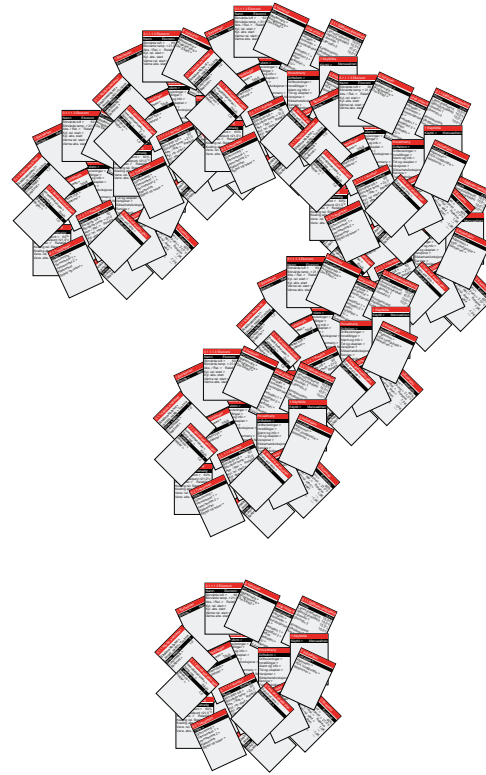


GB



EXact2 - HMI2-350-TOUCH menu guide

VEX200

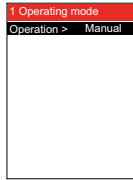
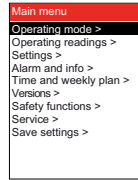
Software version:
AHUC: 3.11.1.0
HMI: 4.1.0.0

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 >
MXUJ
MXHP
Timers >
CO2/RH sensor >

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: <small>(+date)</small>	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 air (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			

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
2.3 MC parameters >								
	Supply air:							Menu shown if VEX unit has EC motors
	Maximum				1 RPM			
	Set point				1 RPM			
	Minimum				1 RPM			
	Extract air:							
	Maximum				1 RPM			
	Set point				1 RPM			
	Minimum				1 RPM			
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%			
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			
	Cooling coil exhaust				1 Pa			
	ALC-Pressure:							
	Extract air chamber				1 Pa			
	Supply air chamber				1 Pa			
	Differential pressure				1 Pa			

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
2.6 Heating coil > (HCW)								
	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			Off, On				
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 >								This menu display appears only if CH is selected in the menu "VEX configuration > Cooling Unit".
	Pressure of compressed gas				0.1 bar			
	Pressure of suction gas				0.1 bar			
	Temperature of compressed gas				0,1°C			
	Feed				0.1°C			
	Increased airflow			No, Yes				
	Balance							
	Reduction				1%			
	Block start			No, Yes				
	Rise in pressure drop							
	CH Size			40, 50, 60, 70, 80		Factory - set		

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
2.8 CCW >								This menu display appears only if CCW is selected in the menu "VEX configuration > Cooling Unit".
	Supply				0.1°C			
	Pump			Off, On				
2.9 CU cooling unit >								This menu display appears only if CU is selected in the menu "VEX configuration > Cooling Unit".
	Comp. gas temp.				0.1°C			
	Comp. gas pressure				0.1 bar			
	Evaporator temp.				0.1°C			
	Reduction				0.1%			
	Blocked start			Active / Inactive				
2.10 MXCU >								This menu display appears only if MXCU is selected in the menu "VEX configuration > Cooling Unit".
	Cooling unit			Off, On				
	Output				0.1%			
2.11 MXHP >								This menu appears if MXHP is selected in the menu "Accessories > Cooling Unit".
	MXHP Module			Off, On				
	Heating/cooling status				Heat./Cool.			
	Output				0.1%			
2.12 Hour counters >								
	Supply air motor			Timer	1 hr			
	Extract air motor			Timer	1 hr			
	Rotor			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
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3.1 Unit
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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: (+date)	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 >	(Temp. set point+0.5°C) – 35.0°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 >	1.0°C - (Temp. set point - 0.5°C)	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) – 35.0°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 >	1.0°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) – 35.0°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 >	1.0°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) – 35.0°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 >	1.0°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. >		VEX240: (Setp. min + 1) - 768l/s VEX250: (Setp. min + 1) - 1145l/s VEX260: (Setp. min + 1) - 1650l/s VEX270: (Setp. min + 1) - 2700l/s VEX280: (Setp. min + 1) - 5350l/s	1	VEX240: 650l/s VEX250: 930l/s VEX260: 1340l/s VEX270: 2125l/s VEX280: 3800l/s		Max. and min. limits are mutually dependent, i.e. minimum 1 l/s difference.
		Setp. min. >		VEX240: 0 - (Setp. max. -1)l/s VEX250: 0 - (Setp. max. -1)l/s VEX260: 0 - (Setp. max. -1)l/s VEX270: 0 - (Setp. max. -1)l/s VEX280: 0 - (Setp. max. -1)l/s	1	VEX240: 110l/s VEX250: 200l/s VEX260: 310l/s VEX270: 390l/s VEX280: 700l/s		
		Balance >		0.50–2.00	0.01	1.00		

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 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. >		VEX240: 0 - 768l/s VEX250: 0 - 1145l/s VEX260: 0 - 1650l/s VEX270: 0 - 2700l/s VEX280: 0 - 5350l/s		VEX240: 384l/s VEX250: 572l/s VEX260: 825l/s VEX270: 1350l/s VEX280: 2675l/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. >		VEX240: 0 - 768l/s VEX250: 0 - 1145l/s VEX260: 0 - 1650l/s VEX270: 0 - 2700l/s VEX280: 0 - 5350l/s		VEX240: 384l/s VEX250: 572l/s VEX260: 825l/s VEX270: 1350l/s VEX280: 2675l/s		
	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:						

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. 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:						
		MC. max. >		MC. min. - 10,0V	0.1V	10.0V		
		MC. min. >		0V - MC max.	0.1V	0, V		
		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		

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
			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 temperature >						
			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 >						

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
			Kp >	0.01–25.00	0.01	0.50		
			Ti >	1–25 s	1 s	10 s		
			Linearity >	0 - 65535	1	65535		
			Kp > (with ALC)	0.01 - 25,00	0.01	0,50		Should not be changed
			Ti > (with ALC)	1 - 25s	1s	20s		Should not be changed
			Linearity > (with ALC)	0-65535	1	5000		Should not be changed
			3.1.1.5.4 Extract airflow >					
			Kp >	0.01–25.00	0.01	0.50		
			Ti >	1–25 s	1 s	10 s		
			Linearity >	0 - 65535	1	65535		
			Kp > (with ALC)	0.01 - 25,00	0.01	0,50		Should not be changed
			Ti > (with ALC)	1 - 25s	1s	20s		Should not be changed
			Linearity > (with ALC)	0-65535	1	5000		Should not be changed
			3.1.1.5.5 Supply air pressure >					
			Kp >	0.01–25.00	0.01	1.00		
			Ti >	1–100 s	1 s	25 s		
			Linearity >	0 - 65535	1	65535		
			Kp > (with ALC)	0.01 - 25,0	0.1	0,50		Should not be changed
			Ti > (with ALC)	1 - 100s	1s	20s		Should not be changed
			Linearity > (with ALC)	0-65535	1	5000		Should not be changed
			3.1.1.5.6 Extract air pressure >					
			Kp >	0.01–25.00	0.01	1.00		
			Ti >	1–100 s	1 s	25 s		
			Linearity >	0 - 65535	1	65535		
			Kp > (with ALC)	0.01 - 25.00	0.01	0.50		Should not be changed
			Ti > (with ALC)	1 - 100s	1s	20s		Should not be changed
			Linearity > (with ALC)	0-65535	1	5000		Should not be changed

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
		3.1.1.5.7 Constant temperature >						
			Kp >	1.0–25.0	0.1	1.0		
			Ti >	10–250 s	1 s	20 s		
3.1.2 Air compensation >	3.1.2.1 CO₂ compensation >							
		Current level			1 ppm			
		Activated >		No, Yes		No		
		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. >							

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	
		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			
	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	0.1 K	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.		

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
	Extract air >			(Extract Warning) – 500 Pa	1 Pa	200 Pa		See Warning extract air.
3.1.5 Night-time cooling >								
	Operating period >			Summer, Always, None		None		
	Set point >			16 – 26°C	1°C	18°C		
	Min. supply air temp. >			5–15.0°C	1°C	10°C		
	ΔT max. >			(ΔTmin.+1K) – 10K	1 K	6 K		Dependent on: ΔTmax. always 1 K > ΔTmin.
	ΔT min. >			2K – (ΔTmax.-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 >								
	Supply air temp. limits							
	Minimum >			10.0–25.0°C	0.1 K	10.0°C		

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
	Maximum >			30.0–50.0°C	0.1 K	35.0°C		
	Room temp. limits							
	Minimum >			10.0°C – (Maximum-1°C)	0.1 K	10.0°C		
	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%		
	Cooling requirement:							
	Min. limit >			0.0 - 9.9V	0.1V	0.0V		

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: (+date)	NB
	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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3 Settings
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Configuration >
Accessories >
BMS >
Web server >
Backup/restore >

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 >			100, 200, 300		Factory-set		
	Size >			x40, x50, x60, x70, x80		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
	Ventilator placement >			1, 2		Factory-set		
	Direction >			Right, Left		Factory-set		Explanation, see VEX instructions
	Rotor type >			Cond., Hygro., Sorp.		Factory-set		<ul style="list-style-type: none"> • Cond.: condensation rotor, low-level humidity transfer. • Hygro.: Hygroscopic rotor, medium-level humidity transfer. • Sorb.: Sorption rotor, high-level humidity transfer.
	Purge sector >			Mech., None		Factory-set		Setting dependent on whether purge sector is fitted
3.4 Accessories >								
	Ice detection method			None				
	De-icing method			0	1	0		
	Heating coil >			None, MHCW, MHCE, IHCW		None		
	Cooling unit >			None, CU, CCW, MXCU, MXCU, CH		None		
	Power steps HCE >			1–4	1	1		Shown if HCE is selected for Heating coil in this menu
	Filter detect.			Timer, Pressure		Pressure		
	PIR >			Active, Inactive		Factory settings are dependent on the VEX configuration		
	TS >			TS Duct, TS Room, None		None		
	CO ₂ >			None, MIOCO ₂ , CO ₂ B, BMS		None		
	RH >			None, MIORH, RHB, BMS		None		
	Dining solution			No		No		
	AUX OUT setting >			1,2,3				

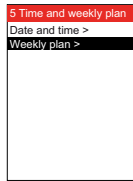
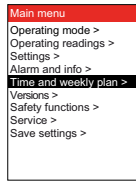
Menu 3 Settings >								
_menu	__menu	___menu	____menu	Possible settings/ reading	Resolution	Factory setting (If the field is greyed out, the value is restored if menu 3.2.3 is reset)	Setting changed: (+date)	NB
3.4.13 ALC >								
	ALC activated >			No, Yes		No		
	Setpoint low >			0-50 Pa	1 Pa	20 Pa		Should not be changed
	Setpoint high >			0-50 Pa	1 Pa	30 Pa		Should not be changed
	Extract air damper >							
		Min. opening >		5-90%	1%	10 %		Should not be changed
		Kp fast >		0.01-25.00	0.01	1.50		Should not be changed
		Ti fast >		1-1000s	1s	5 s		Should not be changed
		Kp slow >		0.01-25.00	0.01	0.01		Should not be changed
		Ti slow >		1-1000s	1s	300 s		Should not be changed
		Kp high >		0.01-25.00	0.01	1.00		Should not be changed
		Ti high >		1-1000 s	1s	100 s		Should not be changed
	Rotation control >							
		Min. air flow		0-32767 l/s	1 l/s	VEX240: 297 l/s VEX250: 379 l/s VEX260: 688 l/s VEX270: 1065 l/s VEX280: 1753 l/s		Should not be changed
3.5 BMS >								
	BMS >			None, Modbus, MTCP, MLON, BACnet MSTP, BACnet IP		None		
	3.5.2 Configuration >							Displayed when Modbus for BMS is selected.
		Address >						
		Baud rate >						
		Data bit						
		Parity >						
		Stop bit >						
		Flow control						
	3.5.2 Configuration >							Displayed when BACnet MSTP for BMS is selected.
		Device ID >						

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
		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

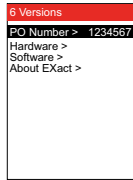
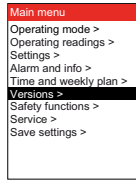
Menu 4 Alarm and info >								
_menu	__menu	___menu	____menu	Possible settings/ reading	Resolution	Factory setting <small>(If the field is greyed out, the value is restored if menu 3.2.3 is reset)</small>	Setting changed: (+date)	NB
Alarm >				No, Yes				
Warning >				No, Yes				
Information >				No, 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 <small>(If the field is greyed out, the value is restored if menu 3.2.3 is reset)</small>	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.		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 Weekend >						
			1 Indoor air quality level >		Inactive, OFF, Comfort, Standby, Economy.		Inactive		
			1 Time		--:--, 00:00 - 23:59	1 min.	--:--		
			Etc. ...						
		5.2.2 Changing > (Day)							

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
		5.2.2.1 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. ...					



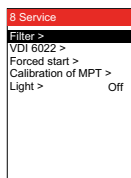
Menu 6 Versions >								
_menu	__menu	___menu	____menu	Possible settings/ reading	Resolution	Factory setting <small>(If the field is greyed out, the value is restored if menu 3.2.3 is reset)</small>	Setting changed: (+date)	NB
6.1 PO number >					1	Factory-set		
6.2 Hardware >								
	AHUC			PCBA nr. 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 features >								
_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 >			25–40°C	1°C	25°C		
	RPT-X fitted>			No, Yes		No		
	MVM/CP time >			5 min./∞		5 min.		
7.3 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 (If the field is greyed out, the value is restored if menu 3.2.3 is reset)	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.
8.2 VDI 6022 >								
	Light >			Off, On		Off		Switches off, extinguished automatically when menu exited.
	Filter pressure:							

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
	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 MC2			No, Yes				
8.3.2 Recovery >								
	Rotor motor			0–100%	1%	0%		
	Rotation control			0/1				
	Fault on unit			No, Yes				
8.3.3 Heating coil > (HCW)								
	HCW			0 – 100%	1%	0%		Shown if HCW is selected for heating coil in this menu.
	Fault on unit			No, Yes				
8.3.3 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				
8.3.3 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			
	Error on unit			No, Yes				
8.3.4 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					
	8.3.4 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					
	8.3.4 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		Cool. / Heat.		Cool.			
		CH Cooling unit		0 - 100%	1%	0%			
		Fault on unit		No, Yes					
	8.3.5 Dampers and relays >								
		LSF >		Off, On		Off			
		LSA >		Off, On		Off			
		RGS/AUX OUT >		Off, On		Off			
		Alarm relay >		Off, On		Off			
		VDI light >		Off, On		Off			
		LS ALC >		0-100%	1%	0%			
	8.3.6 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 >		Off, On		Off		
		EXEB relay 2 >		Off, On		Off		
		EXEB relay 3 >		Off, On		Off		
		EXEB relay 4 >		Off, On		Off		
		EXEB relay 5 >		Off, On		Off		
		EXEB relay 6 >		Off, On		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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