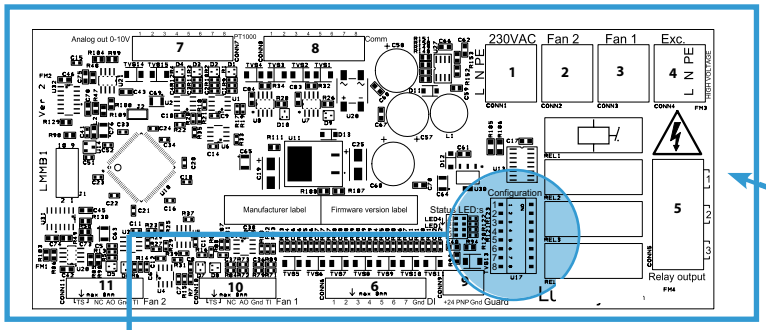
Danger

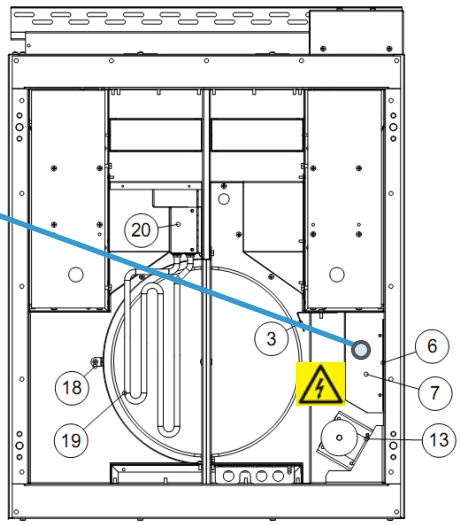
- Ensure that power is disconnected before maintenance and electrical work.
- Work with electrical connections and maintenance must be performed by qualified person and in accordance with applicable rules and regulations.

Quick guide FREE-V60 MiniWin

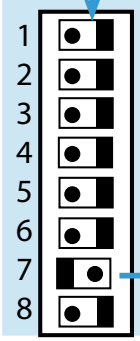
Here is a simplified description of how to set installation parameters Luftmiljö FREE-V60 - MiniWin
Prior to commissioning, it is important that you ensure that the unit is installed according to the manual supplied with the unit on delivery.

1. Disconnect power by pulling the plug, remove the inspection cover panel, and the cover of control board (7)
2. Enable installation mode by setting DIP switch 7 on the control board in right position
3. Remount the inspection cover panel
4. Connect the plug and the unit starts. Start Sequence 3 minutes - green LED on Comfort panel flashes . When green led shines you can begin.
5. Parameter 0 is toggled with the value 21 appears in the display - see parameter list below





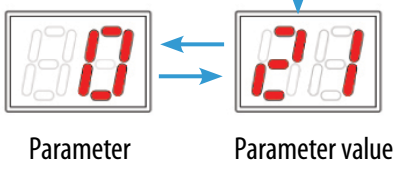
FREE-V60 MiniWin



DIP-Switch number	Function	Left position	Right position
1	Eletrical heater	No	Yes
2	Water heater	Not available MiniWin	
3	Cooling coil	Not available MiniWin	
4	Supply air fan	F2	F1
5	Service period	5 month	11 month
6	Parametersettings	Normal	Factory
7	Adjustment/Installation	Inaktiv	Aktiv
8	Factory testing		

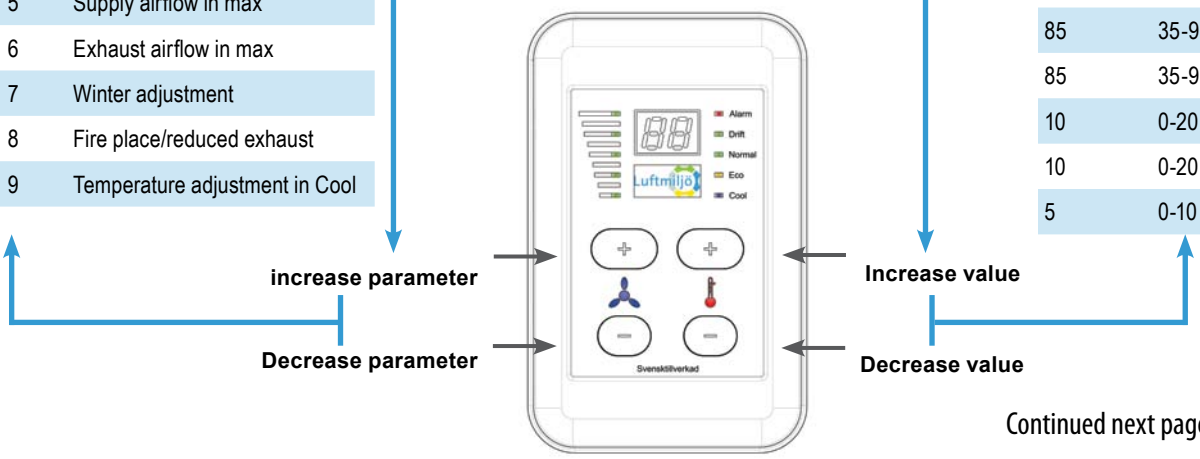
Parameter list

Parameter	Parameter function
0	Supply temperature
1	Supply airflow in normal
2	Exhaust airflow in normal
3	Supply airflow in min (away)
4	Exhaust airflow in min (away)
5	Supply airflow in max
6	Exhaust airflow in max
7	Winter adjustment
8	Fire place/reduced exhaust
9	Temperature adjustment in Cool



Parameter value

Preset	Adjust-ment
21	15-25
70	35-99
70	35-99
30	20-99
30	20-99
85	35-99
85	35-99
10	0-20
10	0-20
5	0-10



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Tips and recommendations

- Remember that adjustment of airflows always be performed with clean filters.
- Also ensure that the correct airflow direction is selected, see DIP switch 4 on the previous page.
- Changed air direction after the unit has been adjusted, the alignment redone.

When you change parameter between the unit's airflow modes (1-9), the controller follow simultaneously and adjusts the air flow, increase or decrease parameter value, directly affects the fan speed. This makes the unit very easy to adjust and set.
Alignment is easy if you first measure and set the total airflow in supply, and extract the tribes and then fine tunes room sections. Begin to review and, if necessary, open air devices in each room.

Always aim for low duct pressure, high pressure in the duct system creates unnecessary noise and increases energy consumption.

Parameter	Parameter function	Factory settings	Adjustable value	Recommendations
0	Supply airflow in normal	21	15-25	Down 0-2 in the desired room temperature
1	Exhaust airflow in normal	70	35-99	According project airflows
2	Supply airflow in min (away)	70	35-99	5-10% more airflow (volume) than the supply airflow in normal mode
3	Exhaust airflow in min (away)	30	20-99	At least 0.1 l / s / m ² living space (30% of supply airflow in normal mode)
4	Supply airflow in max	30	20-99	5-10% more airflow (l/s) than the supply air flow in away mode
5	Exhaust airflow in max	85	35-99	Max 90% of the exhaust air flow
6	Winter adjustment	85	35-99	5-10% more airflow (l/s) than the supply air flow in forced mode
7	Fire place/reduced exhaust	10	0-20	The exhaust flow rate shall be 10% greater than the supply airflow in normal mode
8	Temperature adjustment in Cool	10	0-20	The exhaust airflow is 10% less than the supply airflow in normal mode
9	Cool funktion	5	0-10	Lowers the supply air temperature at the set value: 21 minus 5 means 16 degrees

When you finish adjusting

1. Disconnect power by pulling the plug, this is important since it is now the set values stored in the processor.
2. Turning Back the DIP switch 7 to inactive mode (left position).
3. Replace the cover of the control board.
4. Remount the inspection panel and cover.
5. Connect the plug and the unit starts.
6. Startr sequense 3 mins - green LED flashes.
7. Done.

If something goes wrong during procedure

Alarm 1/2/3 Check the connectors on terminal board, that they are in place and properly secured.

Alarm 8 - Check the correct direction of airflow is selected, see DIP switch 4 on the previous page.

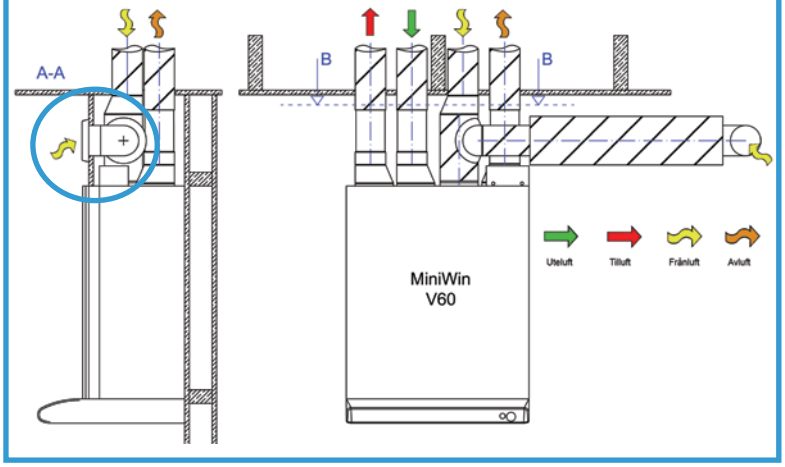
Alarm 8 - Is the air colder than +15 ° C stops the unit, warm up the room before adjusting resume.

Alarm 9 - The function of the additional heating is stopped, and the heat exchanger is running 100% of the adjustment level, if it is very cold outside, a hint may be to put the supply air sensor in the unit warm exhaust air during balancing.

How to mount the unit and more information, see the manual that came with the unit on delivery.

IMPORTANT

Note that the extraction of basic ventilation in kitchens must be performed with separate extraction. The air that goes through the hood energy is not recovered. Also make sure condensation insulation are properly done on outdoor and extract air ducts.



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