






## 2 Operation

How to use and read the operating devices of the unit is mentioned in the document of the operating device.  
How to use and read the display on the unit is mentioned in this document.














### 2.1 Available operating devices


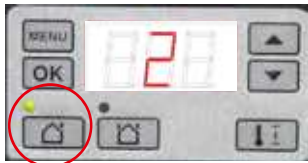

One or more of the following operating devices can be present to operate the unit:

Appearance	Name	Functions
	Display on unit	Indicating the set ventilation level; Indicating a malfunction or filter alert; Indicating if the bypass is open; Turning the supply fan on and off; Indicating and setting the comfort temperature; Setting the P-menus; Resetting the malfunctions and filter alert.   <b>The desired ventilation level cannot be set with the display on the unit.</b>
	CCB	Set the desired ventilation level: <input type="checkbox"/> 1 = Low; <input type="checkbox"/> 2 = Normal; <input type="checkbox"/> 3 = High; <input type="checkbox"/> Overrun timer.
	CCBL <sup>3</sup>	Set the desired ventilation level: <input type="checkbox"/> 1 = Low; <input type="checkbox"/> 2 = Normal; <input type="checkbox"/> 3 = High; <input type="checkbox"/> Overrun timer. Indicating a malfunction or filter alert.
 <p>Example switch</p>	Bathroom switch	Activating the overrun timer.

<sup>3</sup> Not available on the ComfoAir 180.


## 2.2 Reading the display on the unit

Appearance	Description	What to do
	All lights are off. The power of the unit is turned off.	Turn on the power of the unit.
	One number is displayed in the middle of the display. The current ventilation setting is displayed. Possible displayed settings are: □ 1 = Low; □ 2 = Normal; □ 3 = High.	No action required.
	The letter "A" is displayed in the middle of the display. The current ventilation setting is displayed. The displayed setting is "Absent".	No action required.
	The letter "t" is displayed at the left of the display (with one number in the middle of the display). An overrun timer is activated (and the current ventilation setting is displayed).	No action required.
	A point is displayed next to the middle of the display (with one number in the middle of the display). The bypass is opened (and the current ventilation setting is displayed).	No action required.
	The letters "Fil" and "tEr" are alternately flashing on the display. The "internal filter malfunction" is displayed.	Clean or replace the filters as mentioned in the "Maintenance" chapter.
	The letter "A" is flashing at the left of the display with one or two numbers on the right of the display. The current "malfunction code" is displayed.	Contact the installer or service engineer as mentioned in the "Malfunctions" chapter.
	The letter "E" is flashing at the left of the display with one number on the right of the display. The current "malfunction code" is displayed.	Contact the installer or service engineer as mentioned in the "Malfunctions" chapter.
	The letters "EA" are flashing at the left of the display with one number on the right of the display. The current "malfunction code" is displayed.	Contact the installer or service engineer as mentioned in the "Malfunctions" chapter.
	The letter "P" is displayed at the left of the display with one or two numbers on the right of the display. The current chosen "P-menu" is displayed.	No action required.  <b>At this time the lower buttons of the display are not functional.</b>
	One, two or three numbers are displayed in the right of the display. The current setting of the chosen "P-menu" is displayed.	No action required.  <b>At this time the lower buttons of the display are not functional.</b>









Appearance	Description	What to do
	Three numbers with a point after the second number are displayed in the display. The current setting of the comfort temperature is displayed.	No action required.
	The light above the icon with one arrow is lit. The supply fan is turned off. There is no supply of fresh air.	Do not forget to turn on the supply fan again when the supply fan has been turned off manually.
	The light above the icon with two arrows is lit. The supply fan is turned on. There is balanced ventilation.	No action required.

### 2.3 Reading and setting the comfort temperature

The unit will strive for the most comfortable supply air temperature based on the set comfort temperature.

 **It is best to set the comfort temperature to the same temperature as the room thermostat (of the central heating system).**

The comfort temperature can be set between 12°C and 28°C. How to read or set the comfort temperature on the present operating device can be found in the document of the operating device.

	Action on display	Reaction on display <sup>4</sup>	Explanation
1	Press and hold  for at least 3 seconds		Current set comfort temperature is being displayed.
2	Press 		Comfort temperature is increased by 0.5°C.
	Or press 		Comfort temperature is decreased by 0.5°C.
3	Press 		Comfort temperature is confirmed and the display returns to the default screen.

### 2.4 Switching the supply fan on and off





When required, the supply fan of the unit can be turned off manually. This may be desired to keep out unpleasant odours from outside. Bear in mind that switching off the supply or exhaust fan will temporarily immobilise your dwelling's balanced ventilation system, so do not forget to turn the supply fan on again. How to switch the supply fan on or off on the present operating device can be found in the document of the operating device.

#### When can the supply fan not be turned off on the display?

To prevent air being sucked back from the chimney of a fireplace the unit is fitted with an open fire programme. When needed the installer or service engineer can turn this programme on. If the open fire programme is turned on the supply fan cannot be turned on or off manually.

#### When can the supply fan not be turned on?

The supply fan cannot only be operated manually but can also be controlled automatically by the unit itself. This occurs in the winter to protect the unit from freezing. If the supply air is too cold for the unit, the unit will automatically switch the supply fan off. In this case the supply fan cannot be turned on manually.

	Action on display	Reaction on display	Explanation
1	Press and hold  for at least 3 seconds		The supply fan is turned off.  The light above the button turns green.
2	Press and hold  for at least 3 seconds		The supply fan is turned on.  The light above the button turns green.























**The supply fan will not automatically turn back on. Do not forget to turn the supply fan back on.**

<sup>4</sup> The displayed settings are the standard setting of the unit. This may differ from the actual setting of the unit.





















## 2.5 Setting an overrun timer for the CCB or CCBL<sup>3</sup>

The ventilation setting can be increased for a set time. This can be useful when additional ventilation is needed for a short time like during cooking and showering. How to switch the overrun timer on or off can be found in the document of the CCB or CCBL<sup>3</sup>. The overrun timer can be set in P-menu 23 between 0 minute and 120 minutes.

	Action on display	Reaction on display <sup>4</sup>	Explanation
1	Press 		The main P-menus are being entered.
2	Press 		The sub P-menus of the selected P-menu are being entered
3	Press  until P23 appears		The different sub P-menus of the selected P-menu are being displayed.
4	Press 		The selected P-menu is being entered.
5	Press 		Time delay is increased by 1 minute.
	Or press 		Time delay is decreased by 1 minute.
6	Press 		Time delay is confirmed and returned to the sub P-menus of the selected P-menu.
	Press 		Old settings are restored and returned to the sub P-menus of the selected P-menu.
7	Press 		Returned to the main P-menus.
8	Press 		Returned to the default screen.

## 2.6 Setting an overrun timer for the bathroom switch

The ventilation setting can be increased for a set time. This can be useful when additional ventilation is needed for a short time like during cooking and showering. How to switch the overrun timer on or off can be found in the document of the bathroom switch. The overrun timer can be set in P-menu 22 between 0 minute and 120 minutes.











	Action on display	Reaction on display <sup>4</sup>	Explanation
1	Press 		The main P-menus are being entered.
2	Press 		The sub P-menus of the selected P-menu are being entered
3	Press  until P22 appears		The different sub P-menus of the selected P-menu are being displayed.
4	Press 		The selected P-menu is being entered.
5	Press 		Time delay is increased by 1 minute.
	Or press 		Time delay is decreased by 1 minute.
6	Press 		Time delay is confirmed and returned to the sub P-menus of the selected P-menu.
	Press 		Old settings are restored and returned to the sub P-menus of the selected P-menu.
7	Press 		Returned to the main P-menus.
8	Press 		Returned to the default screen.

<sup>3</sup> Not available on the ComfoAir 180.

<sup>4</sup> The displayed settings are the standard setting of the unit. This may differ from the actual setting of the unit.

## 2.7 Setting a delay timer for the bathroom switch





















A high ventilation setting is not always desired, for instance when you only go to the bathroom for a short time. Therefore a delay time, in which the unit will do nothing with the information it receives from the bathroom switch, can be set. How to switch the delay timer on or off can be found in the document of the bathroom switch. The delay timer can be set in P-menu 21 between 0 minute and 15 minutes.

	Action on display	Reaction on display <sup>4</sup>	Explanation
1	Press 		The main P-menus are being entered.
2	Press 		The sub P-menus of the selected P-menu are being entered
3	Press 		The selected P-menu is being entered.
4	Press 		Time delay is increased by 1 minute.
	Or press 		Time delay is decreased by 1 minute.
5	Press 		Time delay is confirmed and returned to the sub P-menus of the selected P-menu.
	Press 		Old settings are restored and returned to the sub P-menus of the selected P-menu.
6	Press 		Returned to the main P-menus.
7	Press 		Returned to the default screen.

## 2.8 Setting the delay timer for the filter alert

How fast the filters of the unit need cleaning or replacing depends on the air quality of the environment.

In the countryside the filters may not pollute as fast as in urban places. Therefore the filter alert has an adjustable delay timer. After the delay timer has run out, the following filter malfunctions appear alternately on the display: **FIL** and **EEr**. How to clean or replace the filters is mentioned in the "Maintenance" chapter. The delay timer can be set in P-menu 24 between 10 weeks and 25 weeks.

	Action on display	Reaction on display <sup>4</sup>	Explanation
1	Press 		The main P-menus are being entered.
2	Press 		The sub P-menus of the selected P-menu are being entered
3	Press  until P24 appears		The different sub P-menus of the selected P-menu are being displayed.
4	Press 		The selected P-menu is being entered.
5	Press 		Time delay is increased by 1 week.
	Or press 		Time delay is decreased by 1 week.
6	Press 		Time delay is confirmed and returned to the sub P-menus of the selected P-menu.
	Press 		Old settings are restored and returned to the sub P-menus of the selected P-menu.
7	Press 		Returned to the main P-menus.
8	Press 		Returned to the default screen.

<sup>4</sup> The displayed settings are the standard setting of the unit. This may differ from the actual setting of the unit.

## 2.9 P menus for the user




The software of the unit can be customised to the users requirements by changing the values in the P-menus of the software.

Menu P1 and menu P9 are read-only menus, menu P2 is for setting time delays among other things. A summary of all the accessible P-menus is given below.

### Menu P1 > Status of time programmes

Submenu	Description	Status
		Activated
P11	Is menu P21 currently active?	Yes (1) / No (0)
P12	Is menu P22 currently active?	Yes (1) / No (0)
P13	Is menu P23 currently active?	Yes (1) / No (0)
P14	Is menu P24 currently active?	Yes (1) / No (0)
P15	Is menu P25 currently active?	Yes (1) / No (0)
P16	Is menu P26 currently active?	Yes (1) / No (0)
P17	Is the Summermode currently active?	Yes (1) / No (0)

### Menu P2 > Setting time delays

Submenu	Description	Time delay values		
		Minimum	Maximum	General reset
P21  <b>Only applies to systems fitted with a bathroom switch.</b>	Delay timer for the bathroom switch (to switch to high position). □ 'x' minutes after operating the bathroom switch, the unit switches to the high setting.	0 Min.	15 Min.	0 Min.
P22  <b>Only applies to systems fitted with a bathroom switch.</b>	Overrun timer for the bathroom switch (to switch to normal position). □ 'x' minutes after operating the bathroom switch, the unit switches back to the normal setting.	0 Min.	120 Min.	30 Min.
P23  <b>Only applies to systems fitted with a CCB, or CCBL<sup>3</sup> switch.</b>	Overrun timer for ventilation position 3 (using a hardwired 3-position switch). □ If ventilation setting 3 (high) is switched on briefly (< 3 sec), the unit will switch to the high setting for 'x' minutes and then automatically returns to the normal setting.  If any switch is operated during this lagging time the unit will instantly revert to the ventilation position as set at that time.	0 Min.	120 Min.	0 Min.
P24	Filter warning □ 'x' weeks after cleaning or replacing the filters the "filter dirty" alert will reappear.	10 weeks	26 weeks	16 weeks
P25	n/a	1 Min.	20 Min.	10 Min.
P26	n/a	1 Min.	120 Min.	30 Min.
P27	n/a	0 Min.	120 Min.	30 Min.

### Menu P9 > Status of additional programmes

Submenu	Description	Status
		Activated
P90	Open fire programme active?	Yes (1) / No (0)
P91	Bypass open?	Yes (1) / No (0)
P94	n/a	Yes (1) / No (0)
P95	Frost protection or pre heater active?	Yes (1) / No (0)
P97	Enthalpy programme active?	Yes (1) / No (0)

<sup>3</sup> Not available on the ComfoAir 180.