# FRÄNKISCHE

Wireless remote control for profi-air® 180 / 300 sensor

Operating instructions
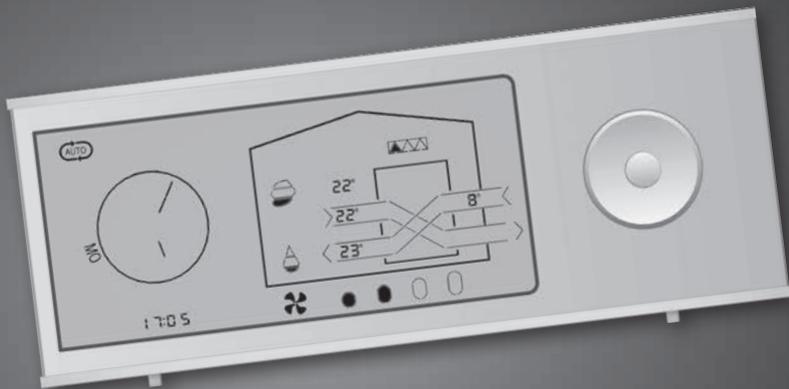
DRAINAGE SYSTEMS
ELECTRICAL SYSTEMS
BUILDING TECHNOLOGY
INDUSTRIAL PRODUCTS

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1 General

The wireless remote control has been developed specifically for demanding operators of profi-air 180 / 300 sensor ventilation units who emphasise innovative operation.

The remote control has a wireless connection to the control board of the ventilation unit. The range of this control unit inside a building (through walls and light ceiling structures) is up to 30 m.

1.1 Introduction

The operating instructions will help you to operate the wireless remote control ideally. We therefore recommend reading these operating instructions carefully. Keep these operating instructions during the entire live of the ventilation unit since they also serve as reference for service and maintenance work and thus guarantee smooth and efficient operation.

1.2 Safety

When used as intended, the device is safe and reliable to operate. Its construction and design are state of the art and comply with all the relevant DIN / VDE regulations and safety provisions. All safety regulations, warnings and notes of these operating instructions have to be observed; non-observance might result in personal injury or damage to profi-air 180 / 300 sensor.

⚠️ **Non-authorised changes or modifications of the wireless remote control are forbidden.**

1.3 Symbols used

⚠️ Risk of personal injury

❗ Risk of:
- damage to equipment
- errors while operating the device if the instructions are not followed
- other material damage

☞ Additional notes

📖 Reference to other sections and/or guidelines of the manufacturer.

🗑 Disposal instructions

1 General

1.4 Intended use

The wireless remote control must only be used to operate profi-air 180 / 300 sensor ventilation units and is only suited for domestic use inside closed and frost-protected rooms.

1.5 Transport and unpacking

Please handle the profi-air wireless remote control with utmost care during transport and unpacking.

1.6 Checking the scope of delivery

If the delivered wireless remote control has any damage or incompleteness, please get in touch with the supplier immediately.

The scope of delivery includes:

■ wireless remote control
■ 2 x batteries 1.5 V AAA
■ USB cable for optional power supply
■ operating instructions

1.7 Overview of functions

The wireless remote control features the following functions:

■ automatic demand control depending on relative humidity
■ manual operation
■ weekly autotimer according to stored weekly programs (P1 to P12)
■ holiday mode
■ night setback
■ temperature control – summer bypass (only with profi-air 300 sensor)
■ setting of the time interval for filter exchange

The following can be displayed on the remote control:

■ ventilation mode
■ fresh air, supply air, extract air and room temperature
■ humidity in the extract air channel
■ time left until filter replacement
■ error code and alarm signal

2 Layout of the wireless remote control

2.1 Front

Display   Navigation button

2.2 Back

Fastening points

Open battery compartment   Optional USB connection
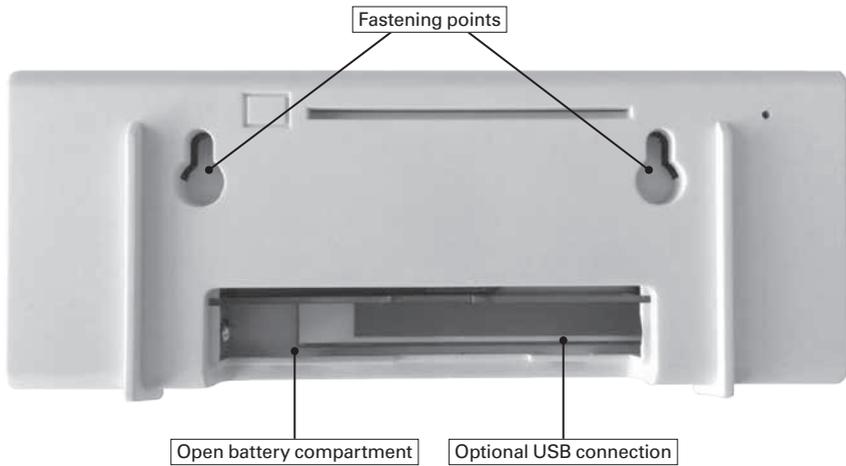
3 Putting the wireless remote control into operation

3.1 Synchronisation

The remote control and the ventilation unit must be synchronised in order to be able to communicate. This requires the following steps:

Step	Procedure
1	Interrupt power supply of the ventilation unit.
2	Open the battery compartment on the back of the remote control and insert the included batteries 2 x 1.5 V AAA).
3	If you want to establish permanent power supply, connect the included USB cable. The port for the mini USB connector is on the back of the wireless remote control under the battery cover.
4	Re-connect power supply of the ventilation unit. Within the next 60 seconds, the wireless remote control and the ventilation unit try to establish a connection, after which the unit's data is displayed on the display.

If synchronisation does not work at the first attempt (error code E13), either the distance to the control board of the ventilation unit is too big or the wireless remote control has been synchronised with another ventilation unit before. You must reset the wireless remote control in this case. Push and hold the "LEFT" button for approx. 10 seconds until all symbols on the display are flashing. The wireless remote control can now be synchronised again.

3.2 Multiple wireless remote controls

Up to five wireless remote controls can be connected to a ventilation unit. All connected wireless remote controls are equal, meaning that always the latest respective change is applied.

4 Display overview
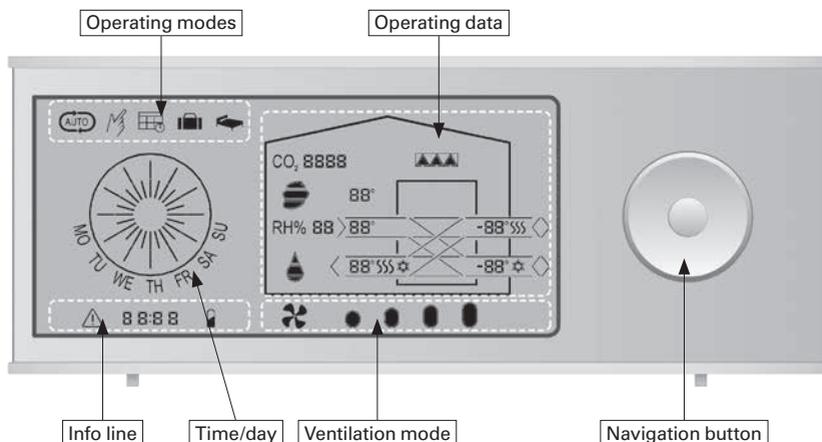
The following table provides a short description of the different symbols and buttons of the wireless remote control.

The wireless remote control features a power saving function which switches the display off between 11:00 pm and 07:00 am. You can activate the illumination by pushing any button.

Display fields	Function	
Operating mode	(AUTO)	Automatic mode / demand control
	⚡	Manual operation
	⊞	Weekly autotimer
	▮▮▮	Holiday mode
	←	Night setback
Time/day	Use the clock to set the weekly autotimer and night setback.	
Info line	⚠	Alarm (error code)
	8 8:8 8	Information on various functions or programs
	▯	Low battery status
Ventilation mode	The four oval fields display the ventilation mode. The more fields are filled, the higher the ventilation mode.	
Navigation button	Use this button to select individual menu items from the user menu and to increase or reduce target values.	
Operating data	The following information can be displayed: ■ filter replacement ■ room temperature ■ temperature of supply/extract air ■ fresh air temperature ■ relative extract air humidity ■ heat recovery / summer bypass	

5 Navigation button and keystroke combinations

The following table provides an overview of the functions of the navigation button and the keystroke combinations.

5.1 Navigation button

Button	Function
	Push the "CENTER" button to start the user menu, select a menu item or confirm a setting.
	Push the "LEFT" and "RIGHT" buttons to switch between the different menu items or to switch the ventilation mode into manual mode.
	Push the "UP" and "DOWN" buttons to switch between

5.2 Keystroke combinations

Button	Function
	Push and hold the "CENTER" button for approx. 3 seconds. Takes you back to the start page from any menu item.
	Push and hold the "DOWN" button for approx. 5 seconds. Activates/deactivates manual summer bypass (only with profi-air 300 sensor) for 6 hours.
	Push and hold the "RIGHT" button for approx. 10 seconds. Activates/deactivates the installation mode.
	Push and hold the "CENTER" and "UP" buttons for approx. 10 seconds. Resets all settings and target values to factory settings (only possible in activated installation mode).
	Push and hold the "LEFT" button for approx. 10 seconds. Resets the wireless remote control / ventilation unit synchronisation.

6 User menu

The user menu is used to control the profi-air 180 / 300 sensor ventilation unit. It provides possibilities to set, e.g. operating modes and visualise operating data, filter replacement and error codes.

The user menu is set up as follows:

Set AUTO program no. (A1)		Set weekly program no (P1-P12)	Set start time for night setback	Remaining filter life	Set time
			Set end time for night setback	Set filter replacement interval (90 - 360 days)	Set day
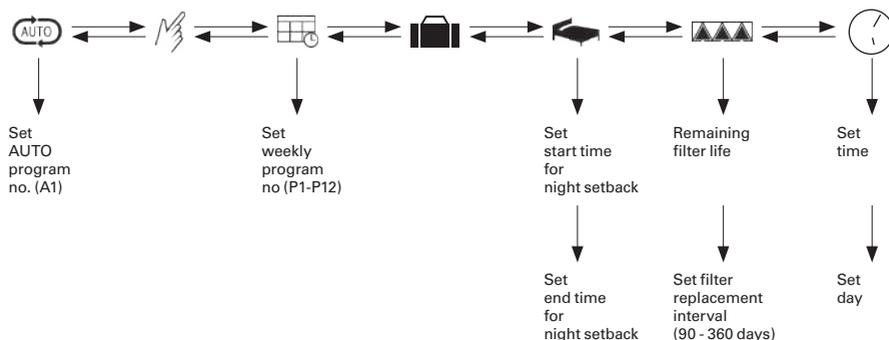
The following chapters describe the individual display fields.

6.1 "Operating modes" display field

Symbol	Description
	Automatic mode The automatic mode regulates the air volume flow rate of the ventilation unit depending on the humidity level in the building. A sensor in the extract air channel of the ventilation unit measures the humidity. Automatic mode is activated if the symbol is shown on the display. The set ventilation mode is also displayed there. ☞ **We generally recommend operating the ventilation unit in automatic mode since this ensures constant air exchange as required. The automatic mode additionally prevents the house from drying out especially during the winter.**
	Manual operation In manual operation the user must set the ventilation mode himself/herself if the required air exchange in the house changes.
	Weekly program The ventilation mode is controlled via the selected profile when a weekly program is activated. The profile can be changed as follows: **Step** **Description** 1 Start the user menu by pushing the "CENTER" button. 2 Select the weekly program menu item by pushing the "LEFT" or "RIGHT" buttons. 3 Push the "DOWN" button as soon as the weekly program symbol starts flashing. Now, the selected weekly program, e.g. P1, flashes in the info line. 4 Select the weekly program by pushing the "UP" or "DOWN" buttons. 5 Confirm this by pushing the "CENTER" button. 📖 **See Section 9 for a description of the different weekly programs.**

6 User menu

	Holiday mode The holiday mode can be activated for times when the building is not inhabited. The ventilation unit runs with minimum air exchange in holiday mode (i.e. 2/3 of the time in ventilation mode 1 and 1/3 of the time in ventilation mode 0). The function is deactivated by choosing another operating mode or after 28 days at the latest. **!** **Deactivate the function immediately after the building is inhabited again since otherwise this causes an increased risk of condensation in the pipes, or might lead to moisture damage in the building.**
	Night setback The ventilation unit runs in ventilation mode 1 with activated night setback. This function can be used together with automatic mode, manual operation and activated weekly program. You can set the period for the night setback as follows:

Step	Description
1	Start the user menu by pushing the "CENTER" button.
2	Select the night setback menu item by pushing the "LEFT" or "RIGHT" buttons.
3	Push the "DOWN" button as soon as the night setback symbol flashes. Now, the set start time, e.g. 11:00 pm, flashes in the info line.
4	Select the start time by pushing the "UP" or "DOWN" buttons.
5	Confirm this by pushing the "CENTER" button.
6	Now, the set end time, e.g. 07:00 am, flashes in the info line.
7	Select the end time by pushing the "UP" or "DOWN" buttons.
8	Confirm this by pushing the "CENTER" button.

	Time The time controls weekly programs and night setback. Set the time as follows:

Step	Description
1	Start the user menu by pushing the "CENTER" button.
2	Select the clock menu item by pushing the "LEFT" or "RIGHT" buttons.
3	Push the "DOWN" button as soon as the clock symbol starts flashing. Now, the set time, e.g. 05:00 pm, flashes in the info line.
4	Set by pushing the "UP" or "DOWN" buttons.
5	Confirm this by pushing the "CENTER" button.
6	Now, the set weekday flashes at the bottom edge of the clock. ■ MO – Monday ■ TU – Thursday ■ WE – Wednesday ■ TH – Thursday ■ FR – Friday ■ SA – Saturday ■ SU – Sunday
7	Select the weekday by pushing the "UP" or "DOWN" buttons.
8	Confirm this by pushing the "CENTER" button.

 For factory settings and setting options, see profi-air 180 / 300 sensor installation and operating instructions Section 5.

 For summer bypass, automatic mode and frost protection control strategies, see profi-air 180 / 300 sensor installation and operating instructions Section 6.

6 User menu

6.2 "Operating data" display field

The "operating data" display field displays different operating data depending on the system's current operating mode. The following table shows and explains the individual items.
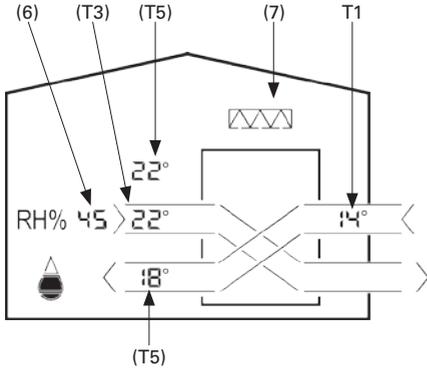
Heat recovery active
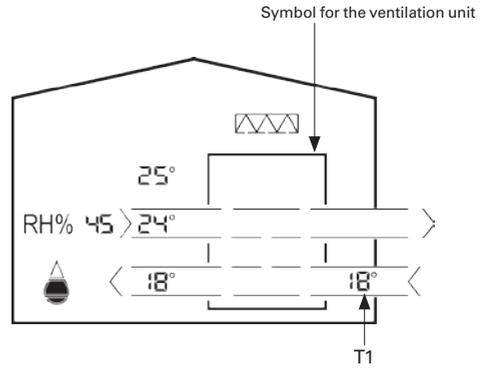
Summer bypass active (only with profi-air 300 sensor)

Symbol	Description
(T1)	Fresh air temperature / measured in the fresh air channel of the ventilation unit
(T2)	Supply air temperature / measured in the supply air channel of the ventilation unit
(T3)	Extract air temperature / measured in the extract air channel of the ventilation unit
(T5)	Room temperature / measured at the wireless remote control
(6) RH% 45	**Relative humidity** The drop symbol shows whether the humidity in the building is within the comfort zone. | Symbol	Relative humidity	Description | |---|---|---| | | < 24 % | very dry air | | | 25–34 % | dry air | | | 35–65 % | comfort zone | | | > 66 % | humid air | Relative humidity is displayed next to the drop symbol. ☞ **The automatic mode must be activated to control the air volume depending on the humidity.** 📖 **For automatic mode control strategies, see profi-air 180 / 300 sensor installation and operating instructions Section 6.**

(7)	Filter
▲▲▲	The triangles of the filter symbol show the remaining life of the filter. If all three triangles are displayed in black, the filter symbol flashes and the filter should be replaced.
	The filter alarm can be intermitted for 14 days by pushing any button on the wireless remote control.
	The factory setting for the filter replacement is 180 days. This setting can be extended or reduced depending on the degree of pollution of the filter.
	Proceed as follows to display the remaining filter life or to adapt the interval for filter replacement:

Step	Description
1	Start the user menu by pushing the "CENTER" button.
2	Select the filter menu item by pushing the "LEFT" or "RIGHT" buttons.
3	The remaining life of the filter is displayed in the info line as soon as the filter symbol flashes.
4	Push the "DOWN" button to display the filter interval in the info line.
5	Set by pushing the "UP" or "DOWN" buttons.
6	Confirm this by pushing the "CENTER" button.

📖 **For filter replacement instructions, see profi-air 180 / 300 sensor installation and operating instructions and/or the replacement filter instruction leaflet.**

6.3 "Info line" display field

The info line displays error messages, information on different settings of the ventilation unit and the battery status of the wireless remote control.

Symbol	Description
⚠	**Alarm** The alarm symbol means that there is a malfunction in the ventilation unit. The error code is displayed after the symbol. 📖 **See Section 8 for a list of error codes.** 📖 **For more troubleshooting information, see profi-air 180 / 300 sensor installation and operating instructions.**
8 8:8 8	Information regarding time setting, weekly programs, error codes, etc. is displayed here. **Display** — **Meaning** A1 — A1 automatic program is selected P1, P2 … — Weekly program number BYP6, BYP5 … — Manual summer bypass is activated, 6 h left, 5 h … DEF — Defrost function active E1, E2 … — Error code
🔋	Low battery status in the wireless remote control

6 User menu

6.4 "Ventilation mode" display field

This display field displays the current ventilation mode.

❅ ○ ○ ○ ○	**Mode 0** The device is switched off. This function may only be used in exceptional cases, e.g unpleasant odour from outside. After activating speed 0, this will be enabled for 4 hours and switched to speed 3 afterwards. **❗ If the system has been switched off over a longer period of time, this causes an increased risk of condensation in the pipes, and/or might lead to moisture damage in the building.**
❅ ● ○ ○ ○	**Mode 1 (protection against moisture)** The lowest fan speed protects the building from moisture during times of longer absence of the inhabitants (e.g. holidays). 50 % below the set fan speed in mode 3.
❅ ● ● ○ ○	**Mode 2 (reduced ventilation)** The low fan speed is used for reduced ventilation during times of absence of the inhabitants. 25 % below the set fan speed in mode 3.
❅ ● ● ● ○	**Mode 3 (rated ventilation)** The normal fan speed is used for rated operation of the ventilation unit when the inhabitants are present. Can be set between 46 % and 91 % of fan speed.
❅ ● ● ● ●	**Mode 4 (intensive ventilation)** The maximum fan speed is used for intensive ventilation (party mode). After activating speed 4, this will be enabled for 4 hours and switched to speed 3 afterwards. Can be set from ventilation mode 3 to 100 % of the fan speed.
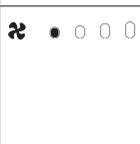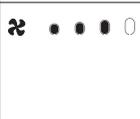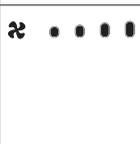
The fitter menu is used to commission the profi-air 180 / 300 sensor ventilation unit.

Push and hold the "RIGHT" button for 10 seconds to activate the fitter menu, the unit symbol starts flashing slowly and the control switches to ventilation mode 3. You can also access the fitter menu by pushing and holding the MANUAL and AUTO buttons at the control unit for 5 seconds.

The fitter menu remains active for 60 minutes or until you push the same combination of buttons for a restart.

! **Only experts and service technicians who have familiarised themselves comprehensively with the ventilation unit may use the fitter menu. Wrong settings may lead to device and/or building damage.**

For commissioning information, see profi-air 180 / 300 sensor installation and operating instructions Section 4.

The fitter menu is set up as follows:

8 8:8 8	(AUTO)	❋	⟩⟩⟩
SW Main PCB H___	Display AUTO program no.	Display fan gears / RPM (supply air)	Display summer bypass target value
SW control unit HCP 4 C___	Set AUTO program no. (A1...)	Display fan gears / RPM (extract air)	Summer bypass target value T_{min} (T1) set fresh air temperature
SW remote control HRC 2 F___	Set HR % target value (35–65)	Display OFF-Set between modes 1–2–3	Summer bypass target value T_{min} (T3) set fresh air temperature
		Set OFF-Set between modes 1–2–3 (10–30 gears/mode)	
		Set max. speed (up to 100)	

7 Fitter menu

7.1 SW menu item

The menu item displays the software versions of the different components in the info line.

Display	Description
H…	Software version of the mainboard in the ventilation unit
C…	Software version of the integrated control unit
F…	Software version of the wireless remote control

7.2 Automatic mode menu item

This menu item displays the automatic program and the target value for relative humidity.

Display	Description
Operating modes display field (AUTO)	The selected automatic program is displayed (only A1 available with profi-air 180 / 300 sensor) You can set the humidity target value as follows:
Info line display field **A1**	**Step** **Description** 1 Push and hold the "RIGHT" button for approx. 10 seconds to start the fitter menu. 2 Push the "CENTER" button to display the A1 automatic program. 3 Push the "CENTER" button to display the humidity target value (display flashes rapidly). 4 Set by pushing the "UP" or "DOWN" buttons. 5 Confirm this by pushing the "CENTER" button. 6 Push and hold the "RIGHT" button for approx. 10 seconds to end the fitter menu.
Operating data display field RH% 45	**!** **If a set target value is too low, this can compromise the well-being of the inhabitants and/or lead to certain materials in the building drying out.** **!** **If a set target value is too high, this can compromise the well-being of the inhabitants and/or lead to moisture damage in the building.**

7 Fitter menu

7.3 Fan menu item

The following is displayed and can be set under this menu item:

- display of the current potentiometer setting of the fans in mode 3
  (setting on the back of the integrated control unit)
- display of the current fan speed
- difference between ventilation modes 1 / 2 / 3 (OFSE)
- highest gear for the fan in mode 4

Display	Description
Ventilation mode display field (fan symbol)	Proceed as follows to display and/or set the different options:

Step	Description
	Info line display field **Current potentiometer setting** **Current fan speed**
1	Push and hold the "RIGHT" button for approx. 10 seconds to start the fitter menu.
2	Select the fan menu item by pushing the "RIGHT" button until the fan symbol starts flashing. If the fan symbol and the supply air channel are flashing, the info line displays the setting of the potentiometer and the fan speed of the supply air fan in turn.
3	Push the "DOWN" button to display the extract air fan. If the fan symbol and the extract air channel are flashing, the info line displays the setting of the potentiometer and the fan speed of the extract air fan in turn.
4	Push the "DOWN" button to display the difference between ventilation modes 1 / 2 / 3. The info line now displays "OFSE" and the offset value, e.g. "25" in turns. This means that 25 gears are set between the ventilation modes.
5	Push the "CENTER" button to set the offset value. The offset value starts flashing rapidly.
6	Push the "UP" and "DOWN" buttons to set the offset value. The higher the offset value, the slower the fans run in mode 1 / 2.
7	Push the "CENTER" button to set the maximum fan speed for mode 4. The info line now displays the current maximum fan speed for mode 4.
8	Push the "UP" and"DOWN" buttons to set the maximum fan speed for mode 4 and confirm by pushing the "CENTER" button.
9	Push and hold the "RIGHT" button for approx. 10 seconds to exit the fitter menu.

Operating data display field

Flashing supply air channel

Flashing extract air channel

7 Fitter menu

7.4 Summer bypass menu item (only with profi-air 300 sensor)

You can set the desired target temperatures for the summer bypass under this menu item:

(T3 / set bypass T_{max})   Symbol for the ventilation unit

(T1 / set bypass T_{min})
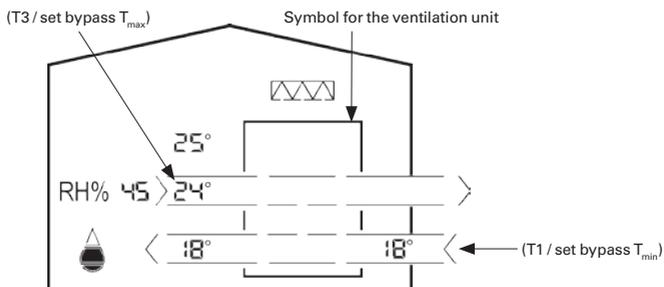
Summer bypass active (only with profi-air 300 sensor)

Step	Description
1	Push and hold the "RIGHT" button for approx. 10 seconds to start the fitter menu.
2	Select the summer bypass menu item by pushing the "RIGHT" button until the summer bypass is displayed as shown above. The ventilation unit symbol flashes. The displayed temperatures still equal the currently measured values.
3	Push the "CENTER" button to display the T1 / set bypass T_{min} and T3 / set bypass T_{max} target values.
4	Push the "CENTER" button to set the T1 / Set Bypass T_{min} target value. The T1 target value flashes and can be changed by pushing the "UP" and "DOWN" buttons (8 to 15 °C range). Confirm this by pushing the "CENTER" button again.
5	After confirming the last setting, the T3 target value flashes and can be changed by pushing the "UP" and "DOWN" buttons (22 to 30 °C range/"OF") The summer bypass is deactivated permanently if the target value is set to "OF". Confirm this by pushing the "CENTER" button again.
6	Push and hold the "RIGHT" button for approx. 10 seconds to exit the fitter menu.

> **For summer bypass control strategies, see profi-air 180 / 300 sensor installation and operating instructions Section 6.**

7 Fitter menu

7.5 Target values and setting ranges

The following table shows the target values and setting ranges which can be adapted using the wireless remote control.

Designation	Factory setting	min.	max.
Humidity automatic mode (RH %)	45 %	35 %	65 %
Summer bypass T_{min} Fresh air temperature (T1)	15 °C	8 °C	15 °C
Summer bypass T_{max} Extract air temperature (T3)	24 °C	22 °C / OF	30 °C
Fan OFFSET (gears between mode 1 / 2 / 3)	25 gears	10 gears	30 gears
Ventilation mode 4	gear 100	as mode 3	gear 100
Filter replacement interval	180 days	90 days	360 days

7.6 Reset to factory settings

You can reset the ventilation unit to factory settings in the fitter menu. Push and hold the "UP" and "CENTER" buttons at the same time for approx. 10 seconds until the entire display flashes.

8 Error codes

Code	Description
E1	Extract air fan
E2	Supply air fan
E3	Summer bypass flap
E4	Fresh air temperature sensor (T1)
E5	Supply air temperature sensor (T2)
E6	Extract air temperature sensor (T3)
E7	Exhaust air temperature sensor (T4)
E8	Room air temperature sensor (T5)
E9	Humidity sensor
E10	Fresh air temperature < –13 °C
E11	Supply air temperature < 5 °C
E12	Fire protection; one sensor measures a temperature > 70 °C
E13	Communication error

For more troubleshooting information, see profi-air 180 / 300 sensor installation and operating instructions.

9 Weekly programs

Weekly program P1

Time / mode	Monday – Friday																							
	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24
4																								
3	■	■	■	■	■	■	■	■	■	■						■	■	■	■	■	■	■		
2	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

Time / mode	Weekend																							
	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24
4																								
3								■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		
2	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

Weekly program P2

Time / mode	Monday – Friday																							
	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24
4																								
3							■	■	■	■						■	■	■	■	■	■	■		
2	■	■	■	■	■	■	■	■	■	■		■		■	■	■	■	■	■	■	■	■	■	■
1	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

Time / mode	Weekend																							
	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24
4																								
3								■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		
2	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

Weekly program P3

Time / mode	Monday – Friday																							
	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24
4																								
3							■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		
2	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

Time / mode	Weekend																							
	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24
4																								
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9 Weekly programs

Weekly program P4

Time / mode	Monday – Friday																							
	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24
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1	■	■	■	■	■						■	■	■	■	■									■

Time / mode	Weekend																							
	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24
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Weekly program P5

Time / mode	Monday – Friday																							
	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24
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Time / mode	Weekend																							
	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24
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Weekly program P6

Time / mode	Monday – Friday																							
	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24
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Time / mode	Weekend																							
	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24
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Weekly program P7

Monday – Friday

Time / mode	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24
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Weekend

Time / mode	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24
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Weekly program P8

Monday – Friday

Time / mode	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24
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2							■	■				■	■		■	■	■				■			
1	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

Weekend

Time / mode	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24
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Weekly program P9

Monday – Friday

Time / mode	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24
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Weekend

Time / mode	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24
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9 Weekly programs

Weekly program P10

Monday – Friday

Time / mode	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24
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Weekend

Time / mode	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24
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Weekly program P11

Monday – Friday

Time / mode	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24
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Weekend

Time / mode	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24
4																								
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Weekly program P12

Monday – Friday

Time / mode	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24
4																								
3								■	■	■	■	■	■	■	■	■	■	■						
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Weekend

Time / mode	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24
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FRÄNKISCHE

Rooted in Königsberg –
globally successful!

Our facilities in Europe:

Königsberg, Germany (headquarters)
Bückeburg, Germany
Schwarzheide, Germany
Okříšky, Czech Republic
St.-Leonards-on-Sea, Great Britain
Moscow, Russia
Yeles/Toledo, Spain
Torcy-le-Grand, France
Ebersbach/Fils, Germany
Hermsdorf, Germany
Mönchaltorf, Switzerland
Milan, Italy
Istanbul, Turkey
Cluj, Romania
Wels, Austria

Our facilities in Asia:

Anting/Shanghai, China
Hangzhou, China
Pune, India

Our facilities in Africa:

Ben Arous, Tunisia
Casablanca, Morocco

Our facilities in North America and Mexico:

Anderson, USA
Guanajuato, Mexico

FRÄNKISCHE is an innovative, growth-oriented, medium-sized family-owned enterprise and industry leader in the design, manufacturing and marketing of technically superior corrugated pipe systems for drainage, electrical, building technology and industrial applications.

We currently employ about 4,200 people worldwide. Both our many years of experience and expertise in plastics pro-cessing, our consulting services and the large array of products are highly valued by our customers.

FRÄNKISCHE is a third generation family owned business that was established in 1906 and is now run by Otto Kirchner. Today, we are globally represented with production facilities and sales offices. The proximity to our customers enables us to develop products and solutions that are perfectly tailored to our customers' needs. Our action and business philosophy focus on our customers and their needs and requirements for our products.

FRÄNKISCHE – Your partner for sophisticated and technologically advanced solutions.