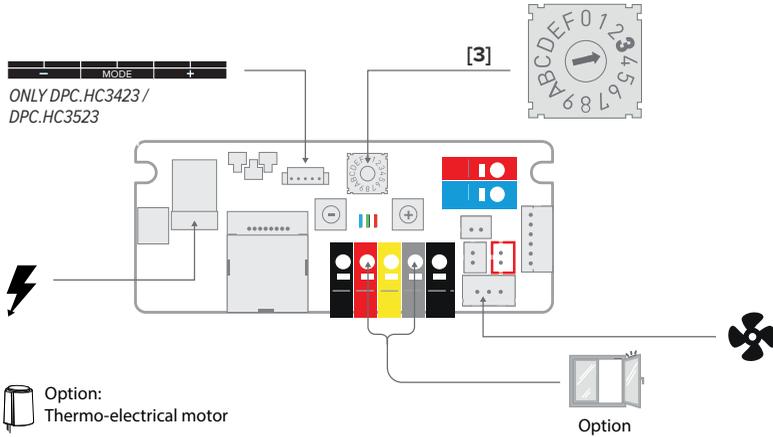
3. MODE OVERVIEW

| | MODUS | CONFIGURATION CODE | 0-10VDC | T WATER | T SPACE | HEATING | COOLING | BREEZE | STANDBY | OFF | TYPE CONTROL PANEL | | | OPTION | | | |
|------------|--|--------------------|---------|---------|---------|---------|---------|--------|---------|-----|--------------------|---|---|-------------------------|----------------|---|---|
| | | | | | | | | | | | 1 | 2 | 3 | THERMO-ELECTRICAL MOTOR | WINDOW CONTACT | | |
| | | | | | | | | | | | | | | | | | |
| A. pg. 8 | MANUAL | DPC.HC3120 | | | | X | | | | | | | | | | X | |
| | | DPC.HC3423 | | | | x | | | | x | | | | x | x | x | |
| | | DPC.HC3523 | | | | x | x | | | | x | | | x | x | x | |
| | MANUAL WATER TEMPERATURE MONITORING | DPC.HC4120 | | x | | | x | | | | | | | | | | x |
| | | DPC.HC4220 | | x | | | x | x | | | | | | | | | x |
| | | DPC.HC4423 | | x | | | x | | x | | x | | | x | x | x | |
| | | DPC.HC4523 | | x | | | x | x | x | | x | | | x | x | x | |
| B. pg. 11 | 0 - 10V BMS | DPC.HC5220 | x | | | x | x | | | | | | | | x | | |
| | | DPC.HC5423 | x | | | | x | | | x | | | | x | x | | |
| | | DPC.HC5523 | x | | | | x | x | | | x | | | x | x | | |
| | 0 - 10V BMS WATER TEMPERATURE MONITORING | DPC.HC6120 | x | x | | | x | | | | | | | | | x | |
| | | DPC.HC6220 | x | x | | | x | x | | | | | | | | x | |
| | | DPC.HC6423 | x | x | | | x | | | | x | | | | x | x | |
| | | DPC.HC6523 | x | x | | | x | x | | | x | | | | x | x | |
| | | DPC.HC6320 | x | x | x | | x | x | | x | | | | | | | |
| | (AUTO-CHANGE-OVER) | DPC.HC6623 | x | x | x | | x | x | | x | | | | | x | | |
| | 0 - 5 / 5 - 10V BMS WATER TEMPERATURE MONITORING | DPC.HCE220 | x | | | | x | x | | | x | | | | | x | |
| DPC.HCE320 | | x | x | | | x | x | | | x | | | | | x | | |
| C. pg. 19 | TEMPERATURE MODUS | DPC.HCA423 | | x | x | x | | | | x | | | | x | x | x | |
| | | DPC.HCA523 | | x | x | x | x | | | x | | | | x | x | x | |
| D. pg. 21 | AUTO-CHANGE-OVER MODE | DPC.HCB120 | | x | x | x | | | | x | | | | | | x | |
| | | DPC.HCB320 | | x | x | x | x | | | x | | | | | | | x |
| | | DPC.HCB423 | | x | x | x | | | x | x | | | | | x | | x |
| | | DPC.HCB623 | | x | x | x | x | x | x | | | | | | x | | x |

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A1. MANUAL

Configuration code: DPC.HC3120 / DPC.HC3423 / DPC.HC3523



A1.1. FACTORY SETTINGS

A1.1.1. Without control panel - DPC.HC3120

The unit is always on.

The unit is always on.

1 Speed. Activator speed is set according to the unit's length.

A1.1.2. With control panel - DPC.HC3423 / DPC.HC3523

/ **Off** The user manually selects the desired mode via the control panel. The unit can run at 3 speeds.

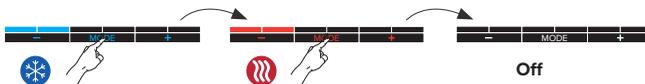
The unit starts at the last selected speed (1, 2 or 3).

Only with configuration code DPC.HC3523!
The unit starts at the last selected speed (1, 2 or 3).

Off All functions are disabled until the user switches on the unit via the control panel.

- - Activator speed is set according to the unit's length.

Control





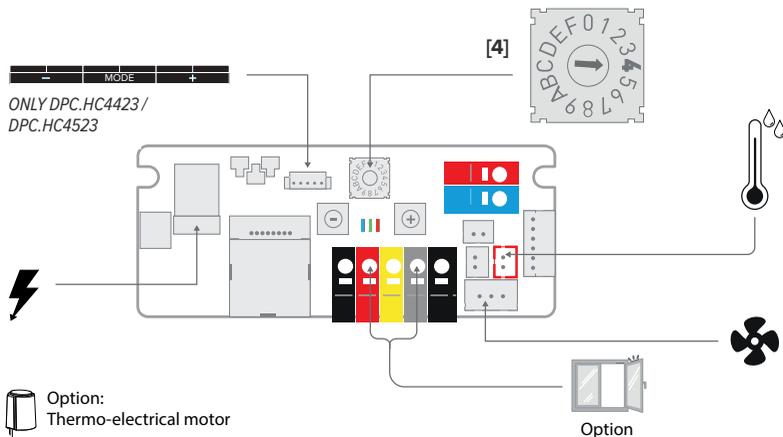
- ⚠ **Blue LEDs** are flashing in the set mode: the water temperature of the supplied water is too high ($T_w > 24^\circ\text{C}$).
- ⚠ **Red LEDs** are flashing in the set mode: the water temperature of the supplied water is too low ($T_w < 28^\circ\text{C}$).

A1.2. OPTION: THERMO-ELECTRICAL MOTOR

- Valve opens in heating and cooling mode.
- Valve closed in off mode.

A2. MANUALLY WITH WATER TEMPERATURE MONITORING

Configuration code: DPC.HC4120 / DPC.HC4220 / DPC.HC4423 / DPC.HC4523



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A2.1. FACTORY SETTINGS

A2.1.1. Without control panel - DPC.HC4120 / DPC.HC4220

The unit is controlled by the water temperature. The unit starts as soon as the set water temperature has been reached.

- 🌀 The unit starts as soon as the water temperature $> 28^\circ\text{C}$.
- ❄️ Only with configuration code DPC.HC4220!
The unit starts as soon as the water temperature $< 24^\circ\text{C}$.
- 🌀 1 Speed. Activator speed is set according to the unit's length.

A2.1.2. With control pannel - DPC.HC4423 / DPC.HC4523

 **Off** The user manually selects the desired mode via the control panel The unit can run at 3 speeds. The unit starts as soon as the set water temperature has been reached.

 The unit starts at the last selected speed (1, 2 or 3).

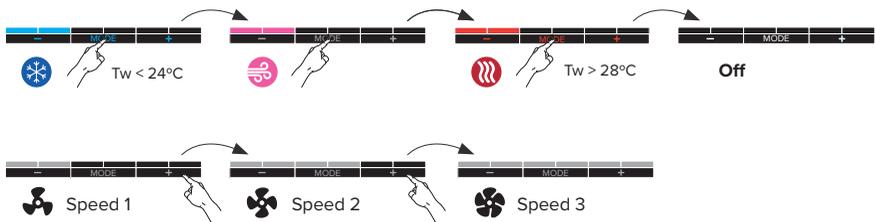
 Only with configuration code

 The unit starts at the last selected speed (1, 2 or 3), regardless of the water temperature.

Off All functions are disabled until the user switches on the unit via the control panel.

 Activator speed is set according to the unit's length.

Control



 **Blue LEDs** are flashing in the set mode: the water temperature of the supplied water is too high ($T_w > 24^\circ\text{C}$).
Red LEDs are flashing in the set mode: the water temperature of the supplied water is too low ($T_w < 28^\circ\text{C}$).

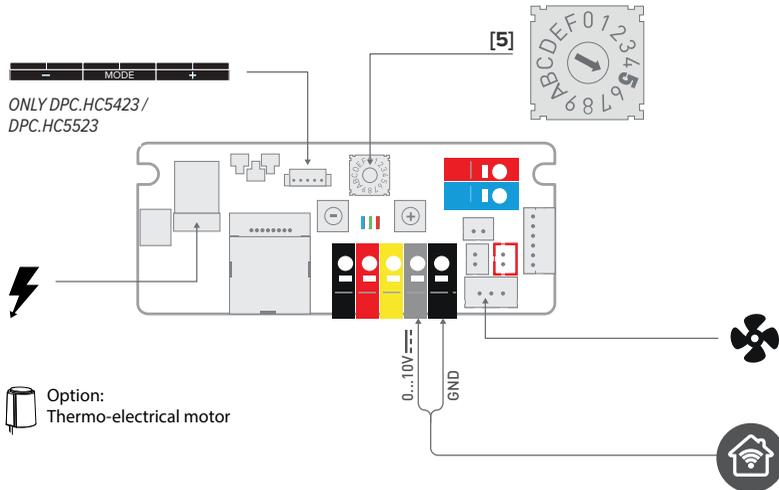
A2.2. OPTION: THERMO-ELECTRICAL MOTOR

–Valve opens in heating, cooling and breeze mode

–Valve closed in off mode.

B1. 0 - 10V BMS WITHOUT TEMPERATURE MONITORING

Configuration code: DPC.HC5220 / DPC.HC5423 / DPC.HC5523



B1.1. FACTORY SETTINGS

B1.1.1. Without control panel - HC5220

- The device is controlled via home automation.
- The unit starts as soon as there is a 0-10V control signal.
- The unit starts as soon as there is a 0-10V control signal.
- 1 Speed. Activator speed is set according to the unit's length.

B1.1.2. With control panel - DPC.HC5423 / DPC.HC5523

/ **Off** The user manually selects the desired mode via the control panel. The unit can run at 3 speeds. The unit starts as soon as there is a 0-10V control signal.

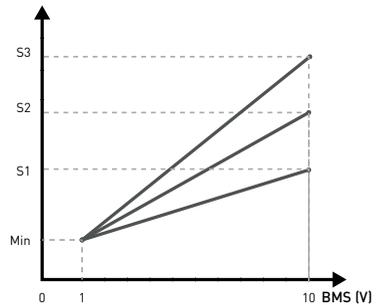
The unit starts at the last selected speed (1, 2 of 3) if there is a 0-10V control signal.

Only with configuration code DPC.HC5523!
The unit starts at the last selected speed (1, 2 of 3) if there is a 0-10V control signal.

The unit starts at the last selected speed (1, 2 of 3), regardless of the water temperature.

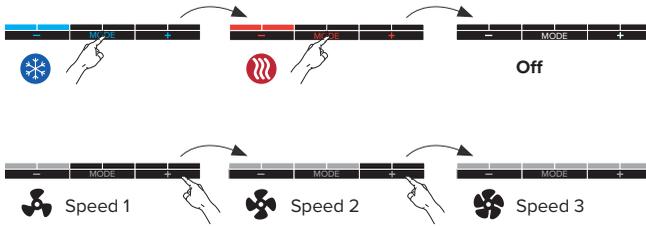
Off All functions are disabled until the user switches on the unit via the control panel.

- - Activator speed is set according to the unit's length.



curve: Speed versus 0-10V control signal

Control

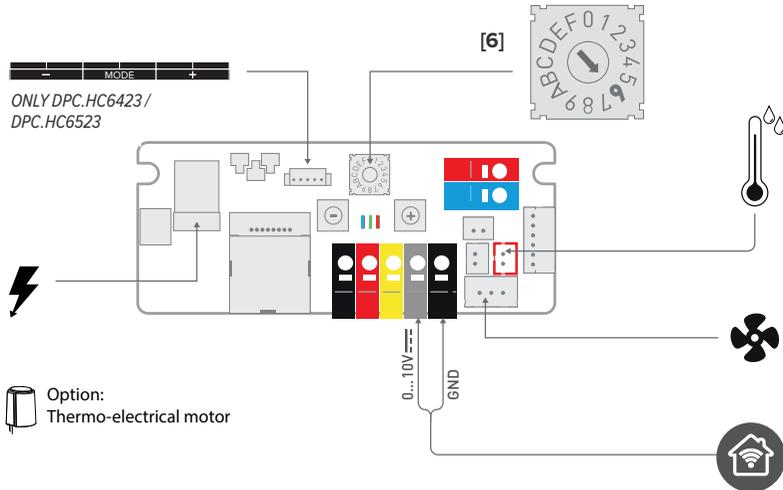


B1.2. OPTION: THERMO-ELECTRICAL MOTOR

- Valve opens in heating and cooling mode as soon as there is a control signal $> 1V$.
- Valve closed in off mode & when the control signal is $0V$.

B2. 0 - 10V BMS WITH WATER TEMPERATURE MONITORING

Configuration code: DPC.HC6120 / DPC.HC6220 / DPC.HC6423 / DPC.HC6523



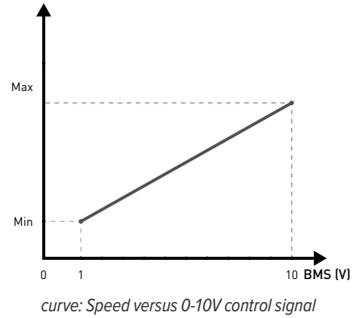
B2.1. FACTORY SETTINGS

B2.1.1. Without control panel - DPC.HC6120 / DPC.HC6220

- The device is controlled via home automation. The unit starts as soon as there is a 0-10V control signal and the set water temperature has been reached.
- The unit starts as soon as the water temperature is $> 28^{\circ}C$ and the control signal is 0-10V.

 Enkel bij configuratiecode DPC.HC6220!
The unit starts as soon as the water temperature is $< 24^{\circ}\text{C}$ and the control signal is 0-10V.

 Activator speed in function of the incoming control signal.



B2.1.2. With control pannel - DPC.HC6423 / DPC.HC6523

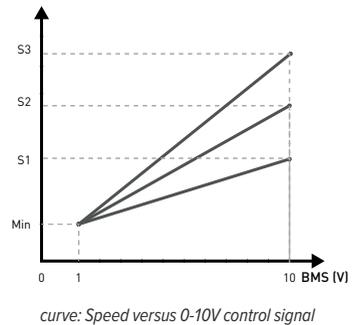
   / **Off** The user manually selects the desired mode via the control panel. The unit can run at 3 speeds. The unit starts as soon as there is a 0-10V control signal and the set water temperature has been reached.

 The unit start at the last selected speed (1, 2 of 3) if there is a 0-10V control signal. en de water temperature $> 28^{\circ}\text{C}$.

 Only with configuration code DPC.HC6523!
The unit start at the last selected speed (1, 2 of 3) if there is a 0-10V control signal. en de water temperature $< 24^{\circ}\text{C}$.

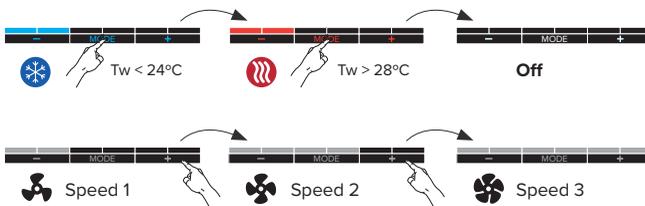
Off All functions are disabled until the user switches on the unit via the control panel.

   Activator speed is set according to the unit's length.



EN

Control



 **Blue LEDs** are flashing in the set mode: the water temperature of the supplied water is too high ($T_w > 24^{\circ}\text{C}$).

Red LEDs are flashing in the set mode: the water temperature of the supplied water is too low ($T_w < 28^{\circ}\text{C}$).

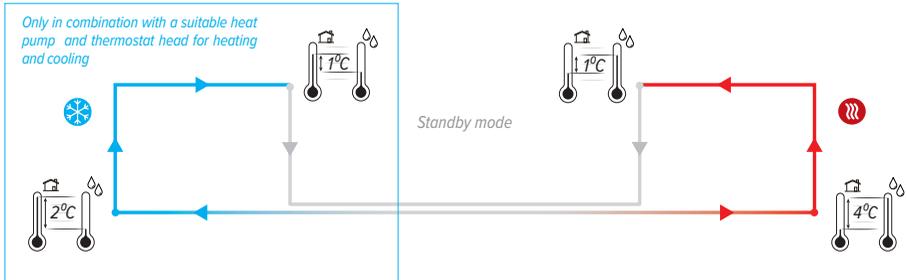
B2.2. OPTION: THERMO-ELECTRICAL MOTOR

–Valve opens in heating and cooling mode as soon as there is a control signal $> 1\text{V}$.

–Valve closed in off mode & when the control signal is 0V.

B3. 0 - 10V BMS WITH WATER- AND ROOM TEMPERATURE MONITORING (AUTO-CHANGE-OVER)

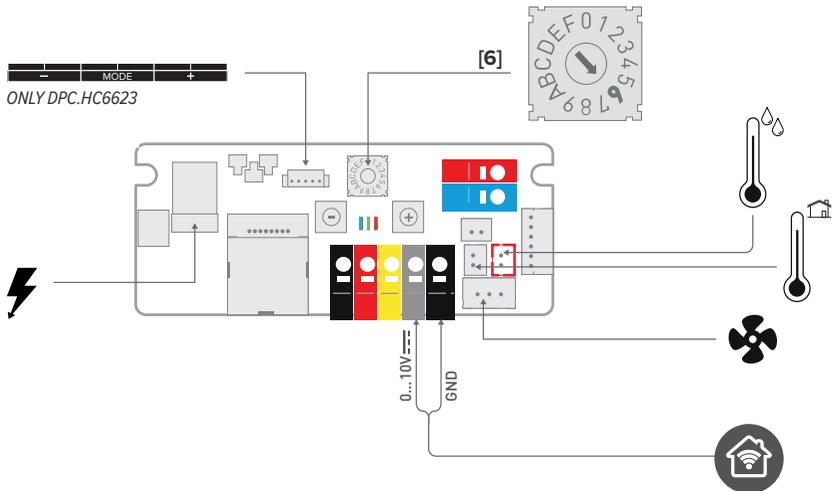
Configuration code: DPC.HC6320 / DPC.HC6623



❄️ The device automatically enters the cooling mode as soon as the water temperature is 2°C lower than the room temperature. If the water temperature is less than 1°C lower than the room temperature, the device will automatically switch to standby.

🔌 The unit is in standby.

🔥 The device automatically enters the heating mode as soon as the water temperature is 4°C higher than the room temperature. If the water temperature is less than 1°C higher than the room temperature, the device will automatically switch to standby.



B3.1. FACTORY SETTINGS

B3.1.1. Without control panel - DPC.HC6320

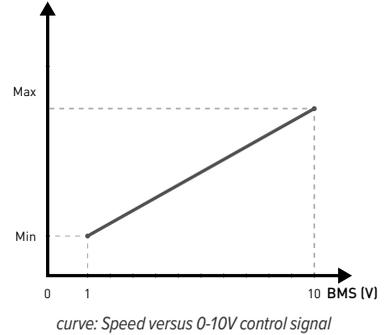
🏠 🔥 ❄️ 🔌 .The control is set by default to auto-change-over mode. In this mode, the device itself controls the desired operating mode based on the water and room temperature.

🔥 Auto-change-over. The unit starts as soon as the water temperature > 28°C.

 Auto-change-over. The unit starts as soon as the water temperature <math>< 24^{\circ}\text{C}</math>.

 The unit is in standby.

 Activator speed in function of the incoming control signal.



B3.1.2. With control pannel - DPC.HC6623

   .The control is set by default to auto-change-over mode. In this mode, the device itself controls the desired operating mode based on the water and room temperature. De gebruiker kan tijdelijk manueel een andere mode selecteren. The device will automatically return to the auto-change-over mode as soon as a new cycle starts.

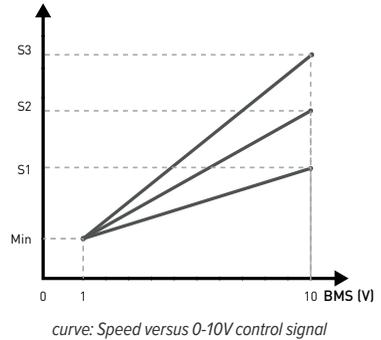
 Auto-change-over. The unit starts at the last selected speed(1, 2 or 3), as soon as the water temperature > 28°C .

 Auto-change-over. The unit starts at the last selected speed(1, 2 or 3), as soon as the water temperature < 24°C .

 The unit is in standby.

Permanently off All functions are disabled until the user switches on the unit via the control panel.

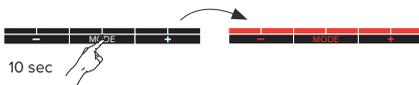
 Activator speed in function of the incoming control signal.



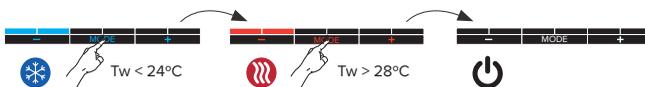
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Control

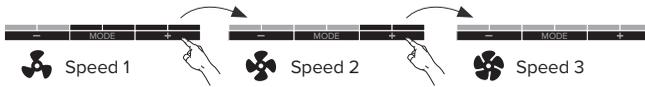
–Switch on the device: Hold down [Mode] for 10 seconds until all red LEDs are on.



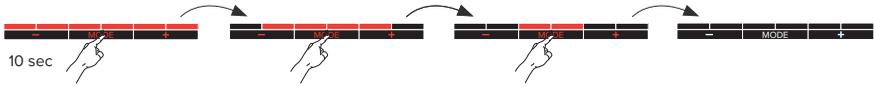
Mode:



Speed:



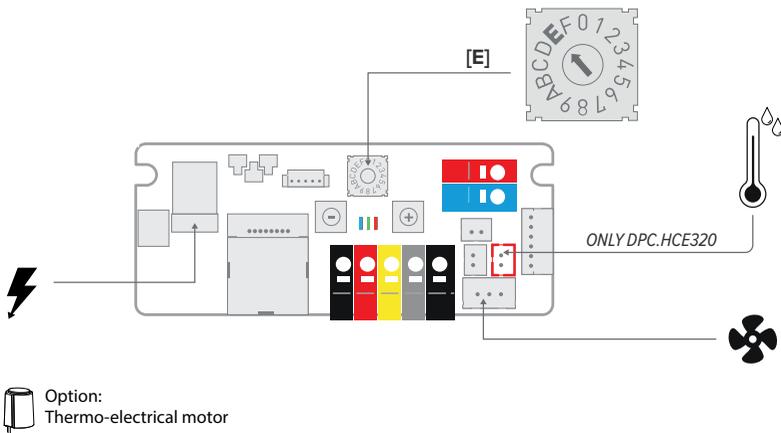
– **Permanently off:** Hold down [Mode] until all red LEDs are off.



- ⚠ Blue LEDs are flashing in the set mode: the water temperature of the supplied water is too high ($T_w > 24^\circ\text{C}$).
- ⚠ Red LEDs are flashing in the set mode: the water temperature of the supplied water is too low ($T_w < 28^\circ\text{C}$).

B4. 0 - 5 / 5 - 10V BMS

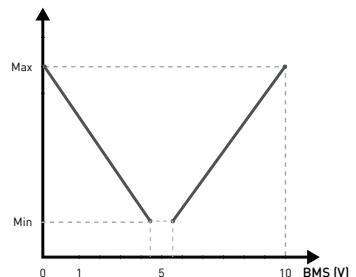
Configuration code: DPC.HCE220 / DPC.HCE320



B4.1. FACTORY SETTINGS

B4.1.1. No water temperature monitoring - DPC.HCE220

- 🏠 The device is controlled via home automation.
- 🔥 The unit starts as soon as there is a 0-5V control signal.
- ❄ The unit starts as soon as there is a 5-10V control signal.
- 🌀 Activator speed in function of the incoming control signal.



curve: Speed versus 0-10V control signal

B4.1.2. WITH WATER TEMPERATURE MONITORING - DPC.HCE320

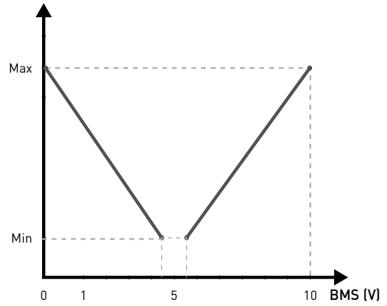
   / **Off** The device is controlled via home automation. The unit starts as soon as there is a 0-5/5-10V control signal and the set water temperature has been reached.

 The unit starts as soon as the water temperature is $> 28^{\circ}\text{C}$ and the control signal is 0-5V.

 The unit starts as soon as the water temperature is $< 24^{\circ}\text{C}$ and the control signal is 5-10V.

Off All functions are disabled until the user switches on the unit via the control panel.

 Activator speed in function of the incoming control signal.



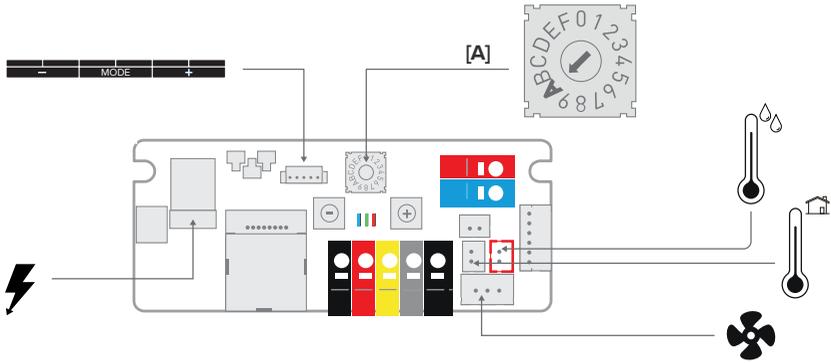
curve: Speed versus 0-5 / 5-10V control signal

B4.2. OPTION: THERMO-ELECTRICAL MOTOR

- Valve opens in heating mode as soon as there is a 0-5V control signal.
- Valve opens in cooling mode as soon as there is a 5-10V control signal.
- Valve closed in off mode or when the control signal is 5V.

C. TEMPERATUURMODUS

  **Off** The unit is controlled based on the requested and measured temperature.
Configuration code: DPC.HCA423 / DPC.HCA523



 Option:
Thermo-electrical motor

B.5. FACTORY SETTINGS

 The unit starts as soon as the control panel is in heating mode, the requested room temperature has not been reached and the water temperature is $> 28^{\circ}\text{C}$.

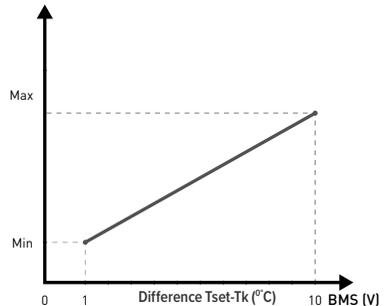
 Only with configuration code DPC.HCA523!

The unit starts as soon as the control panel is in cooling mode, the requested room temperature has not been reached and the water temperature is $< 24^{\circ}\text{C}$.

Off All functions are disabled until the user switches on the unit via the control panel.

 Activator speed in function of the difference between the set temperature (T_{set}) and the room temperature (T_k).

Boost function: The unit runs at maximum speed for 15 minutes.

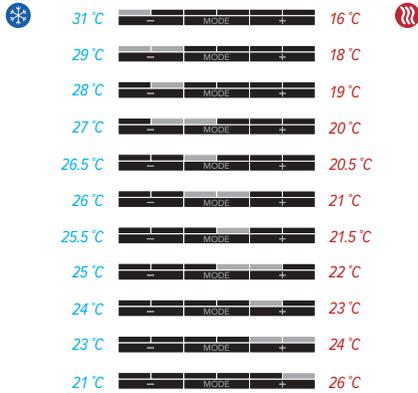


Activator speed in function of the difference between the set temperature (T_{set}) and the room temperature (T_k).

Control



The user chooses the set temperature (Tset) via the [-] and [+] button.



Boost function: The unit runs at maximum speed for 15 minutes. The LED's are flashing slowly.



Deactivating the boost mode

Briefly press the [-] or [+] button. The device returns to the selected mode..

! De boost mode automatically stops when the water temperature is > 24°C when cooling or < 28°C when heating.

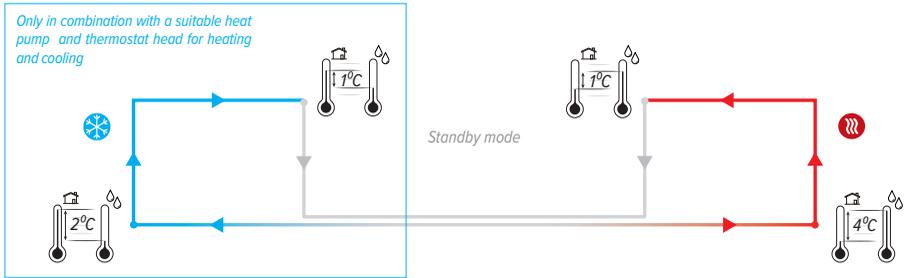
! **Blue LEDs** are flashing in the set mode: the water temperature of the supplied water is too high ($T_w > 24$ °C).

Red LEDs are flashing in the set mode: the water temperature of the supplied water is too low ($T_w < 28$ °C).

C.1. OPTION: THERMO-ELECTRICAL MOTOR

- Valve opens in heating and cooling made based on the set temperature (Tset) and the measured temperature (Tk).
- Valve closed in off mode.

D. AUTO-CHANGE-OVER



! This device is not equipped with dew point control. This must be installed in the most critical place by the installer! Condensing cooling due to a dew point control malfunction may damage the device and its surroundings.!

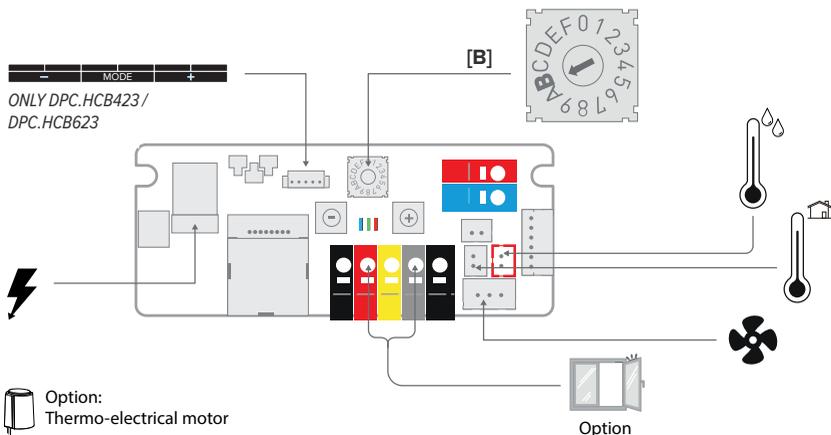
❄️ The device automatically enters the cooling mode as soon as the water temperature is 2°C lower than the room temperature. If the water temperature is less than 1°C lower than the room temperature, the device will automatically switch to standby.

⏻ The unit is in standby. The unit automatically starts a new cycle as soon as the set temperature has been reached.

🔥 The device automatically enters the heating mode as soon as the water temperature is 4°C higher than the room temperature. If the water temperature is less than 1°C higher than the room temperature, the device will automatically switch to standby.

🌀 De breeze mode is switched on and off manually. The auto-change-over is disabled as long as the breeze mode is active. Only applicable with control panel!

Configuration code: DPC.HCB120 / DPC.HCB320 / DPC.HCB423 / DPC.HCB623



D.1. FACTORY SETTINGS

D.1.1. Without control panel - DPC.HCB120 / DPC.HCB320

   The unit automatically enters the desired operating mode (or standby) based on the water and room temperature..

 Auto-change-over. The unit starts as soon as the water temperature > 28°C.

 Only with configuration code DPC.HCB320!
Auto-change-over. The unit starts as soon as the water temperature < 24°C.

 The unit is in standby.

 Activator speed is set according to the unit's length.

D.1.2. With control pannel - DPC.HCB423 / DPC.HCB623

    The device is controlled via auto-change-over. The unit starts as soon as the set water temperature has been reached. The user can temporarily select another mode manually.

 Auto-change-over. The unit starts at the last selected speed(1, 2 or 3), as soon as the water temperature > 28°C.

 Only with configuration code DPC.HCB623!
Auto-change-over. The unit starts at the last selected speed(1, 2 or 3), as soon as the water temperature < 24°C.

 The unit starts at the last selected speed (1, 2 of 3), regardless of the water temperature.

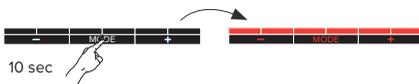
 The unit is in standby. The unit automatically starts a new cycle as soon as the set temperature has been reached.

Permanently off All functions are disabled until the user switches on the unit via the control panel.

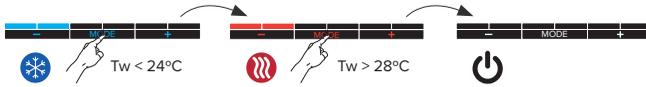
   Activator speed is set according to the unit's length.

Control

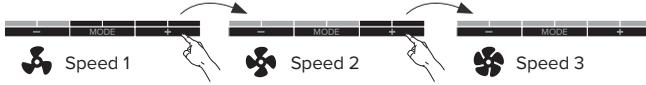
–**Switch on the device:** Hold down [Mode] for 10 seconds until all red LEDs are on.



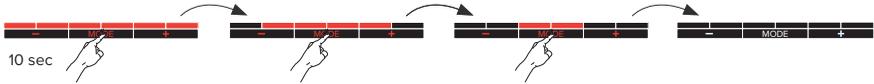
-Mode



-Speed



- **Permanently off:** Hold down [Mode] until all red LEDs are off.



! Blue LEDs are flashing in the set mode: the water temperature of the supplied water is too high ($T_w > 24$ °C).

Red LEDs are flashing in the set mode: the water temperature of the supplied water is too low ($T_w < 28$ °C).

5. SETTINGS VIA CONTROL PANEL

5.1. ADJUSTING THE WATER TEMPERATURE

The unit starts from the set temperature **24** / **28**.

Setting the maximum water temperature for cooling

By setting the temperature lower, the unit will start later. If the water temperature is set higher, the unit will start faster.

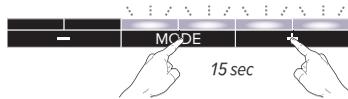
1. Put the device in the cooling mode ❄️
2. Hold down the **[Mode]** and **[+]** simultaneously until the last 4 LEDs start flashing.

set minimum water temperature heating

By setting the temperature higher, the unit will start later. If the water temperature is set lower, the unit will start faster.

⚠️ When using a heat pump, it may be necessary to set the water temperature at a lower setting.

1. Put the device in heating mode 🔥
2. Hold down the **[Mode]** and **[+]** simultaneously until the last 4 LEDs start flashing.



3. Briefly press the **[-]** or **[+]** button to adjust the set temperature.

| | | |
|--------------|--|--------------|
| 12 °C | | 24 °C |
| 14 °C | | 26 °C |
| 16 °C | | 28 °C |
| 18 °C | | 30 °C |
| 20 °C | | 32 °C |
| 22 °C | | 34 °C |
| 24 °C | | 36 °C |
| 26 °C | | 38 °C |

24 / **28** factory default water temperature

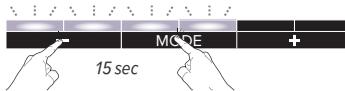
4. After 30 seconds, the new settings are automatically saved and the device returns to the selected mode..

5.2. SETTING FANSPEED

5.2.1. 3 speeds control

1. Put the device in the mode that you want to adjust: **Cooling** ❄️ / **breeze** 🌀 / **Heating** 🔥
2. Put the device in the speed that you want to adjust: 🌀 - 🌀 - 🌀
3. Hold down **[Mode]** and **[-]** simultaneously until the first 4 LED's are flashing.

4. Short press **[-]** or **[+]** to adjust the set speed.



Default factory setting of the activator speed is selected depending on the device's length in order to guarantee the sound levels..

| | | | |
|------|---|------|---|
| 50% | — | MODE | + |
| 55% | — | MODE | + |
| 60% | — | MODE | + |
| 65% | — | MODE | + |
| 70% | — | MODE | + |
| 75% | — | MODE | + |
| 80% | — | MODE | + |
| 85% | — | MODE | + |
| 90% | — | MODE | + |
| 95% | — | MODE | + |
| 100% | — | MODE | + |
| 105% | — | MODE | + |
| 110% | — | MODE | + |
| 115% | — | MODE | + |
| 120% | — | MODE | + |

5. After 30 seconds, the new settings are automatically saved and the device returns to the selected mode..

6. SETTINGS VIA CIRCUIT BOARD CONTROLLER

6.1. ADJUSTING THE WATER TEMPERATURE

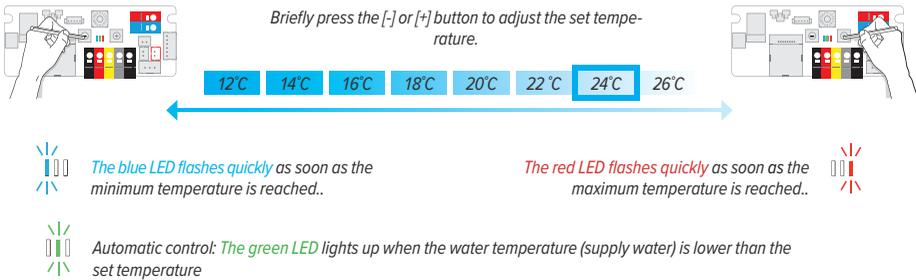
The unit starts from the set temperature **24** / **28**.

6.1.1. Setting the maximum water temperature for cooling

By setting the temperature lower, the unit will start later. If the water temperature is set higher, the unit will start faster.

1. Start setup mode: hold the [-] button until the **blue LED** flashes 5x and release.

2.



3. Exit setup mode: hold the [-] button until the **blue LED** flashes 5x and release.

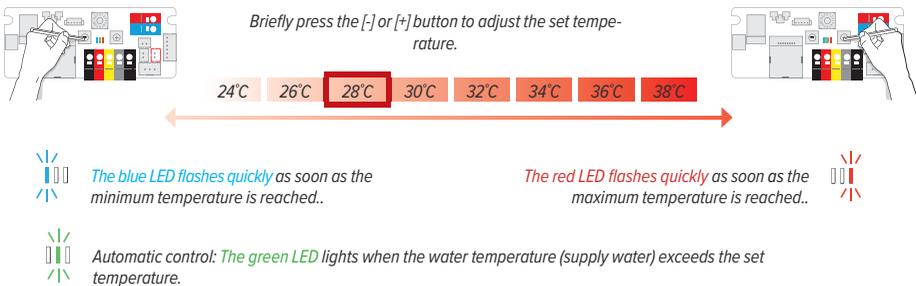
6.1.2. set minimum water temperature heating

By setting the temperature higher, the unit will start later. If the water temperature is set lower, the unit will start faster.

⚠ When using a heat pump, it may be necessary to set the water temperature at a lower setting.

1. Exit setup mode: hold the [+] button until the **red LED** flashes 5x and release.

2.



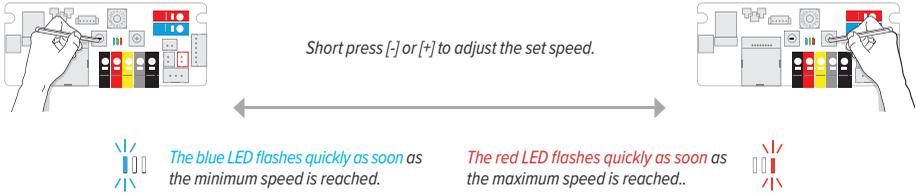
3. Exit setup mode: hold the [+] button until the **red LED** flashes 5x and release.

⚠ After 30 seconds, the new settings are automatically saved and the device returns to the selected mode..

6.2. SETTING FANSPEED

6.2.1. Without control panel

1. Put the device in the mode that you want to adjust: Cooling ❄️ / Heating 🔥
- 2.

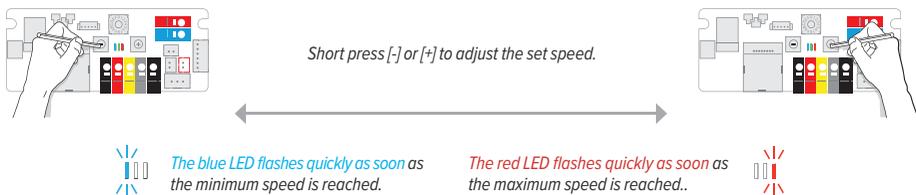


| SPEED % | | | | | | | | | | | | | | |
|---------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 | 105 | 110 | 115 | 120 |

3. After 30 seconds, the new settings are automatically saved and the device returns to the selected mode..

6.2.2. With control panel

1. Put the device in the mode that you want to adjust: Cooling ❄️ / Heating 🔥
2. Put the device in the speed that you want to adjust: 🌀 - 🌀 - 🌀
- 3.

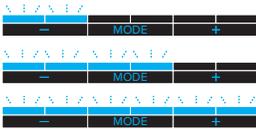


| SPEED % | | | | | | | | | | | | | | |
|---------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 | 105 | 110 | 115 | 120 |

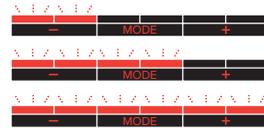
4. After 30 seconds, the new settings are automatically saved and the device returns to the selected mode..

7. NOTIFICATIONS

Blue LEDs are flashing in the set mode: the water temperature of the supplied water is too high ($T_w > 24^{\circ}\text{C}$).



Red LEDs are flashing in the set mode: the water temperature of the supplied water is too low ($T_w < 28^{\circ}\text{C}$).

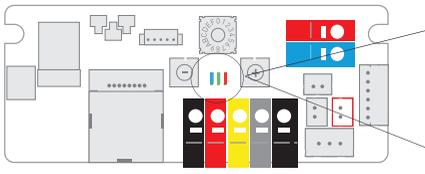


The LEDs are blinking in a pattern and in the color that matches the selected mode

Only if the window contact is connected and switched on: The window contact is open.



Circuit board error code



Error sensor [3] - Check the water temperature sensor

Error sensor [4] - Check the room temperature sensor

EN

Control panel error codes

LED flashes rapidly in the color of the set mode.



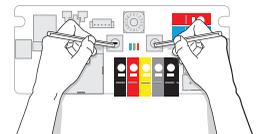
Error sensor [3] - Check the water temperature sensor



Error sensor [4] - Check the room temperature sensor

8. FACTORY RESET

1. Disable power charge.
2. Press and hold down both the [-] and [+] button on the circuit board and switch on the power again. The blue LED will light up, followed by the green LED 2 seconds later and the red LED 4 seconds later. Release the buttons as soon as all 3 LEDs are flashing.
3. The controller will return to the Factory settings, all LEDs will flash for 10 seconds. The controller will return to the Factory Default settings, all LEDs will flash for 8 seconds.



9. WARRANTY CONDITIONS

1. The guarantee is valid only if the equipment is properly and correctly used, by its first owner and if installed in accordance with the norms and instructions as stipulated in the instruction leaflet and the current practices.
2. The guarantee only applies to the equipment and the spare parts. Jaga has the choice between repair and replacement of the equipment or the spare parts. If there has been a change in the model, Jaga is authorised to replace the guaranteed equipment with an equivalent equipment or equivalent spare parts. In those cases where the guarantee claim is received, during the first six months after the start of the guarantee, on all labour and transport costs.
3. The period of guarantee is mentioned in this certificate. A repair or replacement does not change anything to the original period of guarantee.
4. No guarantee is granted on equipment or spare parts lacking information concerning type or series, or on equipment where this information has been removed or altered, or on equipment that has been repaired or modified by persons not authorized by Jaga.
5. The customer is responsible for the damage in the cases where the damage is due to errors of placement, fittings, electrical connections, faulty or damaged electrical installations or appliances, erroneous voltage or hydraulic pressure and all other errors not related to the product delivered by Jaga. The guarantee is also revoked when unsuited parts are applied. The guarantee for our heat exchangers not valid if they are emptied at set times or during a certain period, or if they are heated by means of industrial water, steam or water saturated by great quantities of oxygen. The quality of the system water has to be in accordance with the VDI 2035-2 directives. The guarantee is also revoked when the heat exchangers are placed in aggressive atmospherical surroundings (ammonia, caustic substances). Lacquered radiators should not be used in humid spaces. Lacquered radiators should not be used in the following areas: above a bath with a built-in shower unit, in a shower cubical or next to it, in a swimming pool (chlorine) or in a sauna.
6. Jaga does not give a guarantee on faulty equipment due to incorrect handling and/or use of the equipment, the dropping of the equipment or the transport without the necessary precautions, or for all equipment that is built in, in a way that it cannot be reached normally. The guarantee is valid only if the equipment is properly and correctly used, by its first owner and if installed in accordance with the norms and instructions as stipulated in the instruction leaflet and the current practices.
7. In all cases where the guarantee is granted but where the intervention occurs later than 6 months after the start of the guarantee, and in all other cases, labour and transportation costs are calculated according to scales set by Jaga. Customers can get information on those scales either from our sales administration personnel, or from the maintenance engineer.
8. All interventions not covered by the guarantee have to be paid in cash to the maintenance engineer.
9. The guarantee starts on the date of the invoice. If the invoice is not available, the serial number or the date of production prevails.
10. Only the courts of judicial district Hasselt (Belgium) are authorised to deal with disputes arising from this guarantee. It will apply Belgian law even when sales involved are subjects of EU member states as well as non-EU member countries.

CONFORMITEITSVERKLARING

CEO JAGA N.V.
Jan Kriekels



JAGA N.V. - Verbindingslaan 16 - B 3590, verklaart hierbij op eigen exclusieve verantwoorde-
lijkheid dat het product waarop deze betrekking heeft: **DBH**
Conform is met de normen of andere documenten op voorwaarde dat ze worden gebruikt
overeenkomstig onze instructies: **NBN EN 60335-1 based on EN60335-1:2012 + A11:2014 + A12:2017 + A13:2017**
NBN EN 60335-2-80 based on EN 60335-2-80:2003 + A1:2004 + A2:2009

Overeenkomstig de bepalingen van de Richtlijnen:

- Low Voltage 2014/35/EC
- EMC 2014/30/EC
- Machinery 2006/42/EC



DÉCLARATION DE CONFIRMITÉ

CEO JAGA N.V.
Jan Kriekels



JAGA N.V. - Verbindingslaan 16 - B 3590, déclare sous sa seule responsabilité que la produit
visé par la présente déclaration: **DBH**
Est conforme aux normes ou autres documents pour autant qu'ils soient utilisés
conformément à nos instructions: **NBN EN 60335-1 based on EN60335-1:2012 + A11:2014 + A12:2017 + A13:2017**
NBN EN 60335-2-80 based on EN 60335-2-80:2003 + A1:2004 + A2:2009

Conformément aux stipulations des Directives:

- Low Voltage 2014/35/EC
- EMC 2014/30/EC
- Machinery 2006/42/EC



KONFORMITÄTSERKLÄRUNG

CEO JAGA N.V.
Jan Kriekels



JAGA N.V. - Verbindingslaan 16 - B 3590, erklärt auf seine alleinige Verantwortung dass das
Product wafür diese Erklärung bestimmt ist: **DBH**
Den folgenden Normen oder Dokumenten entspricht, unter der Voraussetzung dass Sie gemäß
unseren Anweisungen eingesetzt werden: **NBN EN 60335-1 based on EN60335-1:2012 + A11:2014 + A12:2017 + A13:2017**
NBN EN 60335-2-80 based on EN 60335-2-80:2003 + A1:2004 + A2:2009

Gemäss den Vorschriften der Direktiven:

- Low Voltage 2014/35/EC
- EMC 2014/30/EC
- Machinery 2006/42/EC



DECLARATION OF CONFORMITY

CEO JAGA N.V.
Jan Kriekels



JAGA N.V. - Verbindingslaan 16 - B 3590, declares under its sole responsibility that the
product to which this declaration relates: **DBH**
is in conformity with the following standards or documents provided that these are used in
accordance with our instructions: **NBN EN 60335-1 based on EN60335-1:2012 + A11:2014 + A12:2017 + A13:2017**
NBN EN 60335-2-80 based on EN 60335-2-80:2003 + A1:2004 + A2:2009

Following the provision of Directives as amended:

- Low Voltage 2014/35/EC
- EMC 2014/30/EC
- Machinery 2006/42/EC



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