

INSTALLATION INSTRUCTIONS

Touch Control



English



Installation instructions

Touch Control



Land: BE-ENG

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1 About this document

- ▶ Read this document before you begin working on the appliance.
- ▶ Follow the instructions in this document.

Failure to observe these instructions voids any warranty provided by the manufacturer Ubbink NV.

1.1 Scope of application of document

This document contains instructions for the factory-assembled and type-approved Touch Control.

1.2 Target group

This document is intended for technicians and the system users.

1.3 Other applicable documents

The documents for all accessory modules and other accessories also apply where relevant.

1.4 Safekeeping of these documents

Documents must be kept in a suitable location and must be available at all times.

The user is responsible for the safekeeping of all documents.

The documents are provided by the contractor.

1.5 Symbols

The following symbols are used in this document:






Symbol	Meaning
	An action which must be taken
	A necessary requirement
	The outcome of an action
	Important information regarding the proper use of the appliance
	A reference to other relevant documents

Table 1.1 Meaning of the symbols

* Table footnotes

1.6 Warnings

Warnings in the text warn you of possible risks before the start of an instruction. The warnings provide you with information on the possible severity of the risk using a pictogram and a keyword.

Symbole	Mention d'avertissement	Explication
	DANGER	This means that there is a risk of serious injury or loss of life.
	WARNING	This means that there is a potential risk of serious injury or loss of life.
	CAUTION	This means that there is a potential risk of minor to moderate injury.
	NOTE	This means that material damage may occur.

Table 1.2 Meaning of warnings

Layout of warnings

These warnings are laid out as follows:

KEYWORD



- Type and source of risk!
- Explanation of the risk.
- Action to prevent the risk.

2 Safety

- ▶ Work must be performed by a contractor.

2.1 Intended use

The Touch Control is used exclusively in connection with Ubbink NV heat recovery devices and Ubbink NV accessories. The Touch Control is used to control a ventilation system and to set specific parameters. Intended use also includes observing the operating instructions and all other applicable documents.



Important :

The touch fields will not work properly if your hands are wet or if you are wearing gloves.

2.2 Incorrect use

The appliance may be used by children aged 8 and older, by persons with impaired mental capacities, physical disabilities or insufficient knowledge and experience only if they are supervised or have received corresponding instructions on how to safely use the device and provided they are aware of the possible dangers. Children under 3 years must be kept away from the appliance unless they are constantly supervised. Children aged 3 to 7 may only switch the appliance on and off if they are supervised while doing so or have been clearly trained in the use of the device and have understood the resulting dangers, assuming that the appliance has been set up and installed in the normal operating position. Children aged 3 to 7 may not insert the plug into the socket or switch on the appliance; they also may not clean the appliance or perform any maintenance work that is normally performed by the user. Children must not play with the appliance.

2.3 Safety measures

Never remove, bypass or otherwise disable any safety or monitoring equipment. Only operate the system if it is in perfect technical condition. Any faults or damage that impact or might impact safety must be remedied immediately by a qualified contractor.

- ▶ Replace faulty parts with original Ubbink NV replacement parts.

3 Installation and electrical connection

The Touch Control must be fixed to the wall using the wall bracket. It can be placed directly on the wall or on a flush-mounting box.

3.1 Installation recommendations

- Install the Touch Control on an internal wall approximately 1.5 m above the floor.
- Keep the Touch Control out of direct sunlight and UV radiation.

3.2 Installing the wall bracket

The wall bracket is fitted to the wall or the flush-mounting box using the two included screws and dowels (hand-tight with a screwdriver).



Feed the cable through the entry point before installing the wall bracket.

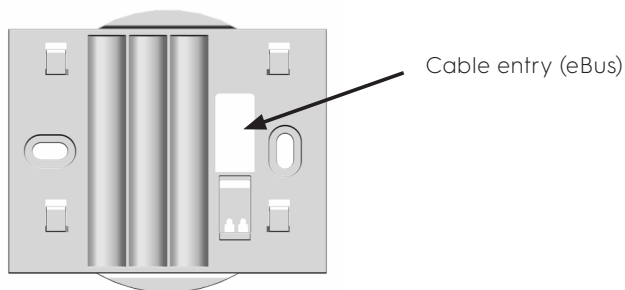


Fig. 3.1 Wall bracket

3.3 Electrical connection

Touch Control

In order for the Touch Control to be connected to the power, the eBus cable (2-pin) must be connected to the terminals of the wall mounted base. The polarity (+/-) must be observed. Cable diameter: 0.5...0.8 mm².

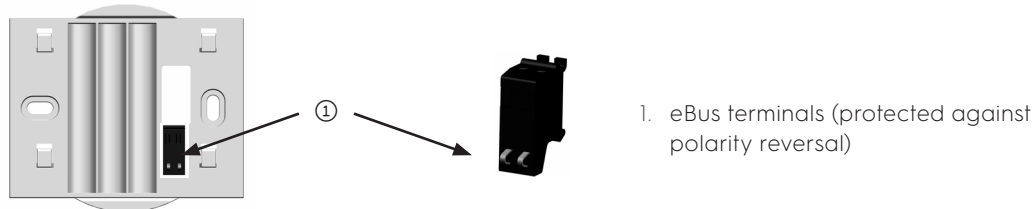


Fig. 3.2 Touch Control terminals (eBus)

- Push the terminals with a screwdriver to insert the cable

Once the electricity has been connected, the Touch Control can be placed on the four fixing hooks of the wall bracket ("put in place and pushed downwards").

3.4 Decommissioning and maintenance

3.4.1 Decommissioning

To decommission the Touch Control unit, follow the installation sequence in reverse order.

3.4.2 Maintenance and cleaning

The Touch Control is maintenance-free. Do not use a cleaning agent. Only wipe with a damp cloth.

3.5 Recycling and disposal



Do not dispose of as household waste!

- ▶ In accordance with the Waste Disposal Act, the following components must be disposed of or recycled in an environmentally compatible manner by means of appropriate collection points:

- Old appliance
- Wearing parts
- Defective components
- Electrical or electronic waste
- Environmentally hazardous liquids and oils

Environmentally compatible means separated by material groups to ensure the greatest possible recyclability of the base materials with the minimum environmental impact.

- ▶ Dispose of packaging made of cardboard, recyclable plastics and synthetic filler materials in an environmentally compatible manner through appropriate recycling systems or a recycling centre.
- ▶ Please observe the applicable national and local regulations.

4 Overview and symbols



Fig. 4.1 Touchpanel overview

4.1 Symbols in the display

The symbols displayed depend on the operating state.

Symbol	Explanation
	eBus connection
	Program selection: Time program
	Program selection: Standby
	Holiday mode (touch key)
	Fault or filter warning
	Program selection: Manual mode (ventilation)
	Cancel (touch key)
	Confirm (touch key)
	Parameter list menu (touch key)
	Program selection (touch key)
	Time program menu (touch key)
	Change status page or display/parameter values (touch keys)
	Decrease value/setpoint (touch key)
	Increase value/setpoint (touch key)
	Menu (touche tactile)
ON OFF	Indicates whether the temperature is set to increase (ON) or decrease or the unit switches to standby (OFF) at a specific time
	Clear switching time of the time program (touch key)
	Ventilation levels 0 to 3 Note: "4" means automatic operation, e.g. based on an overriding CO2 sensor!
A	Automatic ventilation

5 Commissioning

After the electrical connection and installation of the Touch Control, it starts automatically and begins with the system recording. If a compatible ventilation device is detected, the standard display appears automatically.

Note: If the Touch Control is to be used for another ventilation device at a later point in time, a reset must first be carried out!

6 General functions



6.1 Assignment of functions

Functions	Controller
Adjusting the ventilation level	x
Information about the status of the heating appliance	x
Configure parameter values	x
Fault display	x
Filter warning – ventilation unit	x
Daily or weekly time programs for ventilation	x
Current time	x
Setting the time	x
Holiday mode	x



Information about configuration options and operation is provided in the flowcharts in the Appendix (see Section 8).

6.2 Reset

- ▶ Hold down the / keys for at least 5 seconds. This will work even if the keys are not visible, but will not work if the button lock is active.
 - “rES” will be shown on the display for five seconds
 - Touch Control will then restart and reinitialise itself



All settings in the Touch Control are lost

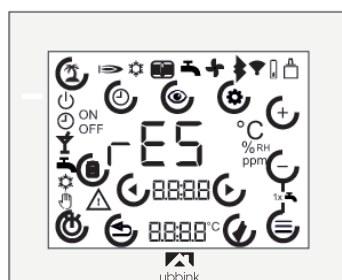


Fig. 6.1 Reset

6.3 Key lock

The display can be locked by pressing the \oplus/\ominus keys at the same time for at least five seconds. This will make it impossible to make any changes.

The program selection, holiday mode and menu symbols are hidden.

To unlock the display, either hold down the two \oplus/\ominus keys for at least five seconds or restart the Touch Control.

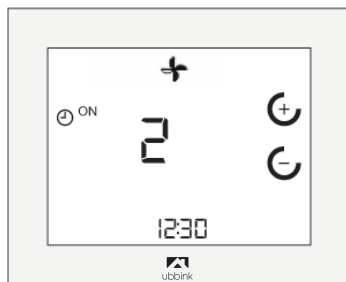


Fig. 6.2 Remove key lock

6.4 Energy saving mode and proximity sensor

6.4.1 Touch Control energy saving mode

The Touch Control will switch to energy saving mode if it has not been used in 5 minutes. The backlighting will be dimmed, and the display will only show the current air level along with the time.

To exit energy saving mode

- ▶ The Touch Control will detect anyone within approx. 5 cm.

6.5 Current time

In the standard display of the Touch Control, the set time is shown in the bottom 7-segment display.

6.6 Fault message / filter warning

6.6.1 Fault message page

If the Touch Control detects a fault in the eBus system, a separate fault message page will be displayed showing the fault code.

Press the / keys to return to the standard view.



The fault symbol is shown on the standard view, in addition to the arrow keys used for navigation. In the event of a blocking fault, level 4 and a flashing warning triangle are displayed.

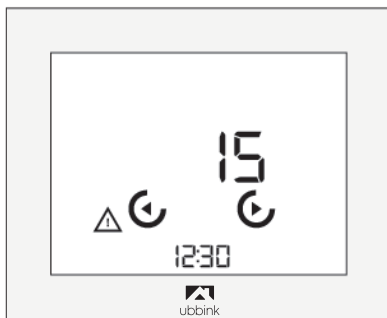


Fig. 6.3 Fault display




Flair: when the normally open / normally closed contact (plus board e.g. X08) is active, level 4 is displayed.



Fault messages cannot be acknowledged using the Touch Control!

6.6.2 Filter warning – ventilation unit

If a filter warning occurs, a separate warning symbol is displayed. This page will include the letters "FIL" and a blinking fault/warning symbol.

- ▶ To acknowledge the filter warning, press the  key.
- ▶ Press the / keys to switch to the standard view.



The fault/warning symbol will also flash on the standard view.

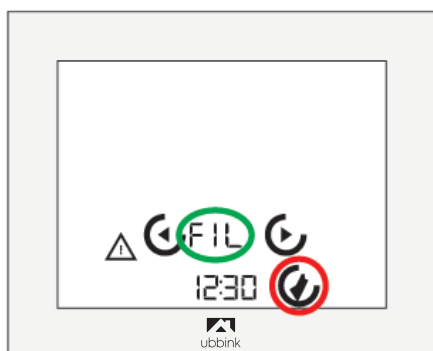






Fig. 6.4 Reset filter warning



7 Ventilation control unit functions

7.1 Ventilation level

- ▶  Press -keys in the standard ventilation display.
- ▶ Ventilation level flashes.
- ▶ The value can be changed with the  keys.
- ▶ Press the  key to confirm.
- ▶ Press the  key to cancel, or wait for one minute without operating the Touch Control.

7.2 Program selection - ventilation

- ▶  Press -key in the standard ventilation display.

Symbol	Function
	Automatic mode: Switch between reduced ventilation and nominal ventilation Example 1 (during time program): Nominal ventilation Example 2 (not during time program): Reduced ventilation
	Manual mode: Ventilation level remains in effect until it is changed manually



In automatic mode, manual changes to the ventilation level only apply until the next switching time!

7.3 Menu


- ▶  Press -key in the standard display.

7.3.1 Parameter list

Navigation as above.

Index	Meaning	Setting range	Factory setting
P 01	Time	00:00 – 23:59	00:00
P 02	Day of week	1 – 7 (Monday – Sunday))	1
P 03	Time program type	0 – 1 (0 = day program 1 = week program)	0
P 46	Bypass temperature (as with ventilation unit)		
P 64	Display brightness		3

7.3.2 Time program

- ▶ Press the  key.
- All other settings are shown in the images, see section 8.3
- General info about time programs.

Separate day or week programs (depending on parameter P 03) exist for ventilation:


- Ventilation: The program switches between the ventilation levels nominal ventilation - level 2 (ON) and reduced ventilation - level 1 (OFF).
- Nominal - level 2 (ON) and reduced ventilation - level 1 (OFF).


Up to three switching blocks (3 “ON” switching times and 3 “OFF” switching times) can be configured per day for each program:

Switching time Factory setting	Status	Time Ventilation
1	Start(ON)	6:00
1	End (OFF)	22:00
Switching time Setting	Status	Time Ventilation
1	Start (ON)	
1	End (OFF)	
2	Start (ON)	
2	End (OFF)	
3	Start (ON)	
3	End (OFF)	

Fig. 7.1 Switching times

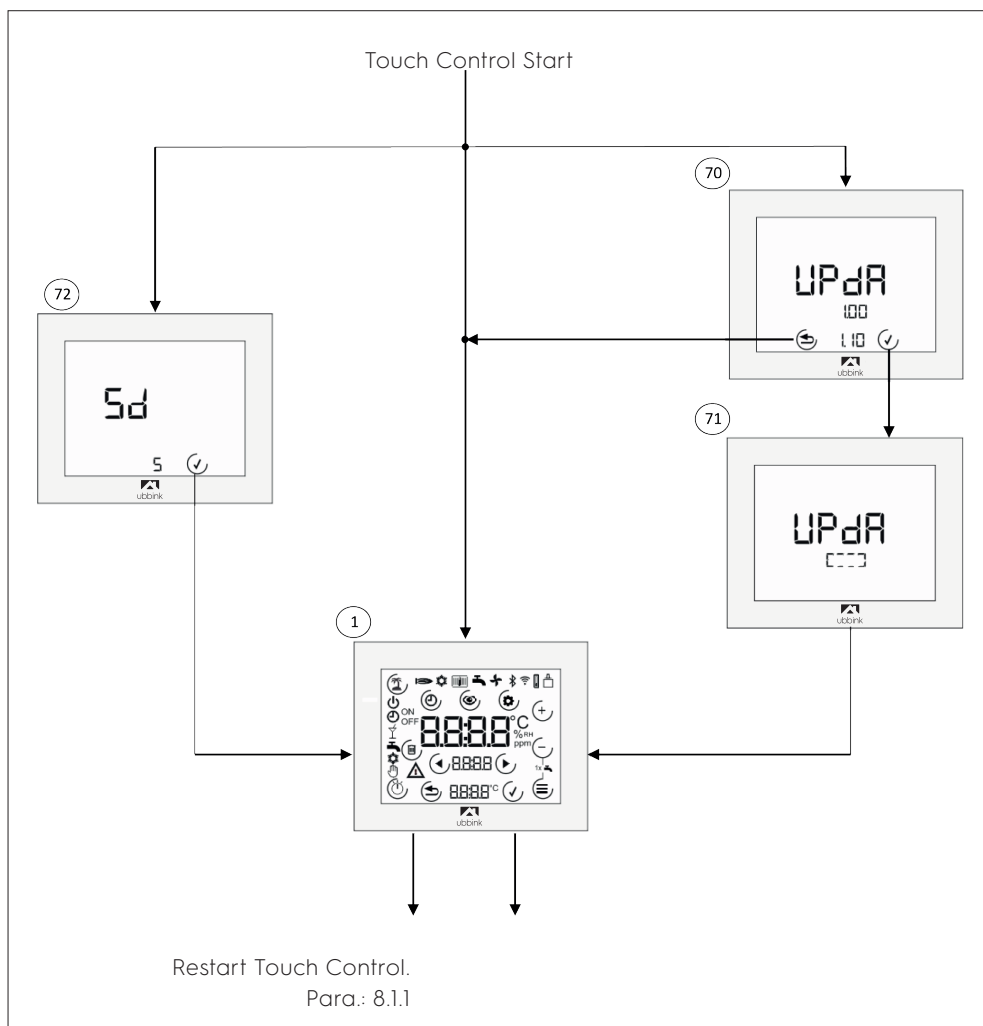
7.4 Holiday mode

- ▶  Press -key in the standard ventilation display.
- Settings as above.

Symbol	Function
	Holiday mode: Economy/reduced operation mode for a predefined period (15 min. to 99 days)

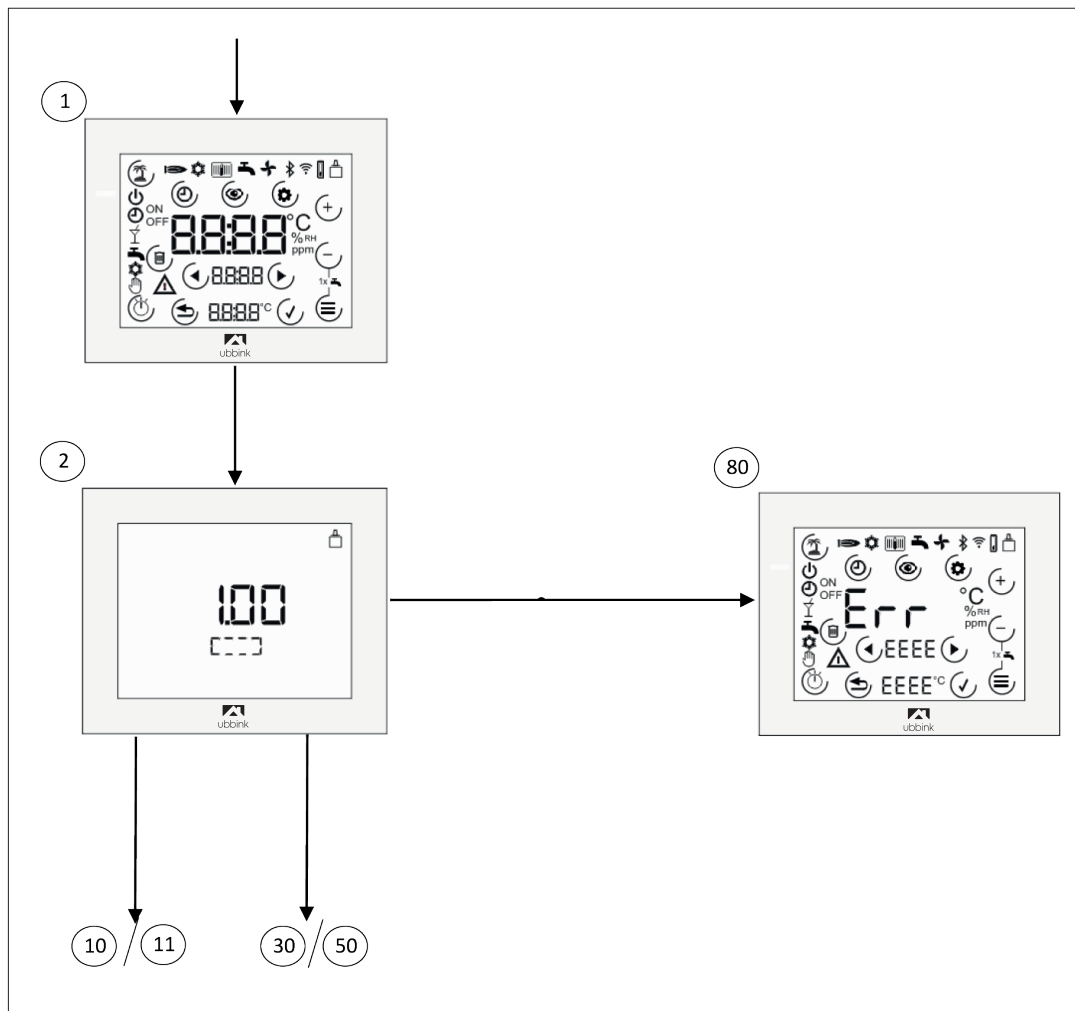
8 Appendix

8.1 Commissioning the Touch Control



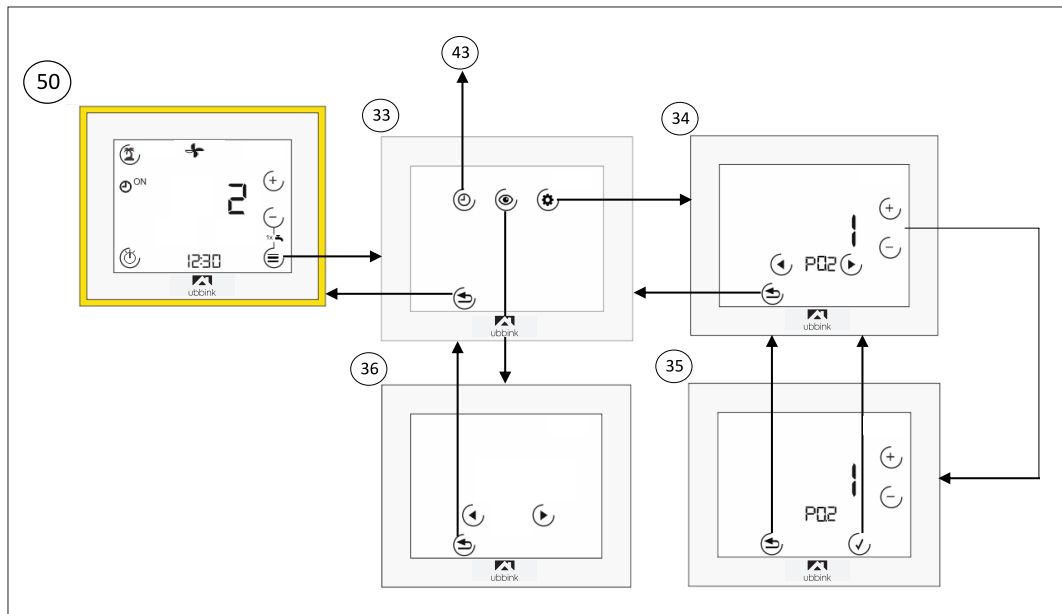
- ① **Startup screen.** Displayed if you turn on the Touch Control with no SD card installed or if there is no Touch Control firmware (FW) on the SD card. All symbols will be displayed for 2 seconds.
- ⑦① **Update Touch Control.** Appears when SD card is inserted and FW SD card > FW Touch Control. The current FW version will be displayed on the top. The new FW version will be displayed on the bottom. Press the ✓-key to apply the update or the ⏸-key to skip it.
- ⑦② **Perform update.** A moving rectangle will be displayed while the update is underway.
- ⑦③ **Forget SD card.** If the unit detects that the version of the FW on the SD card is earlier than the FW of the Touch Control after a restart, "Sd" will be displayed for 5 seconds. Use the ✓-key to skip this screen.

8.1.1 Restart Touch Control



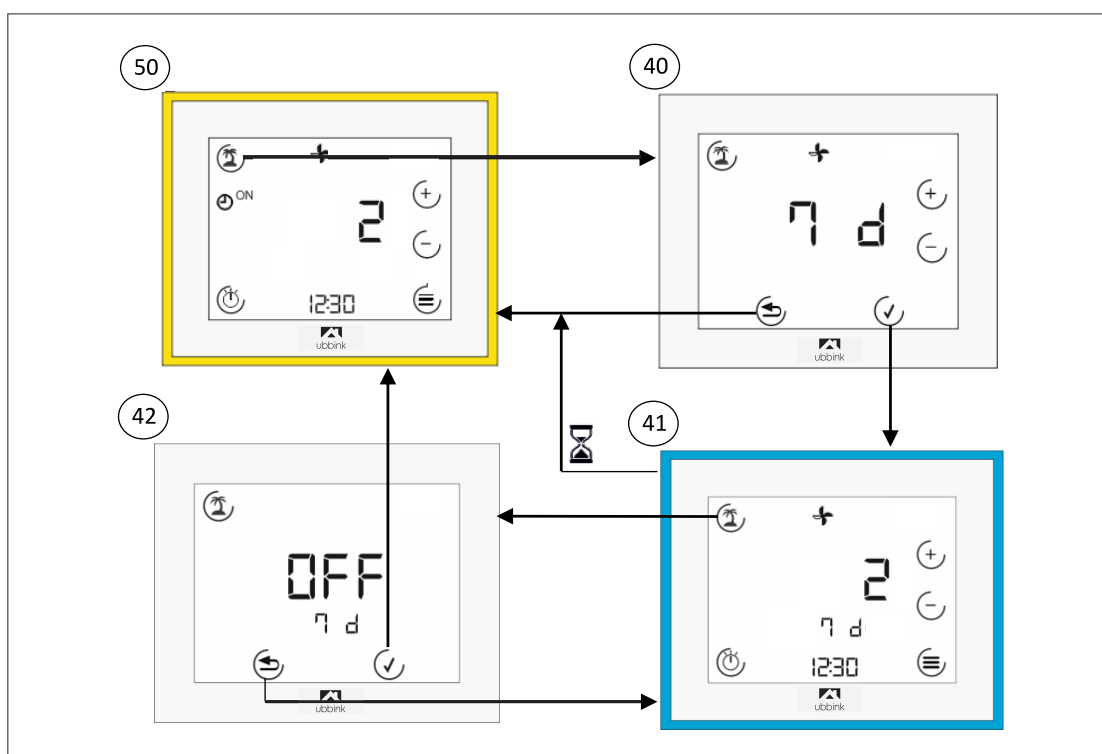
- ② **Initialising the ventilation system.** The Touch Control will establish the eBus connection and look for Ubbink NV components in the system. A moving rectangle will be displayed along with the current FW version while it is searching.
- ⑧⑩ **Fault message page.** Appears if no compatible Ubbink NV system is detected when the unit is turned on for the first time. It will also appear if the connected ventilation unit was not detected when using the unit as a controller.

8.1.2 Menu



- ③③ **Menu.** You can choose between parameter values and configure time programs in this menu.
- ③④ **Parameter values.** Use the arrow keys to switch between parameters. Use the \oplus/\ominus key to switch to edit mode.
- ③⑤ **Parameter edit mode.** Use the \oplus/\ominus keys to change the parameter. The value will flash. Use the \checkmark -key to apply the change or the \otimes -key to discard the change.

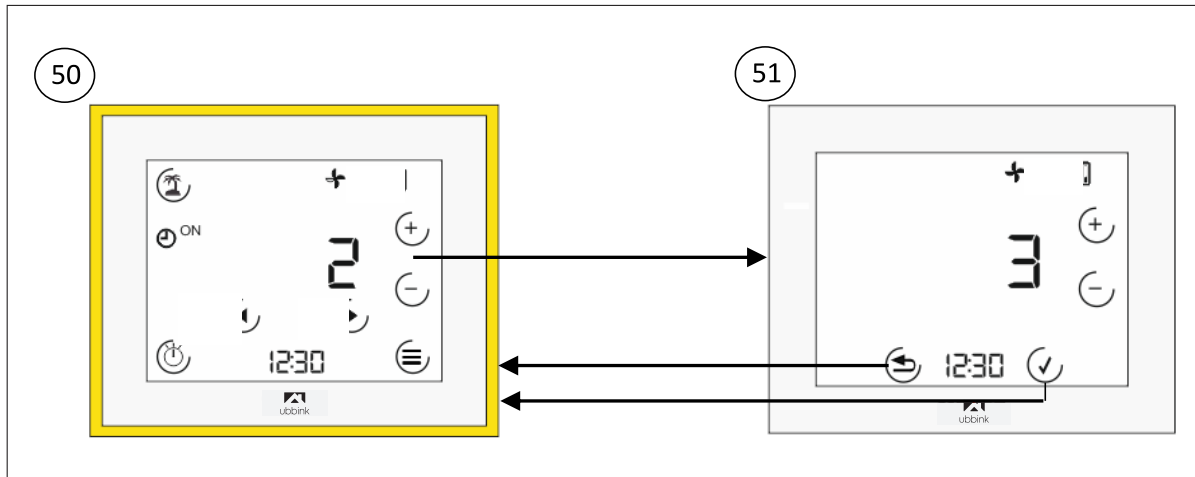
8.1.3 Holiday mode



- ④① **Holiday mode duration.** When you press the Holiday key, you need to set the duration of Holiday mode. You can do this using the \oplus/\ominus key. Use the \checkmark -key to confirm or the \otimes -key to cancel.
- ④① **Holiday mode active.** Same options as in the standard view. The remaining time is displayed under the room temperature. The Holiday symbol flashes when active. You can exit Holiday mode by pressing the Holiday button again. The unit will exit Holiday mode automatically after the specified time has passed.
- ④② **Exit Holiday mode.** You can exit Holiday mode by pressing the \checkmark -key again (OFF).

8.2 Step by step plan - controller

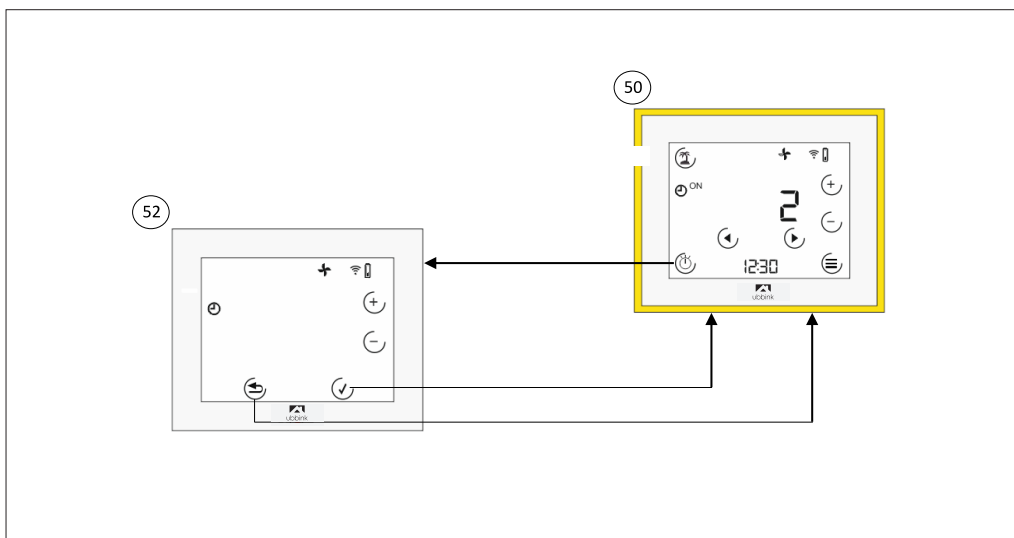
8.2.1 Adjusting the ventilation level



- ⑤① **Standard display - controller - ventilation.** This display includes the current ventilation level (number + symbol) and the program selection for the ventilation unit. A number of different sub-menus are available. Use the arrow keys to switch to the standard display (if connected) and/or the fault page (if a fault has occurred).

- ⑤② **Adjusting the ventilation level.** Use the \oplus/\ominus keys to adjust the ventilation level. The value will flash. Use the \checkmark -key to apply the change or the ↺ -key to discard the change.

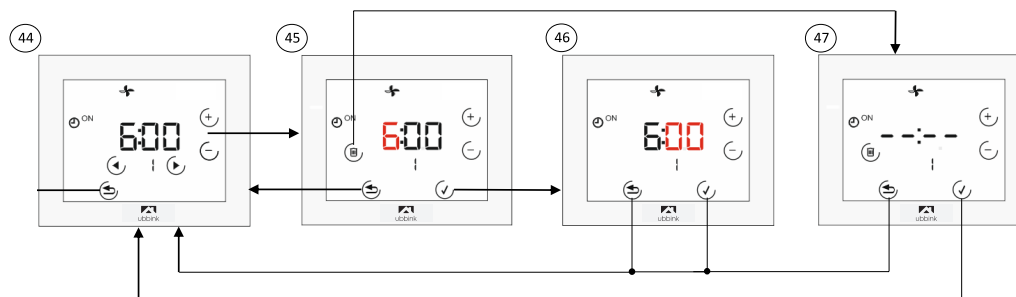
8.2.2 Program selection



- ⑤② **Program selection - ventilation.** The \oplus/\ominus key can be used to switch between the time program and manual mode (value flashes). Confirm the program with the \checkmark -key and discard it with the $\cancel{\text{key}}$ -key.

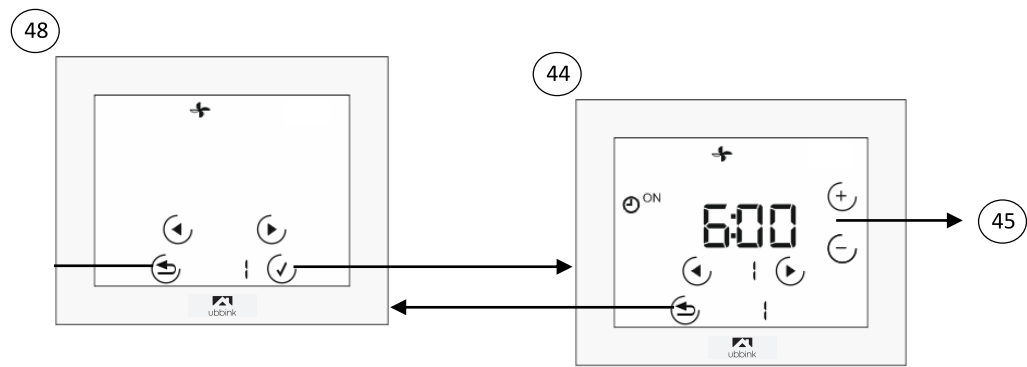
8.3 Step by step plan Time program (in controller operation only)

8.3.1 Day program



- ④④ **Set time program for one day.** Use the arrow keys to switch between switching times (1, ON; 1, OFF;...3, OFF). The currently selected switching time will flash. Use the + or - key to switch to edit mode for the hour. Use the waste bin symbol to delete the switching time (ON + OFF!).
- ④⑤ **Hour edit mode.** Use the \oplus/\ominus key to set the hour. The value will flash. Use the \checkmark -key to apply the change or the \otimes -key to discard the change.
- ④⑥ **Minutes edit mode.** Use the \oplus/\ominus key to set the minutes. The value will flash. Use the \checkmark -key to apply the change or the \otimes -key to discard the change.
- ④⑦ **Delete switching time.** Use the \checkmark -key to delete the displayed block or the \otimes -key to keep it.

8.3.2 Week program



- ④⑧ **Weekday selection menu.** (only available if P03 = 1). Use the arrow keys to select the weekday. The value will flash. The following applies: 1 = Monday..7 = Sunday. The next step is the same as for the day program. The only difference is that the weekday will be displayed on the bottom row.

8.4 Specifications

Description	Touch Control
IP rating	IP20
Protection class	III
Operating voltage	(eBus)
Ambient temperature in operation	0..60 °C
Storage temperature	-30..70 °C
Humidity during operation (non-condensing)	20..90% rel.
Max. current drawn	40 mA
Time switch power backup	48 h
Communication and power supply via 2-core cable	0,5..0,8 mm ²
Contamination level	2

9 EU Déclaration de conformity

(to ISO/CEI 17050-1)

Issued by: Ubbink NV

Address: Jan Samijnstraat 9
BE-9050, Gentbrugge, Belgium

Product: Touch Control

The product described above conforms to the requirements specified in the following documents:

Touch Control

- EN 60730-1:2016
- EN 60730-2-11:2008
- EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013+AC:2011
- EN 301489-1 V2.2.0
- EN 301489-3 V2.1.1
- EN 301489-17 V3.2.0
- EN 300328 V2.1.1

In accordance with the following directives:

- 2014/35/EU (Low Voltage Directive)
- 2014/53/EU (Radio Equipment Directive)
- 2011/65/EU (RoHS2 Directive)
- 2014/30/EU (EMC Directive)

this product is identified as follows:



Gentbrugge, 01-11-2022
B. Vanlede
General Director

A handwritten signature in blue ink, appearing to be 'B. Vanlede', written over a faint circular stamp.



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