



List of alarms and menus for **VEX200**



1. Operation

1.1 Using the DISPLAY panel

The display

The user interface is built up of menus shown on an LCD display (consisting of 2×16 characters).

Figure	Display text												
A	Menu number, the number of digits corresponds to the submenu level.												
B	Text												
C	Menu status field <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Menu status field displays</th> <th>Press operating switch ...</th> </tr> </thead> <tbody> <tr> <td></td> <td>No function</td> </tr> <tr> <td>></td> <td>Go to submenu ...</td> </tr> <tr> <td><</td> <td>Return to main menu</td> </tr> <tr> <td>*</td> <td>Editing possible</td> </tr> <tr> <td>value (flashes)</td> <td>Editing in progress</td> </tr> </tbody> </table>	Menu status field displays	Press operating switch ...		No function	>	Go to submenu ...	<	Return to main menu	*	Editing possible	value (flashes)	Editing in progress
Menu status field displays	Press operating switch ...												
	No function												
>	Go to submenu ...												
<	Return to main menu												
*	Editing possible												
value (flashes)	Editing in progress												
D	Value and unit, if any												

Editing

Editing is possible when the menu status field displays *:

1. Press the operating switch.
2. The value in the status field flashes – start editing.
3. Set the value by turning the operating switch:
 - turn the switch clockwise to increase the value,
 - turn the switch anti-clockwise to decrease the value.
4. Press the operating switch to save the value selected and conclude the editing process.

1.2 Operating modes

The operation of the air handling unit can be carried out in three modes, depending on the person operating the unit and on which settings are to be entered. The chart below illustrates the three modes.

Operating mode	Person	Operating options in the DISPLAY panel.
User mode	Users in the room – office personnel, for example.	Menus 1–3
Technician mode	Person responsible for operation of the unit.	The entire menu structure is visible, but the setting options are limited to the menus marked with an asterisk (*) in the menu overview and the DISPLAY panel.
Specialist mode	EXHAUSTO's service fitters / specially trained personnel.	The entire menu structure and all setting options are accessible.

1.3 Switch between user modes (user/technician/specialist)



When the automatic control system is exited, it must be left in user mode.

Switch to technician mode

Action ...	Menu displays ...
Go to menu 3.	3 10:43 Fri Comfort(AUT)
Press and hold in switch for approx. 5 sec. until code appears in the display.	Technician code 0000
Enter the four-digit code: 3142 . Turn the switch to select each figure and then press to confirm.	Technician code 3142
You are now operating in technician mode.	4 Mode >

Returning to user mode

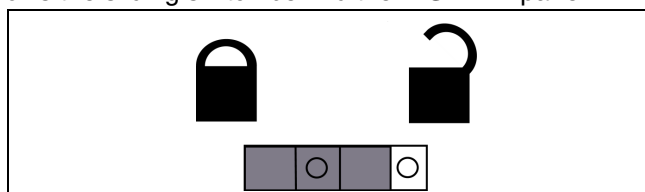
Action ...	Menu displays ...
Go to menu 4.	4 Mode >
Turn the switch to the left until the menu displays EXIT.	EXIT <
Press the switch.	
You are now operating in user mode.	3 10:43 Fri Comfort(AUT)

Switch to Specialist mode



In specialist mode you can set parameters that affect the fundamental set-up of the unit. Do not use this mode unless you have received sufficient instruction or training.

The drawing shows the sliding switch behind the DISPLAY panel:




Sliding switch

User and technician modes:

- Normal operation.

Sliding switch

Specialist mode:

- Set the sliding switch to position .
- The displays shows 9 Service >.
- The diode will now be yellow, indicating that specialist mode has been activated.

REMEMBER

... to return the sliding switch to its original position , before leaving the installation.


2. Alarm list

The following alarms and information messages can appear in the list of alarms:

If the number in menu 81 is ...		then it means ...						
alarm	info							
Motor error	A01	Extraction motor M1 overheated.						
	A02	Supply air motor M2 overheated.						
Sensor error	A08	Return air temperature sensor (TE11) defective.						
	A09	Return air temperature sensor (TE11) short-circuited.						
	A10	Extraction temperature sensor (TE12) defective.						
	A11	Extraction temperature sensor (TE12) short-circuited.						
	A12	Fresh air temperature sensor (TE21) defective.						
	A13	Fresh air temperature sensor (TE21) short-circuited.						
	A14	Supply air temperature sensor (TE22) defective.						
	A15	Supply air temperature sensor (TE22) short-circuited.						
	A16	Temperature sensor in return pipe from water heating coil (TE HCW) defective.						
	A17	Temperature sensor in return pipe from water heating coil (TE HCW) short-circuited.						
Heat recovery	A18	Temperature sensor in external pipeline from water heating coil (TS MVM) defective.						
	A19	Temperature sensor in external pipeline from water heating coil (TS-MVM) short-circuited.						
	A22	Internal rotor control error, overheating.						
	A23	Motor error, overload current or short-circuit.						
	A24	Rotor error, drive belt broken.						
	A25	Communication error with rotor control						
	A26	The A22, A23, A24 or A25 alarm has triggered and the temperature in the outside air duct is less than 3°C:						
		<table border="1"> <thead> <tr> <th>if...</th> <th>then...</th> </tr> </thead> <tbody> <tr> <td>an HCW2 or XCU module is not fitted</td> <td>the VEX continues to run even though there is a rotor alarm A22, A23, A24 or A25.</td> </tr> <tr> <td>an HCW2 and/or the XCU module is fitted</td> <td>the VEX cannot run with outside temperatures lower than 3°C and will stop and generate an A26 alarm.</td> </tr> </tbody> </table>	if...	then...	an HCW2 or XCU module is not fitted	the VEX continues to run even though there is a rotor alarm A22, A23, A24 or A25.	an HCW2 and/or the XCU module is fitted	the VEX cannot run with outside temperatures lower than 3°C and will stop and generate an A26 alarm.
	if...	then...						
	an HCW2 or XCU module is not fitted	the VEX continues to run even though there is a rotor alarm A22, A23, A24 or A25.						
an HCW2 and/or the XCU module is fitted	the VEX cannot run with outside temperatures lower than 3°C and will stop and generate an A26 alarm.							

	If the number in menu 81 is ...		then it means ...
	alarm	info	
External alarms	A30		Fire thermostat triggered.
	A41	i40	EON-bus unit(s) lacking.
EON bus communication error		i42	EON pressure measurement module lacking.
		i43	DISPLAY panel set to specialist mode connected.
Battery error			Timer backup battery exhausted.
		i50	Thermal cut-out (TSA 70) triggered.
Alarms, heating coil	A51		Thermal cut-out (TSA 90) triggered.
		i52	Frost protection (TE-HCW or TS-MVM) has triggered temporary stop.
	A53		Frost protection (TE-HCW or TS-MVM) has triggered an alarm.
	A54		Lack of air to electric heating coil
	A55		Lack of communication to HCW module.
	A56		Lack of communication to HCE module.
Alarms, airflow control		i60	Filter monitor for return air (PDS1) triggered.
		i61	Return air: Airflow lacking. $\pm 25\%$ deviation for more than 5 minutes will trigger an alarm.
		i62	Return air: Pressure lacking. $\pm 25\%$ deviation for more than 5 minutes will trigger an alarm.
		i65	Filter monitor for fresh air (PDS2) triggered.
		i66	Supply air: Airflow lacking. $\pm 25\%$ deviation for more than 5 minutes will trigger an alarm.
		i67	Supply air: Pressure lacking. $\pm 25\%$ deviation for more than 5 minutes will trigger an alarm.
			<ul style="list-style-type: none"> • Compressor overheated. • Incorrect order of the phases.
Alarms, cooling unit	A70		High-pressure cut-out.
	A71		Collective alarm (low-pressure cut-out, pressure gas temperature).
	A72		Airflow to cooling unit lacking.
	A75	i73	Lack of communication to CU module or XCU module.

3. Menu overview

Main menu	Submenu 1	Submenu 2	Submenu 3	DISPLAY panel menus – Function	Possible settings	Resolution	Factory setting	Setting altered on:
1 Airflow * Step 7				Setting the airflow to Comfort level (OFF, step 1...10).	OFF/Step 1...10, (can be limited in menu 513)		OFF	
2 Temperature * 20 °C				Setting the required room or supply air temperature.	See the section about "initial adjustment of temperature".		20 °C	
3 10:43 Fri. Comfort(AUT)				Top line: Time and day. Bottom line: The current interior climate level (OFF, Economy, Standby, Comfort), and an indication of whether this level has been selected manually (MAN) or automatically (AUT) by the clock. If an alarm has been triggered, or the system is operating irregularly, this will be stated in the next line.	-			
4 Mode >	40 EXIT <			Clock and weekly plan menu, and setting the overall form of operation.	-			
	41 Switch to * (AUT)			Selection of overall form of operation: Choose between a constant interior climate level or the interior climate level selected automatically (by the clock).	OFF (MAN) Economy (MAN) Standby (MAN) Comfort (MAN) (AUT)		Comfort (MAN)	
	42 Clock >	420 EXIT <		Clock menu	-			
		421 Date * 13 Aug. 1999		Setting the date, month and year.	Date/month/year.			
		422 Time * Fri. 03:55		Setting the day, hours and minutes.	Day/hours/minutes.			
		423 Weekly plan >		Setting the weekly plan, defining operating periods for different interior climate levels.	OFF Economy Standby Comfort		The clock is pre-programmed. See the guidelines in the section entitled "Setting the clock (menu 423)"	
	43 EDN TOUCH >	430 EXIT <		Time setting for TOUCH panel, selected with the timer function				
		431 Timer 0 --- min.		Desired cut-out delay for TOUCH panel 0. The value in brackets refers to the applicable time for the activated timer.	10 ... 600 min.	10 min.	10 min.	
		432 Timer 1 * 170 min (156)		Desired cut-out delay for TOUCH panel 1. The value in brackets refers to the applicable time for the activated timer.	10 ... 600 min.	10 min.	10 min.	

Main menu	Submenu 1	Submenu 2	Submenu 3	DISPLAY panel menus – Function	Possible settings	Resolution	Factory setting	Setting altered on:
	433 Timer 2 10 min. *			Desired cut-out delay for TOUCH panel 2. The value in brackets refers to the applicable time for the activated timer.	10 ... 600 min.	10 min.	10 min.	
	434 Timer 3 ---- min.			Desired cut-out delay for TOUCH panel 3. The value in brackets refers to the applicable time for the activated timer.	10 ... 600 min.	10 min.	10 min.	
	435 Timer 4 ---- min.			Desired cut-out delay for TOUCH panel 4. The value in brackets refers to the applicable time for the activated timer.	10 ... 600 min.	10 min.	10 min.	
	436 Timer 5 ---- min.			Desired cut-out delay for TOUCH panel 5. The value in brackets refers to the applicable time for the activated timer.	10 ... 600 min.	10 min.	10 min.	
	437 Timer 6 ---- min.			Desired cut-out delay for TOUCH panel 6. The value in brackets refers to the applicable time for the activated timer.	10 ... 600 min.	10 min.	10 min.	
	438 Timer 7 ---- min.			Desired cut-out delay for TOUCH panel 7. The value in brackets refers to the applicable time for the activated timer.	10 ... 600 min.	10 min.	10 min.	
5 Airflow *	50 EXIT <			Airflow menu.				
	51 Set points >	510 EXIT <						
		511 Step 1 25 % *		Setting the airflow for step 1. This setting is used for the Economy and Standby modes. The unit selected can be %, m ³ /h or Pa, depending on the control strategy, which is defined using menu 571. (Depending on choices made in menu 574).	Value in % – m ³ /h – l/s or Pa (Depending on choices made in menu 571).		25 % VEX240: 80 l/s VEX250: 140 l/s VEX260: 200 l/s VEX270: 200 l/s	Method 1 Method 2
		512 Step 10 90 % *		Setting the airflow for step 10. This setting is the maximum airflow setting for Comfort level. The unit selected can be %, m ³ /h or Pa, depending on the control strategy, which is defined using menu 571. (Depending on choices made in menu 574).	Value in % – m ³ /h – l/s or Pa (Depending on choices made in menu 571).		35 Pa 100 % VEX240: 650 l/s VEX250: 650 l/s VEX260: 650 l/s VEX270: 650 l/s	Methods 3–7 Method 1 Method 2
		513 Comfort User *		The settings in this menu affect the operating options in menu 1. If [User] is selected, the user can set the Comfort level airflow in menu 1. If [step 1...step 10] is selected, the Comfort setting is fixed.	User, steps 1...10		300 Pa User	Methods 3–7

Main menu	Submenu 1	Submenu 2	Submenu 3	DISPLAY panel menus – Function	Possible settings	Resolution	Factory setting	Setting altered on:
	514 Balance 1.0			Setting the balance between the supply and return air lines.	0.50... 2.00	0.01	1.00	Method 1, 2, 5, 6, 7
	52 Return air >520 EXIT <							
	521 Fan 76 %		5210 EXIT <	The current speed of the extraction fan. This value can be read irrespective of whether you are using manual control, and of whether control is based on airflow or pressure.		1 %		
			5211 Constant * 50 %	Setting the constant value for return air. This menu is only available if method 4 is selected in menu 571.	[Depending on the setting in menu 571] ... 100 %.	1 %	50 %	
			5220 EXIT <	The menu displays the volume of return air.				
			5221 Set point 471 l/s	This menu and its submenus are only available if method 2 was selected in menu 571. The menu displays the current setting for the control of the volume of return air. If necessary, the setting can be compensated for fresh air temperature, CO ₂ or humidity.				
			5222 Service >	The submenu displays the proportional amplification and integration action time for regulating the volume of return air.	K _p : 0.01... 0.25 %/(m ³ /h) T _i : 1 ... 25 s	0.01 % (m ³ /h) 1 s	K _p = 0.05 T _i = 15 s	
			5230 EXIT <	The menu shows the pressure in the return air duct (shown if an analogue module with address 0 is registered). The submenus can only be accessed if pressure control of the return air pressure is applied, i.e. if method 3, 5 or 7 has been selected in menu 571.				
			5231 Set point 396 Pa	The current setting for the control of the return air pressure. If necessary, the setting can be compensated for fresh air temperature, CO ₂ or humidity.		1 Pa		
			5232 Service >	The submenu displays the proportional amplification and integration action time for regulating the return air pressure.	K _p : 0.1 ... 2.5 %/Pa T _i : 1 ... 25 s	0.1 %/Pa 1 s	0.2 %/Pa 25 s	
	53 Supply air >530 EXIT <							
	531 Fan 76 %		5310 EXIT <	The current speed of the supply air fan. This value can be read irrespective of whether you are using manual control, and of whether control is based on airflow or pressure.		1 %		

Main menu	Submenu 1	Submenu 2	Submenu 3	DISPLAY panel menus – Function	Possible settings	Resolution	Factory setting	Setting altered on:
			5311 Constant * 50 %	Likewise, it is only possible to set a constant supply air value if method 3 was selected in menu 571.	[Depending on the setting in menu 571] ... 100 %.	1 %	50 %	
		532 Airflow > ----- 1/s	5320 EXIT <	The menu displays the supply airflow.				
			5321 Set point 530 1/s	This menu and its submenus are only available if method 2 was selected in menu 571. The menu displays the current setting for the control of the supply airflow. If necessary, the setting can be compensated for fresh air temperature, CO ₂ or humidity.				
			5322 Service >	The submenu displays the proportional amplification and integration action time for regulating the supply airflow.	K_p: 0.01 ... 0.25 %/ (m ³ /h) T_i: 1 ... 25 s	0.01 %/ (m ³ /h) 1 s	K_p = 0.05 T_i = 15 s	
			533 Pressure > 5330 EXIT <	The menu shows the pressure in the supply air duct (shown if an analogue module with address 1 is registered). The submenus can only be accessed if pressure control of the supply air pressure is applied, i.e. if method 4, 6 or 7 has been selected in menu 571.		1 Pa		
			5331 Set point 100 Pa	The current setting for the control of the supply air pressure.		1 Pa		
			5332 Service >	If necessary, the setting can be compensated for fresh air temperature, CO ₂ or humidity.				
				The submenu displays the proportional amplification and integration action time for regulating the supply air pressure.	K_p: 0.1 ... 2.5 %/Pa T_i: 1 ... 25 s	0.1 %/Pa 1 s	0.2 %/Pa 25 s	
	54 Fresh air compensation > 27.1 °C	540 EXIT <		Compensation (reduction) of airflow if the fresh air temperature falls. The menu displays the fresh air temperature.		0.1 °C		
		541 Activation * No		Activation of fresh air temperature compensation.	Yes/No		No	
		542 T_LO * -10 °C		The low set point for fresh air temperature compensation.	-20 ... 0 °C	1 °C	-10 °C	
		543 T_HI * 10 °C		The high set point for fresh air temperature compensation.	5 ... 20 °C	1 °C	10 °C	
	55 CO ₂ > 1200 ppm	550 EXIT <		If an analogue module with address 2 is registered, the current CO ₂ concentration will be displayed in ppm, and the CO ₂ compensation submenu will be accessible.		10 ppm		

Main menu	Submenu 1	Submenu 2	Submenu 3	DISPLAY panel menus – Function	Possible settings	Resolution	Factory setting	Setting altered on:
		551 CO2_LO # 800 ppm		The low set point for CO ₂ compensation.	0 ... 1900 ppm	100 ppm	800 ppm	
		552 CO2_HI # 1200 ppm		The high set point for CO ₂ compensation.	100 ... 2000 ppm	100 ppm	1200 ppm	
	56 RH ----- % > EXIT <	560 RH ----- % > EXIT <		If an analogue module with address 3 is registered, the current humidity level will be displayed in RH, and the RH compensation submenus will be accessible.		1 %		
		561 RH_LO # 60 %		The low set point for humidity compensation.	20 ... 85 %	1 %	60 %	
		562 RH_HI # 80 %		The high set point for humidity compensation.	30 ... 95 %	1 %	80 %	
	57 Service > EXIT <	570 Service > EXIT <						
		571 Method 1		Setting the required airflow control method. The following methods can be selected: 1. Manual control. 2. Airflow control. 3. Constant pressure-controlled return air with set supply air. 4. Constant pressure-controlled supply air with set return air. 5. Constant pressure-controlled return air with slave-controlled supply air. 6. Constant pressure-controlled supply air with slave-controlled return air. 7. Constant pressure control of both return and supply air.	1 ... 7		1	
		572 Flow unit l/s		Selection of airflow unit. The selection of the unit does not influence the unit used for the proportional amplification of the airflow control.	m ³ /h, l/s		m ³ /h	
		573 AFC Alarm No		Activation of airflow alarm.	Yes, No		No AFC (Factory fitted): Yes	
		574 MOTOR_1_MIN 25 %		Minimum motor speed for return air.	10 ... 100 %	1 %	25 %	
		575 MOTOR_2_MIN 25 %		Minimum motor speed for supply air.	10 ... 100 %	1 %	25 %	
6 Temperature > 60 EXIT <								
	61 Heating 0 %			Control signal for heating surface.		1 %		

Main menu	Submenu 1	Submenu 2	Submenu 3	DISPLAY panel menus – Function	Possible settings	Resolution	Factory setting	Setting altered on:
	62 Recovery 100 %			Control signal for recovery.		1 %		
	63 Cooling 47 %			Control signal for cooling surface, if fitted.		1 %		
	64 Asp. temp > 15.0 °C	640 EXIT <		Supply air temperature. Access is also granted to the supply air temperature submenu.		0.1 °C		
		641 Set point 16.0 °C		Setting for the supply air temperature regulator, (The output of the room regulator, if room control has been selected).		0.1 °C		
		642 Fresh air compensation >	6420 EXIT <	If room-temperature control is not selected (menu 681), this menu provides access to the submenus for fresh air temperature compensation of the supply air temperature.				
			6421 START_LO * - 10 °C	The low limit for compensation.	-20 ... 0 °C	1 °C	-10 °C	
			6422 COMP_LO * 0.0 °C/°C	Degree of compensation at low temperatures.	0.0 ... 1.0 °C/°C	0.1 °C/°C	0.0 °C/°C	
			6423 START_HI * 10 °C	The high limit for compensation.	5 ... 20 °C	1 °C	10 °C	
			6424 COMP_HI * 0.0 °C/°C	Degree of compensation at high temperatures.	0.0 ... -1.0 °C/°C	0.1 °C/°C	0.0 °C/°C	
		643 MIN 15 °C *		Setting the lowest permissible supply air temperature for fresh air compensation and room temperature control.	10 ... 20 °C	1 °C	15 °C	
		644 MAX 40 °C *		Setting the highest permissible supply air temperature for fresh air compensation and room temperature control.	30 ... 40 °C	1 °C	40 °C	
		645 MAX Δt 10 °C *		Setting the maximum amount – in °C – that the supply air temperature may be below the room temperature.	2 ... 15 °C	1 °C	10 °C	
		646 Air red. >	6460 EXIT <	Air reduction. Access is granted to the submenu for setting the air reduction function.				
			6461 Enable * Yes	Activation of the air reduction function.	Yes/No		No	
			6462 Start * 18 °C	Setting the start temperature for air reduction	10...20°C	1°C	18°C	
		647 Service >	6470 EXIT <					
			6471 K_P 2.0 %/ °C	Setting the proportional amplification for the supply air temperature regulator.	0.5 ... 10.0 %/°C	0.1 %/°C	2.0 %/°C	

Main menu	Submenu 1	Submenu 2	Submenu 3	DISPLAY panel menus – Function	Possible settings	Resolution	Factory setting	Setting altered on:
	65 Room temp. > 27.8 °C	650 EXIT <	6472 T_i 180 s	The integration action time for control of the supply air temperature.	1 ... 250 s	1 s	120 s	
		651 Set point 25.5 °C		The current room temperature. If room temperature control has been selected (menu 691), you can also access the submenus that deal with this.		0.1 °C		
		652 Summer compensation >	6520 EXIT <	The current setting of the room temperature control.		0.1 °C		
			6521 START *	Summer temperature compensation.				
			6522 Comp *	Compensation limit.	20 ... 35 °C	1 °C	25 °C	
			653 Service > 6530 EXIT <	Degree of compensation.	0.0 ... 1.0 °C/°C	0.1 °C	0.0 °C/°C	
			6531 K_P 3.0 °C/°C					
			6532 T_i 750 s	Setting the proportional amplification for the room temperature regulator.	0.5 ... 10.0 °C/°C	0.1 °C/°C	3.0 °C/°C	
	66 Delta T >	660 EXIT <		The integration action time for control of the room temperature.	60 ... 2550 sec.	10 sec.	900 sec.	
		661 Delta T * -2.0 °C		Delta T control. If room Delta T control has been selected (menu 691), you can also access the submenus that deal with this.				
		662 Comp * -1.0 °C/°C		Setting the difference between the measured room temperature and the supply air temperature required.	-5.0...5.0°C	0.1 °C	-2,0°C	
		663 Stop * 15 °C		Setting the degree of compensation when the room temperature exceeds the set point required.	-5.0...5.0°C	0.1 °C	-1,0°C	
	67 Comfort limit >	670 EXIT <		Stop temperature for compensation.	Menu 643 ... Menu 644	1 °C	15°C	
		671 ΔT_COMFORT * 1.0 °C		Setting the Comfort level temperature limits.				
				Setting the permissible temperature deviation at Comfort level.	0.5 °C ... [setting in menu 672]	0.1 °C	1.0 °C	

Main menu	Submenu 1	Submenu 2	Submenu 3	DISPLAY panel menus – Function	Possible settings	Resolution	Factory setting	Setting altered on:
		672 ΔT_STANDBY * 3.0 °C		Setting the permissible temperature deviation at Standby level.	Setting in menu 671 ... min [menu 673 – SET POINT, SET POINT – menu 674]	0.1 °C	3.0 °C	
		673 T_COOL_ECO * 28 °C		Setting the cooling limit for Economy level.	[SET POINT + menu 672] ... 40 °C	1 °C	28 °C	
		674 T_HEAT_ECO * 16 °C		Setting the heating limit for Economy level.	10 °C ... [SET POINT – menu 672]	1 °C	16 °C	
	68 Night-time cooling >	680 EXIT <		This menu provides access to the setting of the night-time cooling function.				
		681 Operate at		Time for the last start of night-time cooling.				
		682 Running time 0 min.		Reading showing how long night-time operation has been active during this 24-hour period.		1 min.		
		683 Activation * No		Activation of night-time cooling function.	Yes/No		No	
		684 Fresh air temperature 27.7 °C		Reading the current fresh air temperature.		0.1 °C		
		685 Min. temp. * 15 °C		Minimum fresh air temperature for night-time cooling.	5 ... 15 °C	1 °C	15 °C	
		686 START 0:00		Start time for night-time cooling.	0:00 ... 9:00	1:00	0:00	
	69 Service >	690 EXIT <						
		691 Temp. Ctrl. * Supply		Selection of temperature control.	Supply/Room/Delta T		Supply	
		692 TE 12 27.2 °C		Reading the current exhaust air temperature.		0.1 °C		
7 Safety functions >	70 EXIT <							
		71 Frost protection >	710 EXIT <					
		711 TE HCW 50.0 °C		Temperature sensor in return pipe from water heating coil (internal).		0.1 °C		
		712 TS MUM 50.0 °C		Temperature sensor in external pipeline from water heating coil.		0.1 °C		

Main menu	Submenu 1	Submenu 2	Submenu 3	DISPLAY panel menus – Function	Possible settings	Resolution	Factory setting	Setting altered on:
		713 Stop limit* 13 °C		Temperature for cut-out of the unit due to frost protection of water heating coil.	5 ... 20 °C	1 °C	13 °C	
		714 Re-connect # 5x		Number of automatic restart attempts – 0 x means Manual reset.	0 ... 5	1	5	
		715 When stopped # 25 °C		“Constant heating temperature” if the unit is stopped.	20 ... 40 °C	1 °C	25 °C	
		716 Service > 7160 EXIT <						
			7161 K_P 1 %/°C	Setting the proportional amplification for the constant heating regulator.	1 ... 25 %/°C	1 %/°C	1 %/°C	
			7162 T_i 20 s	Setting the integration action time for the constant heating regulator.	1 ... 250 s	1 s	20 s	
			7163 TS-MMM No	Selection of external temperature sensor.	Yes/No		No	
	72 Fire	720 EXIT >		Signals from the fire monitoring units trigger the unit fire function. The alarm must be cancelled manually from the DISPLAY panel and on the monitoring units.				
		721 Method # 0		Can be set so that the unit: 0 Stops completely in the event of fire 1) Stops supply air and increases return air to step 10. 2) Increases supply and return air to step 10. 3) Stops return air and increases supply air to step 10.	0 ... 3		0	
8 Alarm >	80 EXIT <							
	81 Alarm list # R14 22Feb 15:02			Press and turn the switch to view the last 10 alarms on the alarm list.				
	82 Reset alarm # No			All of the alarms can be reset by choosing “yes” when the cause of the alarm has been remedied.	Yes/No			
9 Service >	90 EXIT <							
		91 Analogue Out > 910 EXIT <						
		911 U_fan 1 4.0 V		Forced control of return air fan for service and commissioning.	0.0 ... 10.0 V	0.1 V		
		912 U_fan 2 10.0 V		Forced control of supply air fan for service and commissioning.	0.0 ... 10.0 V	0.1 V		
		913 RxC 10.0 V		Forced control of rotating heat exchanger for service and commissioning.	0.0 ... 10.0 V	0.1 V		
		914 CoolP5Press 0 Bar		Current compressed gas pressure if a cooling unit is fitted.				

Main menu	Submenu 1	Submenu 2	Submenu 3	DISPLAY panel menus – Function	Possible settings	Resolution	Factory setting	Setting altered on:
		915 CoolK00 Red 0 %		Current reduction of cooling output in the event of high gas pressure in the cooling unit.				
		916 Cool set 0 %		Forced control of cooling output for service and commissioning.	0 ... 100 %	1 %		
		917 MUM 0 %		Manual overriding of MVM-valve.	0 ... 100 %	1 %		
	92 EON	> 920 EXIT <						
		921 EON Nodes * 04 devices		List of EON modules connected to the unit at start-up.				
	93 Type	> 930 EXIT <						
		931 VEX type 240-HCW		Setting the applicable VEX type.	VEX240...270 HCW/HCE/ "None"			
		932 Orientation*		Selection of VEX orientation.	1 Left, 2 Left 1 Right, 2 Right			
		933 Max Freq 100 Hz		Display of the maximum frequency for rotor control.	50... 100 Hz	0.5 Hz		
		934 Language * English		Language selection	DK, D, N, S, GB, NL, F		English	
		935 Version x.xx x.xx x.xx		Software version for program, settings and LON parameters.				

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