



Remote Control HCP 10

Installation and User Manual

Rev. 1.3

en

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CONTROL YOUR CLIMATE

Remote Control HCP 10 – Installation and User Manual

Introduction

This instruction provides the procedures for installing and using the wired Remote Control HCP 10.



Caution

Before you start installing, make sure that the power to the unit is switched off.

Before you start

Make sure that you have the HCP10 and a small screwdriver available before you start. Connect the RJ11 cable to the Domestic Ventilation unit using the MODBUS connection (2).

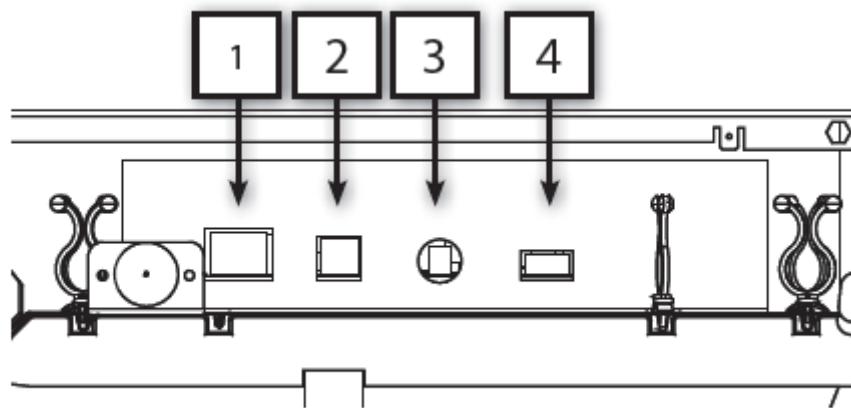


Fig. 23

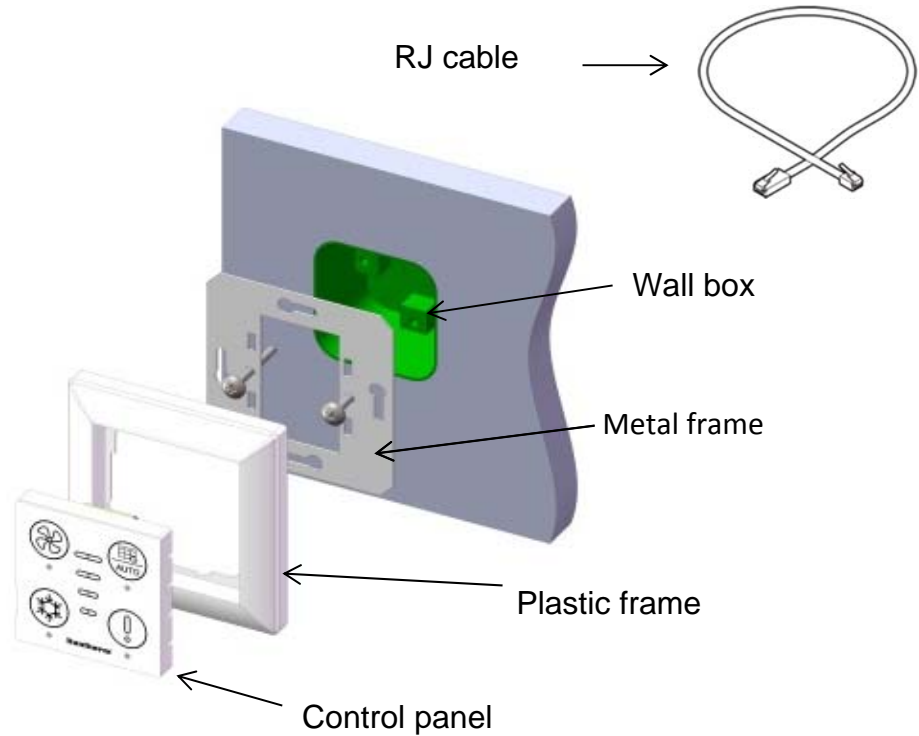
Connection	Description
1: ETHERNET	LAN connecting for wireless router, BMS
2: MODBUS	Modbus connection for hardware accessory modul (HAC) and wired control HCP 10
3: ANTENNA	Wireless connection point for proprietary remote control
4: DIGI IN	External digital input, to select specific operations. Parameters can be set by the PC-tool.

Continued overleaf

Remote Control HCP 10 – Installation and User Manual, *continued*

Parts

This shows the parts that are included with the HCP 10 (wallbox is not included):



Procedure

Follow these steps to mount the Remote Control:

Step	Action
1	Mount the wallbox in the wall, if not already done. The HCP 10 fits to a GIRA EAN 4010337061038 or single LK Fuga EAN 5703302105002 (green) wallbox/Unterputzdose.
2	Mount the metal frame on the wallbox using the 2 screws.
3	Put the cable from the wall through the plastic frame and click it into the socket on the Control panel.
4	Switch the power on and check if the display on the HCP 10 lights up, and Click the Control panel on the metal frame.











How to calibrate the Domestic Ventilation unit

Introduction

Before you can get full benefit of the Ventilation unit, you need to calibrate it.

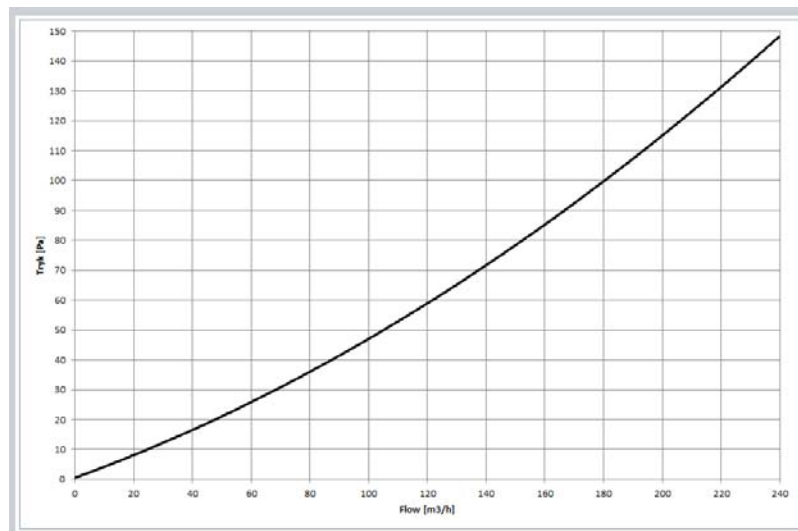
Calibration

Follow the steps below to calibrate the airflows in the unit according to the values stated in the specific Service Manual for the unit:

Step	Action	Result
1	Press  and  at the same time and keep them pressed for 5 seconds to activate installer mode.	The two green LEDs will flash and the unit is in calibration mode
2	Supply Air: Press  and keep it pressed while you press  to increase the speed of the supply fan. Alternatively press  to decrease the speed.	The speed of the supply air will be increased/decreased
3	Exhaust Air: Press  and keep it pressed while you press  to increase the speed of the return fan. Alternatively press  to decrease the speed.	The speed of the exhaust air will be increased/decreased
4	Press  and  at the same time and keep them pressed for 5 seconds to leave installer mode.	The green LEDs will turn off and the unit is out of calibration mode
5	Note the measured airflows on the front of the ventilation unit and/or in the table below.	

Airflows

This table can be used to note the airflows.



Einstellwerte / Calibration / Calibrazione



P1 → P2

_____ (Pa)

_____ (m³)



P3 → P4

_____ (Pa)

_____ (m³)

Using the control panel

Introduction

This part describes how to use the remote control (HCP 10). The functionality varies depending on if any accessory is mounted.

Manual fan speed

When pressing this button once, the fan speed will increase one step. When reaching step 4 it will switch to speed 0 and then again upwards

Week program

Press once to select week program operation. The unit will operate in latest used program. Only remote control (HCP 10) or PC Tool enables you to select appropriate week program according your local needs.

Week program 11 can be tailor-made also with a mix of fixed fan speeds, as well as demand mode time periods.

Week program 11 can be programmed with the PC tool.

5 seconds long press will activate demand controlled operation, VOC/RH% sensor kit if installed.

- LED light permanently to indicate week program
- LED flashes to indicated auto mode (demand) controlled by the VOC/CO₂sensors.



Demand mode



In this mode (Controlled by VOC and RH% sensor (accessory)) the unit will automatically adjust the ventilation level, to comply with the ventilation needs, measured in the extract air by the VOC and RH% sensors. This operation mode is only possible if the unit is fitted with VOC or RH% sensor kit

Summer cooling mode

Summer cooling mode will stop the supply fan, and new colder outside fresh air will be suck in through and open window.

- Press and hold for 5 seconds for enabling or disabling summer cooling mode
- Supply fan operation will stop in summer cooling mode.
- Cold outside air will be supplied into the house directly if opening some windows – exhaust fan will keep extracting air from the house creating an air flow.
- Summer cooling mode can only be activated if outside temp. is above 14°C. If the outside temp. is under 14°C. it will be automatically disable and must be manually enabled again



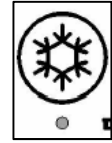
When summer cooling mode is active the LED flashes 5 seconds and goes off 1 second

Continued overleaf

Using the control panel, *continued*

Auto bypass cooling mode

Only available if mechanical bypass damper is mounted inside the unit, and enabled in the PC tool or via remote control (HCP 10).



Automatic bypass cooling is dependent on user settings.

On remote control (HCP 10) and PC tool the following is possible:

- Setting the minimum outside temperature within the range 8–15°C.
- Setting the extract setpoint in which the bypass damper is opened. Range is 22–30°C, with the possibility to select “off” to disable the auto bypass.

When the following is present the automatic bypass cooling will open.

- If outside air is 2°C lower than extract
- AND the outside is higher than set point.
- AND the extract is higher than set point.

Bypass is closed again if outside or extract conditions is below setpoint.

Bypass LED will light permanently when damper is open

Manual bypass mode

Only available if mechanical bypass damper is mounted inside the unit, and enabled in the PC tool



If the parameter for the auto bypass is not available, you can select manually bypass by pressing the bypass key once. This will override the setpoints, and activate bypass for 1 hour if the outside temperature is 2°C lower than inside.

The following parameter must be present for the manual bypass cooling to open:

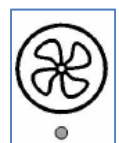
- Outside air < than supply air and extract
- Outside air > 9°C
- Extract > 15°C

Bypass LED will light when damper is open

Fireplace

A fireplace needs overpressure inside the house in order to avoid smoke in the living room when lighting it up. Fireplace mode will:

- Put supply fan into speed 3
- Reduce the extract fan speed to 50% of supply, in order to create this overpressure.
- If supply air <9°C fireplace mode will be disabled



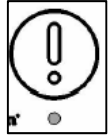
If fireplace is enabled in PC tool the fireplace function can be activated by pressing the manual fan speed for 5 seconds. Fireplace function is automatically disabled after 7 minutes, but can also be disabled manually by pushing MANUAL for 5 seconds again. Fan speed 3 LED's will flash during the 7 minutes fireplace count down.

Continued overleaf

Using the control panel, *continued*

Filter and error indications

This button is the alarm reset. If the LED lights up in orange it's a warning indicating that the filter needs to be changed. Please see the service guide section in the Service Manual for the product to learn how to replace the filters.



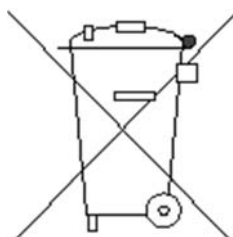
Press the button once to mute for a period of time

- Press and hold for 10 seconds to reset the filter timer. This can be done with or without filter alarm is present

When there is an alarm on the unit the Red alarm LED lights will flash as many times as the alarm number.



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