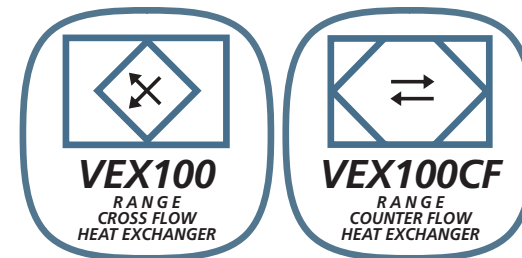
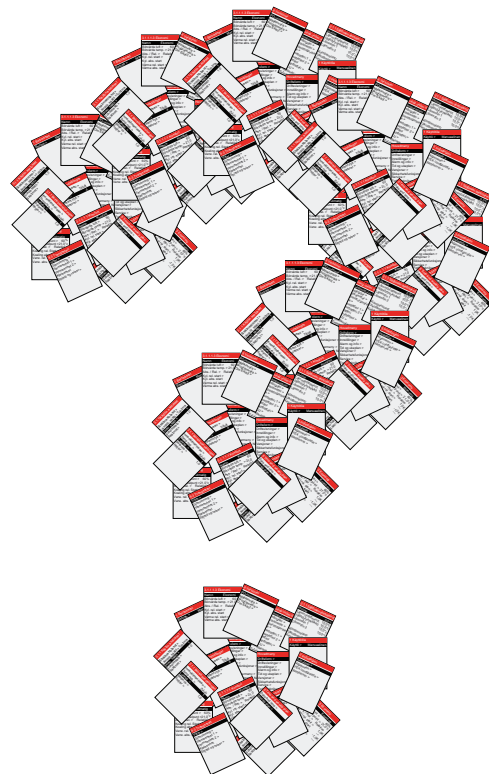


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EXact2 - HMI2-350-TOUCH Menu Guide VEX100/VEX100CF

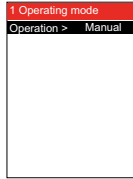
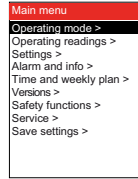
Software version:
AHUC: 3.11.1.0
HMI: 4.1.0.0

Original instructions

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EXHAUSTO



Menu 1 Operating mode >								
_menu	_menu	__menu	___menu	Possible settings/reading	Resolution	Factory setting <small>(If the field is greyed out, the value is restored if menu 3.2.3 is reset)</small>	Setting changed: (+date)	NB
1 Operation >				Manual, Timer		Manual		

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2 Operating readings
Air temperature >
Airflows >
MC parameters >
Temp. reg. units >
Pressure >
Heating coil >
CH cooling unit >
CCW
CU cooling unit >
MXJU
MXHP
Timers >
CO2/RH sensorer >

Menu 2 - Operating readings >								
_menu	_menu	__menu	___menu	Possible settings/reading	Resolution	Factory setting <small>(If the field is greyed out, the value is restored if menu 3.2.3 is reset)</small>	Setting changed: (+date)	NB
2.1 Air temperatures >	2.1.1 Setp. regulators >							
		Room			0.1°C			
		Heat recovery			0.1°C			
		Cooling unit			0.1°C			
		Heating unit			0.1°C			
		Compensations:						
		Outdoor temp.		Active / Inactive				
		Summer		Active / Inactive				
		Supply air (room)			0.1°C			
		Extract air (room)			0.1°C			
		Outdoor air			0.1°C			
		Exhaust air (VEX)			0.1°C			
		Supply air (VEX)			0.1°C			
		Supply (CU)			0.1°C			
		External sensor			0.1°C			
		Heating coil			0.1°C			
		Cooling unit			0.1°C			
		Cooling coil supply air			0,1°C			
2.2 Airflows >								
		Supply air			1 l/s			
		Supply air			1 m ³ /h			
		Extract air			1 l/s			
		Extract air			1 m ³ /h			
2.3 MC parameters >								
		Supply air:						Menu shown if VEX unit has FC motors

Menu 2 - Operating readings >								
_menu	__menu	___menu	____menu	Possible settings/reading	Resolution	Factory setting <small>(If the field is greyed out, the value is restored if menu 3.2.3 is reset)</small>	Setting changed: (+date)	NB
	Maximum				0.1 Hz			
	Set point				0.1 Hz			
	Minimum				0.1 Hz			
	Extract air:							
	Maximum				0.1 Hz			
	Set point				0.1 Hz			
	Minimum				0.1 Hz			
2.3 MC parameters >								Menu shown if VEX unit has EC motors
	Supply air:							
	Maximum				1 RPM			
	Set point				1 RPM			
	Minimum				1 RPM			
	Extract air:							
	Maximum				1 RPM			
	Set point				1 RPM			
	Minimum				1 RPM			
2.3 MC parameters >								Menu shown if VEX unit has analog motors
	Supply air:							
	Maximum				0.1 V			
	Set point				0.1 V			
	Minimum				0.1 V			
	Extract air:							
	Maximum				0.1 V			
	Set point				0.1 V			
	Minimum				0.1 V			
2.4 Temp. reg. units >								
	Heat recovery				0.1%			
	Heating coil				0.1%			
	Heating pump unit				0.1%			
	Cooling unit				0.1%			
	Cooling recovery				0.1%			
	De-icing			Active / Inactive				
	De-icing stage			0 – 7	1			

Menu 2 - Operating readings >								
_menu	__menu	___menu	____menu	Possible settings/reading	Resolution	Factory setting (If the field is greyed out, the value is restored if menu 3.2.3 is reset)	Setting changed: (+date)	NB
	Hibernation				1 s			Shows time remaining of hibernation period.
	Rise in pressure drop				1%			
	Tice				0,1%			
2.5 Pressure >								
	External pressure:							
	Supply air duct				1 Pa			
	Extract air duct				1 Pa			
	Filter pressure:							
	Outdoor air filter				1 Pa			
	Extract air filter				1 Pa			
	Heat Exchanger				1 Pa			
	Cooling coil exhaust				1 Pa			
2.6 Heating coil > (HCW and IHCW)								
	Water heating coil:							The menu is displayed if a HCW is selected
	Supply				0.1°C			
	Return				0.1°C			
	External return				0.1°C			
	Constant temperature				1%			
	Pump			On, Off				
2.6 Heating coil > (HCE)								
	Electric heating coil:							The menu is displayed if a HCE is selected
	Power step total				1			
	Active power steps				1			
	Set point				0.1%			
	TSA60/80				0.1°C			
2.7 CH cooling unit >								
	Comp. gas pressure				0,1 bar			This menu appears if CH is selected in the menu "Accessories > Cooling Unit".

Menu 2 - Operating readings >								
_menu	__menu	___menu	____menu	Possible settings/reading	Resolution	Factory setting <small>(If the field is greyed out, the value is restored if menu 3.2.3 is reset)</small>	Setting changed: (+date)	NB
	Suc. gas pressure				0,1 bar			
	Comp. gas temperature				0,1°C			
	Feed temperature				0,1°C			
	Increased airflow			No, Yes				
	Balance							
	Reduction				1%			
	Block start			No, Yes				
	Press. drop rise							
	CH Size			40, 50, 60, 70, 80		Factory-set		
2.8 CCW >								This menu appears if CCW is selected in the menu "Accessories > Cooling Unit".
	Supply				0.1°C			
	Pump			On, Off				
2.9 CU cooling unit >								This menu appears if CU is selected in the menu "Accessories > Cooling Unit".
	Compressed gas temp.				0.1°C			
	Compressed gas pressure				0.1 bar			
	Evaporator temp.				0.1°C			
	Reduction				0.1%			
	Blocked start			Active / Inactive				
2.10 MXCU >								This menu appears if MXCU is selected in the menu "Accessories > Cooling Unit".
	Cooling unit			On, Off				
	Output				0.1%			
2.11 MXHP >								This menu appears if MXHP is selected in the menu "Accessories > Cooling Unit".
	MXHP Module			On, Off				
	Heating/cooling status				Heat./Cool.			

Menu 2 - Operating readings >								
_menu	__menu	___menu	____menu	Possible settings/reading	Resolution	Factory setting <small>(If the field is greyed out, the value is restored if menu 3.2.3 is reset)</small>	Setting changed: (+date)	NB
	Output				0.1%			
2.12 Timers >								
	Supply air motor			Timer	1 hr			
	Extract air motor			Timer	1 hr			
2.13 CO₂/RH sensors >								
	CO ₂ level			0-2000 ppm	1 ppm			
	Humidity level			0-100%	1%RH			

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3 Settings
Unit >
General >
Configuration >
Accessories >
BMS >
Web server >
Backup/restore >

3.1 Unit
Operating settings >
Airflow comp. >
Temp. compensation >
Filter >
Night-time cooling >
Cooling recovery >
Fan limits >
Supply air temp. limits >
MXHP Settings >
MCOCW Settings >

Menu 3.1 Unit >								
_menu	_menu	__menu	___menu	Possible settings/reading	Resolution	Factory setting <small>(If the field is greyed out, the value is restored if menu 3.2.3 is reset)</small>	Setting changed: <small>(+date)</small>	NB
3.1.1 Operating settings >	3.1.1.1 Indoor air quality levels >	3.1.1.1.1 Comfort >						
			Air set point >	0 – 100%	1%	70%		
			Air setpoint, cool >	0 - 100%	1%	80%		
			Temp. set point >	10.0 – 35.0°C	0.1°C	22.0°C		
			Abs. / Rel. >	Absolute / Relative		Relative		To select absolute or relative temperature, refer to The EXact basic instructions.
			Cool. rel. start >	0.5 – 5.0 K	0.1 K	1.0K		Only active when Relative temperature is selected.
			Cool. abs. start >	<small>(Temp. set point + 0.5°C) -- (Supply air temp. limit max. [°C])</small>	0.1°C	26.0°C		Only active when Absolute temperature is selected.
			Heat. rel. start >	<small>(-0.5K) – (-0.5K)</small>	0.1 K	-1.0K		Only active when Relative temperature is selected.
			Heat. abs. start >	<small>(Supply air temp. limit min. [°C]) - (Temp. set point - 0.5°C)</small>	0.1°C	21.0°C		Only active when Absolute temperature is selected.
		3.1.1.1.2 Standby >						
			Air set point >	0 – 100%	1%	70%		
			Air setpoint, cool >	0 - 100%	1%	80%		
			Temp. set point >	10.0 – 35.0°C	0.1°C	22.0°C		
			Abs. / Rel. >	Absolute / Relative		Relative		To select absolute or relative temperature, refer to The EXact basic instructions.

Menu 3.1 Unit >								
_menu	_menu	__menu	___menu	Possible settings/reading	Resolution	Factory setting (If the field is greyed out, the value is restored if menu 3.2.3 is reset)	Setting changed: (+date)	NB
			Cool. rel. start >	0.5 – 5.0 K	0.1 K	3.0K		Only active when Relative temperature is selected.
			Cool. abs. start >	(Temp. set point + 0.5°C) - (Supply air temp. limit max. [°C])	0.1°C	26.0°C		Only active when Absolute temperature is selected.
			Heat. rel. start >	(-0.5K) – (-0.5K)	0.1 K	-3.0 K		Only active when Relative temperature is selected.
			Heat. abs. start >	(Supply air temp. limit min. [°C]) - (Temp. set point - 0.5°C)	0.1°C	19.0°C		Only active when Absolute temperature is selected.
			3.1.1.1.3 Economy >					
			Air set point >	0 – 100%	1%	10%		
			Air setpoint,cool >	0 - 100%	1%	80%		
			Temp. set point >	10.0 – 35.0°C	0.1°C	22.0°C		
			Abs. / Rel. >	Absolute / Relative		Absolute		To select absolute or relative temperature, refer to The EXact basic instructions.
			Cool. rel. start >	0.5 – 5.0 K	0.1 K	4.0K		Only active when Relative temperature is selected.
			Cool. abs. start >	(Temp. set point + 0.5°C) - (Supply air temp. limit max. [°C])	0.1°C	28.0°C		Only active when Absolute temperature is selected.
			Heat. rel. start >	(-0.5K) – (-0.5K)	0.1 K	-5.0 K		Only active when Relative temperature is selected.
			Heat. abs. start >	(Supply air temp. limit min. [°C]) - (Temp. set point - 0.5°C)	0.1°C	16.0°C		Only active when Absolute temperature is selected.
			3.1.1.1.4 Manual >					
			Air set point >	0 – 100%	1%	0%		
			Air setpoint,cool >	0 - 100%	1%	80%		
			Temp. set point >	10.0 – 35.0°C	0.1°C	22.0°C		
			Abs. / Rel. >	Absolute / Relative		Relative		To select absolute or relative temperature, refer to The EXact basic instructions.
			Cool. rel. start >	0.5 – 5.0 K	0.1 K	1.0K		Only active when Relative temperature is selected.

Menu 3.1 Unit >								
_menu	_menu	__menu	___menu	Possible settings/reading	Resolution	Factory setting (If the field is greyed out, the value is restored if menu 3.2.3 is reset)	Setting changed: (+date)	NB
			Cool. abs. start >	(Temp. set point + 0.5°C) - (Supply air temp. limit max. [°C])	0.1°C	26.0°C		Only active when Absolute temperature is selected.
			Heat. rel. start >	(-0.5K) – (-0.5K)	0.1 K	-1.0K		Only active when Relative temperature is selected.
			Heat. abs. start >	(Supply air temp. limit min.[°C]) - (Temp. set point - 0.5°C)	0.1°C	21.0°C		Only active when Absolute temperature is selected.
			Temp. reg. >	Room, Supply air		Supply air		
			Air reg. >	1 - 8	1	2		Refer to The EXact basic instructions - menu 3.1.1 Air reg.
			Balance > (method 1)	0,50 - 2,00	0,01	1,00		Only shown in menu when method 1 selected for Air reg.
			3.1.1.4 Constant airflow > (method 2)					Menu shown only when method 2 selected for Air reg.
		Setp. max. >		VEX140H: (Setp. min + 1) - 740l/s VEX140C: (Setp. min + 1) - 740l/s VEX140V: (Setp. min + 1) - 740l/s VEX150H: (Setp. min + 1) - 1120l/s VEX150V: (Setp. min + 1) - 1120l/s VEX160H: (Setp. min + 1) - 1600l/s VEX160V: (Setp. min + 1) - 1600l/s VEX170H: (Setp. min + 1) - 2530l/s	1	VEX140H: 670l/s VEX140C: 670l/s VEX140V: 670l/s VEX150H: 1010l/s VEX150V: 1010l/s VEX160H: 1320l/s VEX160V: 1320l/s VEX170H: 1870l/s		Max. and min. limits are mutually dependent, i.e. minimum 1 l/s difference.

Menu 3.1 Unit >								
_menu	_menu	__menu	___menu	Possible settings/reading	Resolution	Factory setting (If the field is greyed out, the value is restored if menu 3.2.3 is reset)	Setting changed: (+date)	NB
		Setp. min. >		VEX140H: 110 - (Setp. maks. -1)/s VEX140C: 110 - (Setp. maks. -1)/s VEX140V: 110 - (Setp. maks. -1)/s VEX150H: 200 - (Setp. maks. -1)/s VEX150V: 200 - (Setp. maks. -1)/s VEX160H: 290 - (Setp. maks. -1)/s VEX160V: 290 - (Setp. maks. -1)/s VEX170H: 360 - (Setp. maks. -1)/s	1	VEX140H: 110 l/s VEX140C: 110 l/s VEX140V: 110 l/s VEX150H: 200 l/s VEX150V: 200 l/s VEX160H: 290 l/s VEX160V: 290 l/s VEX170H: 360 l/s		
		Balance >		0.50 – 2.00	0.01	1.00		
	3.1.1.4	Constant pressure > (method 3)						Menu shown only when method 3 selected for Air. reg.
		Extract air:						
		Setp. max. >		Setp. min. – 1,000 Pa	1 Pa	230 Pa		
		Setp. min. >		0Pa – Setp. max.	1 Pa	30 Pa		
		Supply air:						
		Setp. >		VEX140: 110 - 740l/s VEX150: 200 - 1120l/s VEX160: 290 - 1600l/s VEX170: 360- 2530l/s		VEX140: 370l/s VEX150: 560l/s VEX160: 800l/s VEX170: 1265l/s		
	3.1.1.4	Constant pressure > (method 4)						Menu shown only when method 4 selected for Air. reg.
		Supply air:						
		Setp. max. >		Setp. min. – 1,000 Pa	1 Pa	230 Pa		
		Setp. min. >		0Pa – Setp. max.	1 Pa	30 Pa		
		Extract air:						
		Setp. >		VEX140: 110 - 740l/s VEX150: 200 - 1120l/s VEX160: 290 - 1600l/s VEX170: 360- 2530l/s		VEX140: 370l/s VEX150: 560l/s VEX160: 800l/s VEX170: 1265l/s		

Menu 3.1 Unit >								
_menu	_menu	__menu	___menu	Possible settings/reading	Resolution	Factory setting (If the field is greyed out, the value is restored if menu 3.2.3 is reset)	Setting changed: (+date)	NB
	3.1.1.4 Constant pressure > (method 5)							Menu shown only when method 5 selected for Air. reg.
		Extract air:						
		Setp. max. >		Setp. min. – 1,000 Pa	1 Pa	230 Pa		
		Setp. min. >		0Pa – Setp. max.	1 Pa	30 Pa		
		Supply air:						
		Balance >		0.50 – 2.00	0.01	1.00		
	3.1.1.4 Constant pressure > (method 6)							Menu shown only when method 6 selected for Air. reg.
		Supply air:						
		Setp. max. >		Setp. min. – 1,000 Pa	1 Pa	230 Pa		
		Setp. min. >		0Pa – Setp. max.	1 Pa	30 Pa		
		Extract air:						
		Balance >		0.50 – 2.00	0.01	1.00		
	3.1.1.4 Constant pressure > (method 7)							Menu shown only when method 7 selected for Air. reg.
		Extract air:						
		Setp. max. >		Setp. min. – 1,000 Pa	1 Pa	230 Pa		
		Setp. min. >		0Pa – Setp. max.	1 Pa	30 Pa		
		Supply air:						
		Setp. max. >		Setp. min. – 1,000 Pa	1 Pa	230 Pa		
		Setp. min. >		0Pa – Setp. max.	1 Pa	30 Pa		
	3.1.1.4 AUX > (method 8)							Menu shown only when method 8 selected for Air. reg
		Type >		None, BFO, BMS				
		BFO >	3.1.1.4.2 BFO >					
		Supply air:						
		MC. max. >		MC. min. - 10,0V	0,1V	10,0V		
		MC. min. >		0V - MC. max.	0,1V	0,0V		
		Override>		0 - 2	1	0		
		Extract air:						

Menu 3.1 Unit >								
_menu	_menu	__menu	___menu	Possible settings/reading	Resolution	Factory setting (If the field is greyed out, the value is restored if menu 3.2.3 is reset)	Setting changed: (+date)	NB
			MC. max. >	MC. min. - 10,0V	0,1V	10,0V		
			MC. min. >	0V - MC max.	0,1V	0,0V		
			Override >	0 - 2	1	0		
		BMS >	3.1.1.4.3 BMS >					
			Supply air:					
			Set point	0,0 - 100,0%	0,1%	0,0%		
			Override >					
			3.1.1.4.3.3 Override >					
			Normal	0 - 65535	1	0		
			Open	0 - 65535	1	1		
			Close	0 - 65535	1	2		
			Extract air:					
			Set point	0,0 - 100,0%	0,1%	0,0%		
			Override >					
			3.1.1.4.3.7 Override >					
			Normal	0 - 65535	1	0		
			Open	0 - 65535	1	1		
			Close	0 - 65535	1	2		
		3.1.1.5 Regulators >						Submenus can: - be read if technician logged in. - be set if service technician logged in.
		3.1.1.5.1 Room temperature >						
			Kp >	0.5 – 10.0	0.1	3.0		Setting proportional amplification for the room temperature regulator.
			Ti >	60 – 2,550 s	1 s	900 s		Setting time constant for the room temperature regulator.
		3.1.1.5.2 Supply air temp. >						

Menu 3.1 Unit >								
_menu	_menu	__menu	___menu	Possible settings/reading	Resolution	Factory setting (If the field is greyed out, the value is restored if menu 3.2.3 is reset)	Setting changed: (+date)	NB
			Temperature recovery:					
			Kp >	0.5 – 10.0	0.1	4.0		
			Ti >	1 – 250 s	1 s	30 s		
			Heating coil:					
			Kp >	0.5 – 10.0	0.1	2.0		
			Ti >	1 – 250 s	1 s	45 s		
			Cooling coil:					
			Kp >	0.5 – 10.0	0.1	2.0		
			Ti >	1 – 250 s	1 s	45 s		
		3.1.1.5.3 Supply airflow >						
			Kp >	0.01 – 25.00	0.01	0.50		
			Ti >	1 – 25 s	1 s	10 s		
		3.1.1.5.4 Extract airflow >						
			Kp >	0.01 – 25.00	0.01	0.50		
			Ti >	1 – 25 s	1 s	10 s		
		3.1.1.5.5 Supply pressure >						
			Kp >	0.01 – 25.00	0.01	1.00		
			Ti >	1 – 100 s	1 s	25 s		
		3.1.1.5.6 Extract pressure >						
			Kp >	0.01 – 25.00	0.01	1.00		
			Ti >	1 – 100 s	1 s	25 s		
		3.1.1.5.7 Constant temperature >						Only active when a heating coil is installed.
			Kp >	1.0–25.0	0.1	1.0		
			Ti >	10–250 s	1 s	20 s		
3.1.2 Airflow comp. >	3.1.2.1 CO₂ compensation >							
		Current level			1 ppm			
		Activated >		No, Yes		No		

Menu 3.1 Unit >									
_menu	_menu	__menu	___menu	Possible settings/reading	Resolution	Factory setting (If the field is greyed out, the value is restored if menu 3.2.3 is reset)	Setting changed: (+date)	NB	
		Start >		0 – (Maximum - 100ppm)	1 ppm	800 ppm			
		Maximum >		(Start+100ppm) – 2,000ppm	1 ppm	1,200 ppm			
	3.1.2.2 Humidity compensation >		Current level			1%			
			Activated >		No, Yes		No		
			Start >		0 – (Maximum -10%)	1%	60%		
			Maximum >		(Start+10%) – 100%	1%	80%		
	3.1.2.3 Airflow reduction >		Current level			0.1°C			
			Activated >		No, Yes		No		
			Start >		(Minimum+1.0°C) – 25.0°C	0.1°C	18.0°C		
			Minimum >		9.0°C – (Start - 1.0°C)	0.1°C	15.0°C		
	3.1.2.4 Outdoor air comp. >		Current level			0.1°C			
			Activated >		No, Yes		No		
			Start >		5.0 – 20.0°C	0.1°C	10.0°C		
			Minimum >		-20.0 – 0.0°C	0.1°C	-10.0°C		
	3.1.3 Temp. compensations >								
			3.1.3.1 Outside temp. comp. >						
		Activated >		No, Yes		No		Only active in the case of supply air temperature regulation	
		Temp. low >		-20.0 – 0.0°C	0.1°C	-10.0°C			
		Comp. low >		0.0 – 1.0 K	0.1 K	0.2 K/K			
		Temp. high >		5.0 – 20.0°C	0.1°C	15.0°C			
		Comp. high		-1.0 – 0.0 K	0.1 K	-0.2 K/K			

Menu 3.1 Unit >								
_menu	_menu	__menu	___menu	Possible settings/reading	Resolution	Factory setting (If the field is greyed out, the value is restored if menu 3.2.3 is reset)	Setting changed: (+date)	NB
	3.1.3.2 Summertime comp. >							
		Activated >		No, Yes		No		Only active in the case of room air temperature regulation
		Temp. high >		20.0 – 35.0°C	0.1°C	25.0°C		
		Comp. level >		0.0 – 1.0 K	0.1K	1.0 K/K		
	3.1.4 Filter >							
	Current pressure:							
	Outdoor air				1 Pa			
	Extract air				1 Pa			
	Warning:							
	Outdoor air >			0Pa – (Outdoor Alarm)	1 Pa	185 Pa		Outdoor air warning and Outdoor air alarm are mutually dependent: warning pressure must be less than or equal to alarm pressure.
	Extract air >			0Pa – (Extract Alarm)	1 Pa	185 Pa		Extract air warning and extract air alarm are mutually dependent: warning pressure must be less than or equal to alarm pressure.
	Alarm:							
	Outdoor air >			(Outdoor Warning) - 500 Pa	1 Pa	200 Pa		See Warning Outdoor air.
	Extract air >			(Extract Warning) - 500 Pa	1 Pa	200 Pa		See Warning extract air.
	3.1.4 Filter >							Displayed if filter detection is set to "Timer" in the menu "Settings > Accessories".
	Operating days			0 - 65535 d	1 day			
	Warning >				1 day	100d		

Menu 3.1 Unit >								
_menu	_menu	__menu	___menu	Possible settings/reading	Resolution	Factory setting (If the field is greyed out, the value is restored if menu 3.2.3 is reset)	Setting changed: (+date)	NB
	Alarm >				1 day	100d		
	Change of filter >			No, Yes				
	Last changed:							
	Date:			dd-mm-yyyy				
	3.1.5 Night-time cooling >							
	Operating period >			None, Summer, Always		None		
	Set point >			16.0 – 26.0°C	1°C	18°C		
	Min. supply air temp. >			5 – 15.0°C	1°C	10°C		
	ΔT max. >			($\Delta T_{min} + 1K$) – 10K	1 K	6 K		Dependent on: ΔT_{max} . always 1 K > ΔT_{min} .
	ΔT min. >			2K – ($\Delta T_{max} - 1K$)	1 K	3 K		
	Start time >			22:00 – 08:59	1 min.	00:00		Mutually dependent: start 1 min before stop.
	Stop time >			22:01 – 09:00	1 min.	06:00		
	HC blocking >			8 – 168 hr	1 hr	60 hr		
	3.1.5.9 Permit night cooling >							
		Comfort >		No, Yes		Yes		
		Standby >		No, Yes		No		
		Economy >		No, Yes		No		
	3.1.6 Cooling recovery >							
	Activated >			No, Yes		Yes		
	Start limit >			2.0 – 10.0 K	0.1 K	3.0 K		
	3.1.7 Fan limits >							
	Supply air:							
	Minimum >			0 – 100%	1%	0%		
	Maximum >			0 – 100%	1%	100%		
	Extract air:							
	Minimum >			0 – 100%	1%	0%		
	Maximum >			0 – 100%	1%	100%		
	3.1.8 Supply air temperature limits >							

Menu 3.1 Unit >								
_menu	_menu	_menu	_menu	Possible settings/reading	Resolution	Factory setting (If the field is greyed out, the value is restored if menu 3.2.3 is reset)	Setting changed: (+date)	NB
	Supply air temp. limits >							
	Minimum >			10.0°C – 25.0°C	0.1 K	10.0°C		
	Maximum >			30.0°C – 50.0°C	0.1 K	35.0°C		
	Room temp. limits >							
	Minimum >			10.0°C – (Maximum-1°C)	0.1 K	10.0°C		Mutually dependent: 1 K difference.
	Maximum >			(Minimum+1.0°C) – 35.0°C	0.1 K	35.0°C		
	Maximum ΔT >			2.0–15.0 K	0.1 K	10.0 K		
3.1.9. MXHP Settings								
	Start pct:							
	Cooling start >			3.0 - 50.0%	0.1%	5.0%		
	Heating start >			3.0 - 50.0%	0.1%	5.0%		
	Cooling requirement:							
	Min. limit >			0.0 - 9.9V	0.1V	0.0V		
	Max limit >			0.1 - 10.0V	0.1V	10.0V		
	Heating requirement:							
	Min. limit >			0.0 - 9.9V	0.1V	0.0V		
	Max limit >			0.1 - 10.0V	0.1V	10.0V		
	Dead band OFF:							
	Min. Voltage			0.0V	0.1V	0.0V		
	Max. Voltage			0.0 - 9.9V	0.1V	0.0V		
	Min. airflow							
	Supply airflow >			0 - 50000l/s	1	100l/s		
	Confirm setup: >			No, Yes		No		
3.1.10. MCOCW Settings								
	Start pct:							
	Cooling start >			3.0 - 50.0%	0.1%	5.0%		
	Heating start >			3.0 - 50.0%	0.1%	5.0%		

Menu 3.1 Unit >								
_menu	_menu	__menu	___menu	Possible settings/reading	Resolution	Factory setting <small>(If the field is greyed out, the value is restored if menu 3.2.3 is reset)</small>	Setting changed: <small>(+date)</small>	NB
	Cooling requirement:							
	Min. limit >			0.0 - 9.9V	0.1V	0.0V		
	Max limit >			0.1 - 10.0V	0.1V	10.0V		
	Heating requirement:							
	Min. limit >			0.0 - 4.9V	0.1V	0.0V		
	Max limit >			0.1 - 10.0V	0.1V	5.0V		
	Min. TE-SPT Heating mode							
	Limit >			15.0 - 50.0°C	0.1°C	25.0°C		
	Max. TE-SPT Heating mode							
	Limit >			10.0 - 40.0°C	0.1°C	15.0°C		
	Outdoor Limit >			5.0-10.0°C	0.1°C	10°C		
	Valve type >			6-way Danfoss 3-way		6-way Danfoss		
	Confirm setup:			No, Yes		No		

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Menu 3 Settings >								
_menu	__menu	___menu	____menu	Possible settings/reading	Resolution	Factory setting (If the field is greyed out, the value is restored if menu 3.2.3 is reset)	Setting changed: (+date)	NB
3.2 General >	3.2.1 Date and time >							
		Date:		dd-mm-yy				
		Day >		Monday, Tuesday ...				
		Time:		hh:mm				
	Language >			GB DE FR DK NO SE FI NL		GB		
	3.2.3 Reset settings >							
		Reset settings >		No, Yes		Yes		
	Reload database >							Synchronise the replicated database in the HMI with the database in the main control.
3.3 Configuration >								
	Type >			VEX100, VEX200, VEX300, CX300, VEX300T		Factory-set		
	Size >			8, 10, 20, 30, 40, 50, 60, 70, 80		Factory-set		The number of VEX sizes depends on the VEX type.
	Orientation >			H, C, V		Factory-set		Available options vary according to VEX type.

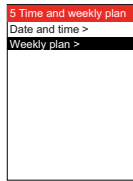
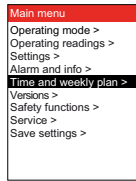
Menu 3 Settings >								
_menu	__menu	___menu	____menu	Possible settings/reading	Resolution	Factory setting (If the field is greyed out, the value is restored if menu 3.2.3 is reset)	Setting changed: (+date)	NB
	Exchanger type >			CF, Type A, Std, Adjustable				
	Adjustable >			0,10-2,00	0,01	Factory-set		
3.4 Accessories >								
	Ice detection method			Pressure, Tice				
	De-icing method			VEX140 - 170 : 4 - 5	1	Factory settings depend on the configuration of the VEX.		
	Heating coil >			None, MHCW, MHCE, IHCW, MCOCW		None		
	Cooling unit >			None, CU, CCW, MXCU, CH, MXHP		None		
	Power steps HCE >			1 – 4	1	1		Shown if HCE is selected for Heating coil in this menu.
	Filter detection			Timer, Pressure		Pressure		
	PIR >			None, PIR1, PIR2, Both		Factory settings are dependent on the VEX configuration		
	TS >			TS Duct, TS Room, None		None		
	CO ₂ >			None, MIOCO2, CO2B, BMS		None		
	RH >			None, MIORH, RHB, BMS		None		
	Dining Solution			No		No		
	AUX OUT setting >			1,2,3				
3.5 BMS >								
	BMS >			None, Modbus, MTCP, MLON, BACnet MSTP, BACnet IP		None		

Menu 3 Settings >								
_menu	__menu	___menu	____menu	Possible settings/reading	Resolution	Factory setting (If the field is greyed out, the value is restored if menu 3.2.3 is reset)	Setting changed: (+date)	NB
	3.5.2 Configuration >							Displayed when Modbus for BMS is selected.
		Address >						
		Baud rate >						
		Data bit						
		Paritet >						
		Stop bit >						
		Flow control						
	3.5.2 Configuration >							Displayed when BACnet MSTP for BMS is selected.
		Device ID >						
		Device name:						
		Net number >						
		Address >						
		Baud rate >						
	3.5.2 Configuration >							Displayed when BACnet IP for BMS is selected.
		Device ID >						
		Device name:						
		UDP Port						
	3.6 Web server >							
	DHCP >			No, Yes		No		
	IP address >					192.168.001.180		
	Subnet mask >					255.255.255.000		
	Standard gateway >					192.168.001.001		
	Port number>			0 - 65535		80		
	MAC address					XX:XX:XX:XX:XX:XX		
	Reset password >			No, Yes		No		
	3.7 Backup/restore >							
	Backup >			Error, No USB, Ready, Done				
	Restore >			Error, No USB, Ready, Done				

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Alarm and info
Alarm Yes
Warning No
Information No
Reset alarms > No
Current list >
Alarm log list >
Delete alarm log > No

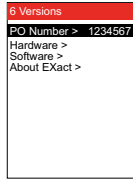
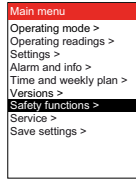
Menu 4 Alarm and info >								
_menu	__menu	___menu	____menu	Possible settings/reading	Resolution	Factory setting <small>(If the field is greyed out, the value is restored if menu 3.2.3 is reset)</small>	Setting changed: (+date)	NB
Alarm >				No, Yes				
Warning >				No, Yes				
Information >				No, Yes				
Reset alarms >				No, Yes				
Current list >								
	Alarm 01-16 XXYYZ							XXYYZ is the alarm number, where XX = unit YY = fault code Z = alarm category See EXact Basic Instructions for troubleshooting.
Alarm log list >								
	Alarm log list 00-19 Alarm log list 20-39 Alarm log list 40-59 Alarm log list 60-79 Alarm log list 80-99	Alarm 00 XXYYZ S/C yyyy-mm-dd hh:mm:ss						XXYYZ is the alarm number, where XX = unit YY = fault code Z = alarm category S = the alarm was set C = the alarm was reset See EXact Basic Instructions for troubleshooting.
Delete alarm log >				No, Yes		No		



Menu 5 - Time and weekly plan >								
_menu	__menu	___menu	____menu	Possible settings/reading	Resolution	Factory setting <small>(If the field is greyed out, the value is restored if menu 3.2.3 is reset)</small>	Setting changed: (+date)	NB
5.1 Date and time >								
	Date:			dd-mm-yyyy				
	Day >			Monday, Tuesday ...				
	Time:			hh:mm				
5.2 Weekly plan >								
	Plan type			Day, Week, 5/2		Day		
	5.2.2 Changing > (week)							
		1 Indoor air quality level >		Inactive, OFF, Comfort, Standby, Economy.		Inactive		
		1 Time		--:--, 00:00 - 23:59	1 min.	--:--		
		2 Indoor air quality level >		Inactive, OFF, Comfort, Standby, Economy.		Inactive		
		2 Time		--:--, 00:00 - 23:59	1 min.	--:--		
		3 Indoor air quality level >		Inactive, OFF, Comfort, Standby, Economy.		Inactive		
		3 Time		--:--, 00:00 - 23:59	1 min.	--:--		
		4 Indoor air quality level >		Inactive, OFF, Comfort, Standby, Economy.		Inactive		
		4 Time		--:--, 00:00 - 23:59	1 min.	--:--		

Menu 5 - Time and weekly plan >									
_menu	_menu	__menu	___menu	Possible settings/reading	Resolution	Factory setting (If the field is greyed out, the value is restored if menu 3.2.3 is reset)	Setting changed: (+date)	NB	
		5 Indoor air quality level >		Inactive, OFF, Comfort, Standby, Economy.		Inactive			
		5 Time		--:--, 00:00 - 23:59	1 min.	--:--			
		5.2.2 Changing > (5/2)							
		5.2.2.1 Weekdays >							
			1 Indoor air quality level >		Inactive, OFF, Comfort, Standby, Economy.		Standby		
			1 Time		--:--, 00:00 - 23:59	1 min.	--:--		
			2 Indoor air quality level >		Inactive, OFF, Comfort, Standby, Economy.		Comfort		
			2 Time		--:--, 00:00 - 23:59	1 min.	--:--		
			3 Indoor air quality level >		Inactive, OFF, Comfort, Standby, Economy.		Standby		
			3 Time		--:--, 00:00 - 23:59	1 min.	--:--		
			4 Indoor air quality level >		Inactive, OFF, Comfort, Standby, Economy.		Economy		
			4 Time		--:--, 00:00 - 23:59	1 min.	--:--		
			5 Indoor air quality level >		Inactive, OFF, Comfort, Standby, Economy.		Inactive		
			5 Time		--:--, 00:00 - 23:59	1 min.	--:--		
			5.2.2.2 Weekend >						
			1 Indoor air quality level >		Inactive, OFF, Comfort, Standby, Economy.		Inactive		
			1 Time		--:--, 00:00 - 23:59	1 min.	--:--		
			Etc. ...						

Menu 5 - Time and weekly plan >								
_menu	_menu	__menu	___menu	Possible settings/reading	Resolution	Factory setting <small>(If the field is greyed out, the value is restored if menu 3.2.3 is reset)</small>	Setting changed: (+date)	NB
	5.2.2 Changing > (Day)							
		5.2.2.1 Monday >						
			1 Indoor air quality level >	Inactive, OFF, Comfort, Standby, Economy.		Inactive		
			1 Time	--:-- , 00:00 - 23:59	1 min.	--:--		
			2 Indoor air quality level >	Inactive, OFF, Comfort, Standby, Economy.		Inactive		
			2 Time	--:-- , 00:00 - 23:59	1 min.	--:--		
			3 Indoor air quality level >	Inactive, OFF, Comfort, Standby, Economy.		Inactive		
			3 Time	--:-- , 00:00 - 23:59	1 min.	--:--		
			4 Indoor air quality level >	Inactive, OFF, Comfort, Standby, Economy.		Inactive		
			4 Time	--:-- , 00:00 - 23:59	1 min.	--:--		
			5 Indoor air quality level >	Inactive, OFF, Comfort, Standby, Economy.		Inactive		
			5 Time	--:-- , 00:00 - 23:59	1 min.	--:--		
			5.2.2.2 Tuesday >					
			5.2.2.3 Wednesday >					
			5.2.2.4 Thursday >					
			5.2.2.5 Friday >					
			5.2.2.6 Saturday >					
			5.2.2.7 Sunday >					
			1 Indoor air quality level	Inactive, OFF, Comfort, Standby, Economy.		Inactive		
			1 Time	--:-- , 00:00 - 23:59	1 min.	--:--		
			Etc. ...					



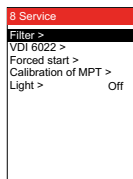
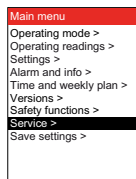
Menu 6 Versions >								
_menu	__menu	___menu	____menu	Possible settings/reading	Resolution	Factory setting <small>(If the field is greyed out, the value is restored if menu 3.2.3 is reset)</small>	Setting changed: (+date)	NB
6.1 PO number >					1	Factory-set		
6.2 Hardware >								
	AHUC			PCBA nr. Module nr.				
	HMI1			PCBA nr. Module nr.				
	MPT1			PCBA nr. Module nr.				
	MPT2			PCBA nr. Module nr.				
	MPT3			PCBA nr. Module nr.				
	MPT4			PCBA nr. Module nr.				
	MPT5			PCBA nr. Module nr.				
	MPT6			PCBA nr. Module nr.				
	MPT7			PCBA nr. Module nr.				
	MHC			PCBA nr. Module nr.				
	CCW/XCU/XHP			PCBA nr. Module nr.				
	CH			PCBA nr. Module nr.				

Menu 6 Versions >								
_menu	__menu	___menu	____menu	Possible settings/reading	Resolution	Factory setting <small>(If the field is greyed out, the value is restored if menu 3.2.3 is reset)</small>	Setting changed: (+date)	NB
6.3 Software >								
	AHUC							
	Webserver							
	HMI							
	RHX2M							
	MPT1							
	MPT2							
	MPT3							
	MPT4							
	MPT5							
	MPT6							
	MPT7							
	MHC							
	CCW/XCU/XHP							
	CU							
	MIO CO2							
	MIO RH							
	MIO TSRoom							
	MIO PIR1							
	MIO PIR2							
	MC1							
	MC2							
	CH							
6.4 About EXact >								

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7 Safety functions
Fire alarm >
Frost protection HCW >
Frost protection HR >
CH cooling unit >

Menu 7 Safety functions >								
_menu	__menu	___menu	____menu	Possible settings/reading	Resolution	Factory setting (If the field is greyed out, the value is restored if menu 3.2.3 is reset)	Setting changed: (+date)	NB
7.1 Fire alarm >								
	In case of fire >			1, 2, 3, 4	1	1		
	Override >					No		
7.2 Frost protection of HCW >								
	Stop temperature >			5.0 – 18°C	1°C	13°C		
	Warning temp. >			2.0 – 5.0 K	1 K	2 K		
	Number of restarts >			0 - 5	1	5		
	Constant temperature >			25.0 – 40°C	1°C	25°C		
	RPT-X fitted >			No, Yes		No		
	MVM/CP time >			5 min./∞		5. min		
7.3 Frost protection HR								
	De-icing pressure			25 – 60%	1	45%		Displayed if Ice Detection Method is set to "Pressure"
	De-icing temperature			-10,0°C - 6,0°C	0,1°C	0,0°C		Displayed if Ice Detection Method is set to "Tice"
	Number of restarts			OFF, 1 – 100	1	10		OFF = There is no upper limit to the total number of restarts.
7.4 CH cooling unit>								
	De-icing pressure			25 - 80%	1	45%		Displayed if Ice Detection Method is set to "Pressure"
	Balance comp.			Off, On		On		
	Frost protec.			-15°C - 4°C		-5°C		



Menu 8 Service >								
_menu	__menu	___menu	____menu	Possible settings/reading	Resolution	Factory setting <small>(If the field is greyed out, the value is restored if menu 3.2.3 is reset)</small>	Setting changed: (+date)	NB
8.1 Filter >								
	Current pressure:							
	Outdoor air				1 Pa			
	Extract air				1 Pa			
	Warning:							
	Outdoor air >			0Pa – (Outdoor Alarm)	1 Pa	185 Pa		Outdoor air warning and Outdoor air alarm are mutually dependent: warning pressure must be less than or equal to alarm pressure.
	Extract air >			0Pa – (Extract Alarm)	1 Pa	185 Pa		Extract air warning and extract air alarm are mutually dependent: warning pressure must be less than or equal to alarm pressure.
	Alarm:							
	Outdoor air >			(Outdoor Warning) – 500 Pa	1 Pa	200 Pa		See Warning Outdoor air.
	Extract air >			(Extract Warning) – 500 Pa	1 Pa	200 Pa		See Warning extract air.
8.1 Filter >								Displayed if filter detection is set to "Timer"
	Operating days			0 - 65535 d	1 day			
	Warning >				1 day	100d		
	Alarm >				1 day	100d		
	Change of filter >			No, Yes				
	Last changed:							
	Date:			dd-mm-yyyy				

Menu 8 Service >								
_menu	__menu	___menu	____menu	Possible settings/reading	Resolution	Factory setting (If the field is greyed out, the value is restored if menu 3.2.3 is reset)	Setting changed: (+date)	NB
8.2 VDI 6022 >								
	Light >			Off, On		Off		Switches off automatically when menu exited.
	Filter pressure:							
	Extract air filter				1 Pa			
	Outdoor air filter				1 Pa			
8.3 Forced start >								
	8.3.1 Fans >							
		Supply air		0 – 100%	1%	0%		
		Extract air		0 – 100%	1%	0%		
		Fault on MC1		No, Yes				
		Fault on MC1		No, Yes				
	8.3.2 Heating coil > (HCW)							
		HCW		0 – 100%	1%	0%		Shown if HCW is selected for heating coil in this menu.
		Fault on unit		No, Yes				
	8.3.2 Heating coil > (HCE)							
		HCE		0 – 100%	1%	0%		Shown if HCE is selected for heating coil in this menu.
		Supply air		0 – 100%	1%	0%		
		Min. flow			1 l/s			
		Measured flow			1 l/s			
		Run-on		No, Yes				
		Fault on unit		No, Yes				
	8.3.2 Heating coil > (MCOCW)							
		MCOCW		0 - 100%	1%	0%		Shown if MCOCW is selected as heating coil.
		Heat./Cool.		Cool. / Heat.		Cooling		
		Analogue output		0-10.0V	0,1V			
		Fault on unit		No, Yes				
	8.3.3 Cooling unit > (CCW/MXCU/CU)							

Menu 8 Service >								
_menu	__menu	___menu	____menu	Possible settings/reading	Resolution	Factory setting (If the field is greyed out, the value is restored if menu 3.2.3 is reset)	Setting changed: (+date)	NB
		CCW/MXCU/CU		0 - 100%	1%	0%		Shown if CCW/MXCU/CU is selected as Cooling unit
		Fault on unit		No, Yes				
	8.3.3 Cooling unit > (MXHP)							
		Supply air		0 - 100%	1%	0%		Shown if MXHP is selected as Cooling unit
		Meas. supp. air			1 l/s			
		MXHP Module		Cool. / Heat.		Cool.		
		MXHP Setpoint			1%			
		Analogue output		0-10.0V	0,1V			
		Start signal		Off / On		Off		
		Heating/Cooling		Cool. / Heat.		Cool.		
		Fault on unit		No, Yes				
	8.3.3 CH cooling unit >							
		Supply air		0 - 100%	1%	0%		
		Extract air		0 - 100%	1%	0%		
		Measured flow, supply air			1 l/s			
		Measured flow, extract air			1 l/s			
		Pumps		Off, On		Off		
		CH cooling unit		Cooling		Cool.		
		CH cooling unit		0 - 100%	1%	0%		
		Fault on unit		No, Yes				
	8.3.4 Dampers and relays >							
		LSF >		On, Off		Off		
		LSA >		On, Off		Off		
		RGS/AUX OUT >		On, Off		Off		
		Alarm relay >		On, Off		Off		
		VDI light >		On, Off		Off		
		BP1 >		2,00V - 10,00V	0,01V	2.00 V		[2.00 V] Return signal
	8.3.5 EXEB relays >							

Menu 8 Service >								
_menu	__menu	___menu	____menu	Possible settings/reading	Resolution	Factory setting (If the field is greyed out, the value is restored if menu 3.2.3 is reset)	Setting changed: (+date)	NB
		EXEB relay 1 >		On, Off		Off		
		EXEB relay 2 >		On, Off		Off		
		EXEB relay 3 >		On, Off		Off		
		EXEB relay 4 >		On, Off		Off		
		EXEB relay 5 >		On, Off		Off		
		EXEB relay 6 >		On, Off		Off		
8.4 Calibration of MPT >								
	MPT1, P1				1Pa			
	MPT1, P2				1Pa			
	MPT2, P1				1Pa			
	MPT2, P2				1Pa			
	MPT3, P1				1Pa			
	MPT3, P2				1Pa			
	MPT4, P1				1Pa			
	MPT4, P2				1Pa			
	MPT5, P1				1Pa			
	MPT5, P2				1Pa			
	MPT6, P1				1Pa			
	MPT6, P2				1Pa			
	MPT7, P1				1Pa			
	MPT7, P2				1Pa			
	Calibrate >			No, Yes		No		
	Last calibrated:							
	Date:			dd-mm-yyyy				
	Time:			hh:mm:ss				
8.5 Light >								
9 Save settings >								
	Save settings>			No, Yes		No		
	Last saved:							
	Date:			dd-mm-yyyy				
	Time:			hh:mm:ss				



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