

Control unit a brief description

Comfort large area ventilation unit
CGL

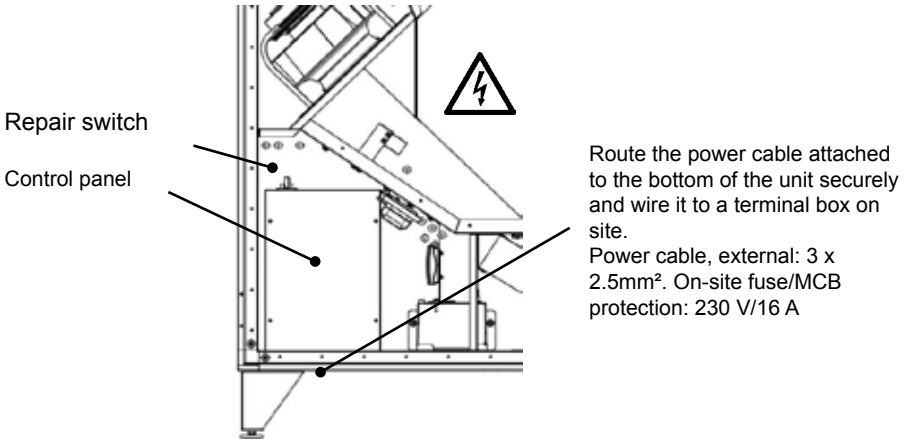


1. Commissioning

- According to DIN EN 50110-1, only qualified electricians may carry out the installation and commissioning of the ventilation control unit and connected accessories.
- Observe all regulations stipulated by your local power supply utility and all VDE or local regulations.
- DIN VDE 0100 Regulations regarding the installation of high voltage systems up to 1000 V
- DIN VDE 0105-100 Operation of electrical plants
- Only original Wolf accessories may be used (electric heater coils, condensate pump, servomotors, etc.), otherwise, the Wolf warranty will be void.

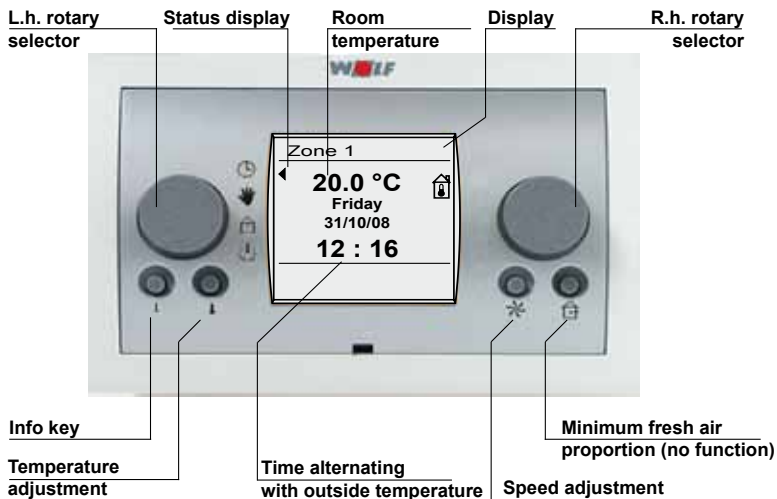
For Austria, the ÖVE regulations and local building regulations apply.

1.1. Connecting the power cable



1.2. Switching ON the ON/OFF switch on the control panel

1.3. Displays and controls on the BML



1.4. Setting the operating mode



L.h. rotary selector, program selection

This rotary selector enables the program to be selected. The rotary selector can be rotated infinitely and has no end stop. You will feel it click into each position as it rotates. The selected function is indicated by an arrow in the display.

Set the arrow to the clock symbol.

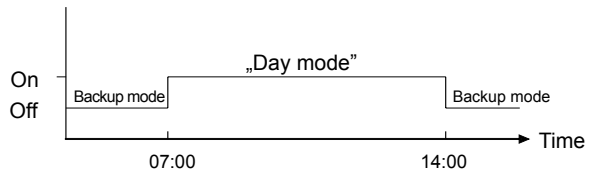


Automatic mode

Ventilation or air change according to a time program. Activation of HR, reheater and fan according to demand.

As shown in the diagram, you can preselect the operating mode via the time program when the system has been switched off.

This is explained in the section "**Automatic mode**" in the operating instructions.



Program for setback mode

Selection:

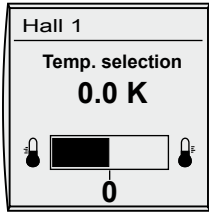
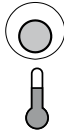
- Economy operation
- Backup mode (factory setting)
- Standby
- Summer ventilation



R.h. rotary selector

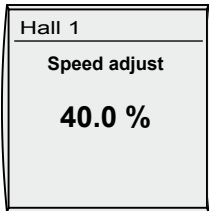
All programming is done using the right hand rotary selector. Turning the rotary selector enables you to select the required menu item.

Pressing the r.h. rotary selector confirms the programming step.

1.5. Temperature and speed adjustment**Temperature selection key****Please note:**

Pressing the key enables quick correction of the set room temperature (or the supply/extract air temperature). You can turn the r.h. rotary selector to raise or lower the required temperature by up to 4 K. The bar on the display moves to the left or the right depending on the direction the selector is turned. Press the r.h. rotary selector to confirm the modified value.

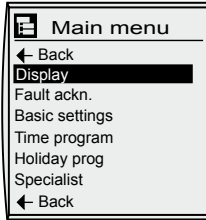
The day temperature is preset to 20 °C

**Speed adjustment key****Please note:**

Pressing this key displays the current speed. You can then turn the r.h. rotary selector to modify the speed to a value between 0 and 100 %, depending on the setting of parameters LM015/ LM016 (max./min. speed). Press the r.h. rotary selector to confirm the modified value.

The speed is preset to 40 %.

1.6 Control level overview



Pressing the r.h. rotary selector calls up control level 2, where you can select the menu levels shown in the overview by turning the rotary selector clockwise. After selecting the required parameter, you enter the submenu by pressing the r.h. rotary selector again.

Pressing the Info key takes you back to the standard display, irrespective of which submenu is currently displayed.

The system also returns to the standard display automatically when no adjustment is made for more than one minute.

Displays

All available set and actual temperatures, the operating mode and other system values can be displayed.

This is explained in the "**Displays**" section in the operating instructions.

Faults acknowledge

Acknowledgement (resetting) of faults that have occurred.

This is explained in the "**Fault messages**" section in the operating instructions.

Basic settings

Setting of the most important parameters in the ventilation system such as time, date, room temperature, night temperature, supply air minimum limit for heating, backup temperature, night setback, and night ventilation.

Setting options and explanations of the individual parameters are given in the "**Basic settings**" section in the operating instructions.

Time programs

Modification of the time programs for ventilation or air change operation.

Setting options and how to modify the individual time programs are explained in the "**Time programs**" section.

Holiday program

Five different holiday programs can be set. The holiday program takes precedence over the standard switching time.

Specialist

Setting of the HVAC contractor's parameters for the ventilation system.

Setting options and explanations of the individual parameters are given in the "**Specialist**" section in the operating instructions.

1.7. Setting languages, date and time

Language



Factory setting: German

Options: German
English
French
Dutch

Press the r.h. rotary selector to change to control level 2. Turn the r.h. rotary selector clockwise to select the "Basic settings" menu level and confirm the selection by pressing the r.h. rotary selector again.

Select the Language parameter by turning the rotary selector further clockwise, and confirm.

The language is changed and confirmed by turning the r.h. rotary selector.

You can cancel your input by pressing the fan key.

Date

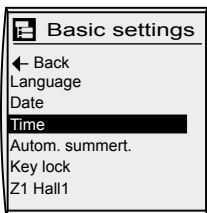


Next, set the date.

Follow the same procedure as when setting the language.

The date will be displayed automatically if a radio clock module is connected. However, the date cannot then be changed.

Time



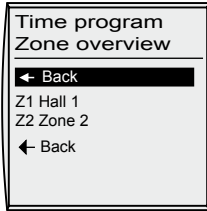
Next, set the time.

Follow the same procedure as when setting the language.

The time will be displayed automatically if a radio clock module is connected. However, the time cannot then be changed.

1.8. Setting a time program

Time program



Press the r.h. rotary selector to change to control level 2.

Turn the r.h. rotary selector clockwise to select the "Time program" menu level and confirm the selection by pressing the r.h. rotary selector again.

Select the zone for which you want to program the switching times and confirm by pressing the r.h. rotary selector.

Select the day for which you want to program the switching times and confirm your selection by pressing the r.h. rotary selector again.

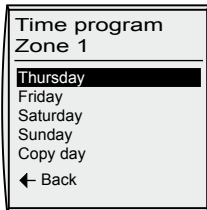
Turn the r.h. rotary selector to select the start time and then confirm your selection.

Turn to set the required switching time and then confirm your selection.

Follow the same procedure for the end time.

You can then turn the r.h. rotary selector further to program switching times 2-8 in the same way as described above.

When you have programmed all switching times for the selected day, you can exit the menu with "Back".



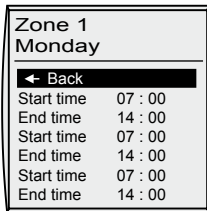
Turn the r.h. rotary selector further to select „Copy day" and confirm the selection by pressing the rotary selector again. The copy area is then called up automatically.

The source day of the week appears on the display.

Turn the r.h. rotary selector to select the day you programmed previously and then confirm your selection.

The target day of the week appears on the display.

Select the day or block of days to which you want to copy the switching times and then confirm.



Copy selection: Mo, Tu, We, Th, Fr, Sa, Su

Mo - Th

Mo - Fr

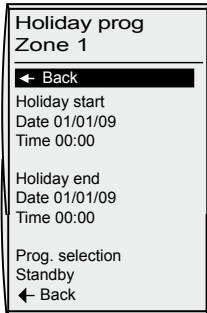
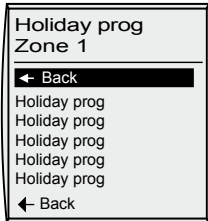
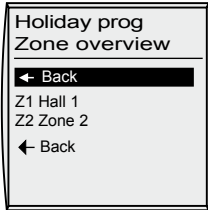
Sa - Su

If no switching time is entered, that means the system is switched off.

Each day of the week begins at 0:00 h and ends at 23:59 h.

Time program for zone 1 - factory setting

Zone 1	Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off
Time program	07:00	14:00	07:00	14:00	07:00	14:00	07:00	14:00	07:00	14:00	-	-	-	-

1.9. Holiday program

Press the r.h. rotary selector to change to control level 2.

Turn the r.h. rotary selector clockwise to select the "Holiday program" menu level and confirm the selection by pressing the r.h. rotary selector again.

Select the zone where you want to program the holiday times and confirm by pressing.

Select the holiday program for which you want to program the holiday times and confirm your selection by pressing the r.h. rotary selector again.

Turn the r.h. rotary selector to select the date for holiday start and then confirm your selection.

Turn to set the required date and then confirm your selection.

Follow the same procedure to set the time.

Then set the date and time for holiday end.

Next, under Program selection, select "Standby" and confirm your selection.

You can select from the following:

- Standby (factory setting)
- Backup mode
- Economy operation
- Day mode
- Summer ventilation

Follow the same procedure for holiday programs 2 to 5.

1.10. Brief description of function

The system now commences operation with the default values. The speed is adjusted between the set minimum and maximum speeds according to the CO₂ content of the air, as captured by the CO₂ sensor. If there is no CO₂ sensor connected, the speed is set to a fixed value (adjustable using the Speed key).

For all other settings, see operating instructions, Control unit - CGL (document no. 3063527)