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Modbus Registers IQC version 1.4

Index

Version history

Version	Date	Author	Changes	IQC Ver.
1.0	2019-10-10	FROS	Initial version 1.0.	1.00 - 1.04
1.1	2019-10-14	FROS	New added register. Restructured Holding register.	1.06 - 1.06j
1.2	2020-06-15	FROS	"Added new registers for new functions in 1.08 4x00032-33: Separate forced fan speed 4x00045: Individual pump alarms 4x00095-98: Duct pressure sensor settings Clarified description of the registers 4x00140-391"	1.08 - 1.08c
1.3	2022-11-08	FROS	"Added new registers for new functions in 1.09h 4x00007-10, 00114-118, 00122-127, 00132-137: CAV and VAV 4x00042-43: Filter monitor limits 4x00099-108: Flow- and Filter pressure sensor settings"	1.09f - 1.09h
1.4	2023-05-10	FROS	Added new registers for new functions in 1.10	1.10 -

Coil status - Discrete Output (1bit) R/W

Application control registers

Modbus	Register Name	Description
0x00001	Unit on	
0x00002	Overpressure mode	
0x00003	Boost mode	
0x00004	Away mode	
0x00005	Clear Alarms	Write 1 to clear alarm, reads always 0
0x00006	Reset filter timer	Write 1 to reset filter timer, reads always 0
0x00007	Extended operation	(and wake up from scheduled standby)

Input status - Discrete Input (1bit) Read only

Switch input registers

Modbus	Register Name	Description
1x00001	Fire alarm input	D1
1x00002	Boost input	D2
1x00003	Overpressure input	D3
1x00004	Extended operation input	D4
1x00005	Away input	D5
1x00006	Filter input	D6
1x00007	Heater interlock	D7
1x00008	External Summer/Winter changeover	D8
1x00009	Emergency/Service Stop	D9

Alarm registers

Modbus	Register Name	Description
1x00010	Fire alarm	
1x00011	Rotor alarm	
1x00012	RFU	Readable, value has no meaning
1x00013	Freeze alarm	
1x00014	Low supply alarm	
1x00015	Low rotor temperature alarm	
1x00016	RFU	Readable, value has no meaning
1x00017	RFU	Readable, value has no meaning
1x00018	Temp. sensor open circuit alarm	
1x00019	Temp. sensor short circuit alarm	
1x00020	Pulser alarm	
1x00021	Supply fan alarm	
1x00022	Exhaust fan alarm	
1x00023	Supply filter alarm	
1x00024	Exhaust filter alarm	
1x00025	Filter timer alarm	
1x00026	Freeze protection B level	
1x00027	Freeze protection A level	
1x00028	Startup 1st phase	Damper open, exhaust fan running.
1x00029	Startup 2st phase	Supply fan running, temperature regulation start
1x00030	Heating	
1x00031	Recovery heat/cold	
1x00032	Cooling	
1x00033	CO2 boost	0 = Off 1 = Running
1x00034	RH boost	0 = Off 1 = Running
1x00035	Pump alarm - heating	X4 DI
1x00036	Pump alarm - cooling	X13 DI
1x00037	SNC Active	0 = Off 1 = Running
1x00038	VOC boost	0 = Off 1 = Running
1x00039	RFU	Readable, value has no meaning
1x00040	RFU	Readable, value has no meaning
1x00041	RFU	Readable, value has no meaning
1x00042	RFU	Readable, value has no meaning
1x00043	RFU	Readable, value has no meaning
1x00044	RFU	Readable, value has no meaning
1x00045	RFU	Readable, value has no meaning
1x00046	Pressure deviation alarm - Supply	
1x00047	Pressure deviation alarm - Extract	
1x00048	RFU	Readable, value has no meaning
1x00049	RFU	Readable, value has no meaning
1x00050	RFU	Readable, value has no meaning
1x00051	RFU	Readable, value has no meaning
1x00052	RFU	Readable, value has no meaning
1x00053	Lost com.	Mini expansion
1x00054	RFU	Readable, value has no meaning

[1] Active alarm in display

[2] Operation status

Input register - 16 bit integer register Read only

Common Identity register

Modbus	Register Name	Min	Max	Unit	Description
3x00001	Component ID				Always 10

Application control registers

Modbus	Register Name	Min	Max	Unit	Description
3x00002	Outdoor temperature (unit)				
3x00003	Supply air temperature (unit/duct)				
3x00004	Extract air temperature (unit)				
3x00005	Exhaust air temperature (unit)				
3x00006	Water temperature (coil)				
3x00007	Heat recovery temperature (unit)				
3x00008	Room temperature				
3x00009	RFU				Readable, value has no meaning
3x00010	RFU				Readable, value has no meaning
3x00011	RFU				Readable, value has no meaning
3x00012	Supply pressure - duct (GP1)			Pa	ska inte vara x0.1Pa, bumpas med x10
3x00013	Extract pressure - duct (GP2)			Pa	ska inte vara x0.1Pa, bumpas med x10
3x00014	RFU				Readable, value has no meaning
3x00015	RFU				Readable, value has no meaning
3x00016	RFU				Readable, value has no meaning
3x00017	RFU				Readable, value has no meaning
3x00018	Sensors open				Bit mask. Bit is set if sensor is required and open circuit. See also Sensors shorted.
3x00019	Sensors shorted				Bit mask. Bit is set if sensor is required and shorted. Bit0 = T1 … Bit6 = T7.
3x00020	Filter days left				Number of days to filter change.
3x00021	Current weektimer program	0	5		0 = none, 1-5 = program 1-5
3x00022	RFU				Readable, value has no meaning
3x00023	Current supply fan step	0	3		0 = Off, 1 = Min, 2 = Std, 3 = Max
3x00024	Current exhaust fan step	0	3		0 = Off, 1 = Min, 2 = Std, 3 = Max
3x00025	Current supply fan power			%	
3x00026	Current exhaust fan power			%	
3x00027	Current supply fan speed			RPM	
3x00028	Current exhaust fan speed			RPM	
3x00029	Current heating power	0	255		255 = 100%
3x00030	Current heat/cold recovery power	0	255		255 = 100%
3x00031	Current cooling power	0	255		255 = 100%
3x00032	Supply fan control voltage	0	100	x0.1V	
3x00033	Exhaust fan control voltage	0	100	x0.1V	
3x00034	Changeover active	0	1		0 = Off, 1 = On
…					
3x00041	Quality sensor 1 - type				0 = None, 1 = RH, 2 = CO2, 3 = VOC
3x00042	Quality sensor 1 - value				"RH: 0-10V=0-100 (%) CO2: 0-10V=0-2000 (PPM) VOC: 0-10V=0-2000 (PPM)"
3x00043	Quality sensor 2 - type				0 = None, 1 = RH, 2 = CO2, 3 = VOC
3x00044	Quality sensor 2 - value				RH: 0-10V=0-100 (%) CO2: 0-10V=0-2000 (PPM) VOC: 0-10V=0-2000 (PPM)
3x00045	Quality sensor 3 - type				0 = None, 1 = RH, 2 = CO2, 3 = VOC
3x00046	Quality sensor 3 - value				RH: 0-10V=0-100 (%) CO2: 0-10V=0-2000 (PPM) VOC: 0-10V=0-2000 (PPM)

Holding register - 16 bit integer register R/W (p. 1/4)

Application control registers

Modbus	Register Name	Min	Max	Unit	Description
4x00001	Temperature setpoint (economy)	15	39*	°C	* Comfort setpoint -1
4x00002	Temperature setpoint (comfort)	15	40*	°C	* or maxlimit (ref. to 4x00048)
4x00003	Supply fan speed, EC	0	100	%	Read only when Fan Reg. Type CPC is used
4x00004	Exhaust fan speed, EC	0	100	%	Read only when Fan Reg. Type CPC is used
4x00005	Min exhaust fan speed, EC	0	100	%	
4x00006	Max exhaust fan speed, EC	0	100	%	
4x00007	Std supply fan airflow setpoint	0	9999	l/s	Only for regulation type CAV
4x00008	Std exhaust fan airflow setpoint	0	9999	l/s	Only for regulation type CAV
4x00009	Min exhaust fan airflow setpoint	0	*	l/s	"Only for regulation type CAV * Std exhaust fan airflow setpoint -1"
4x00010	Max exhaust fan airflow setpoint	*	9999	l/s	"Only for regulation type CAV * Std exhaust fan airflow setpoint +1"
4x00011	RFU				Readable, value has no meaning
4x00012	Temperature regulation mode	0	4		"0: Supply, 1: Extract, 2: Room, 3: Extract S/W, 4: Room S/W"
4x00013	Min supply temperature	15	19	°C	Used when Extraxt or Room regulation is set.
4x00014	Max supply temperature	20	40	°C	
4x00015	Supply cold limit A	2	10	°C	
4x00016	Supply cold limit B	5	12	°C	Must be greater than limit A above.
4x00017	Freeze protection limit	5	10	°C	
4x00018	RFU				Readable, value has no meaning
4x00019	SNC enabled	0	1		0 = no, 1 = yes
4x00020	SNC indoor-outdoor diff. limit	10	100	0.1°C	
4x00021	SNC exhaust high limit	18	24	°C	
4x00022	SNC exhaust low limit	19	26	°C	
4x00023	Standby temp evaluation enabled	0	1		0 = no, 1 = yes
4x00024	Interval	1	4	h	
4x00025	Evaluation time	5	15	min	
4x00026	Min. operating time	30	120	min	
4x00027	Boost duration	10	240	min	
4x00028	Overpressure duration	10	60	min	
4x00029	Overpressure offset	5	*	%	*Max value of diff. between EC Min and EC Max
4x00030	Fire sensor type	0	2		"0: None, 1: Normally open (NO), 2: Normally closed (NC)"
4x00031	Fire mode	0	3		"0: Fans off, 1: Exhaust fan only, 2: Supply fan only, 3: Both fans"
4x00032	Forced fanspeed - Supply	20	100	%	Only used when 4x00031 > 0
4x00033	Forced fanspeed - Exhaust	20	100	%	
4x00034	RFU				Readable, value has no meaning
4x00035	RFU				Readable, value has no meaning
4x00036	RFU				Readable, value has no meaning
4x00037	Filter measurement, weekday	0	6		0 = Monday, 1 = Tuesday … 6 = Sunday.
4x00038	Filter measurement, hour	0	23	h	
4x00039	Filter measurement, minute	0	59	min	
4x00040	Filter speed increase	5	50	%pts	5 to 50 = allowed power increase in %-units. Writing 5 or less equals 5.
4x00041	Filter measurement mode	0	2		0 = Off, 1 = Switch, 2 = Speed inc.
4x00042	Supply filter - Final pressure diff.	20	500	Pa	

4x00043	Extract filter - Final pressure diff.	20	500	Pa	
4x00044	Filter change period	6	12	month	Filter timer in months. 0 = off, 6-12 time in months (30 days). Writing 5 or less equals 6.
4x00045	Alarm classes	0	65535		"Bit mask: (0=A, 1=B) bit 0: - Not used - bit 1: Sensor open bit 2: Sensor shorted bit 3: Overheat protection bit 4: - Not used - bit 5: Supply temperature low bit 6: Rotor temperature low bit 7: Fan failure bit 8: Heat exchanger bit 9: Duct pressure deviation bit 10: Pump alarm - Heating coil bit 11: Pump alarm - Cooler coil bit 12: Filter bit 13: Filter timer"
4x00046	RFU				Readable, value has no meaning
4x00047	RFU				Readable, value has no meaning
4x00048	Setpoint max limit (Comfort)	15	40	°C	Maximum selectable temperature setpoint.
4x00049	Eco. setpoint enabled	0	1		0 = no, 1 = yes
4x00050	RFU				Readable, value has no meaning
4x00051	RFU				Readable, value has no meaning
4x00052	Changeover type	1	3		0 = Temperature, 1 = Date, 2 = External input
4x00053	Supply temperature offset	-10	10	K	
4x00054	Winter start	-40	40	°C	
4x00055	Summer start	-40	40	°C	
4x00056	Time constant	0	1000	h	
4x00057	Winter start date				1102 = 2 Nov, 930 = 30 Sep
4x00058	Summer start date				1102 = 2 Nov, 930 = 30 Sep
4x00059	RFU				Readable, value has no meaning
4x00060	RFU				Readable, value has no meaning
4x00061	Flow direction	0	1		0 = standard, 1 = opposite
4x00062	Damper opening time	30	120	sec	
4x00063	Preheater type	0	1		0 = None, 1 = Electric
4x00064	Preheater enabled	0	1		0 = no, 1 = yes
4x00065	Preheater temperature set-point	-40	40	°C	
4x00066	Heater type	0	2		0 = None, 1 = Water, 2 = Electric
4x00067	Heater enabled	0	1		0 = no, 1 = yes
4x00068	Cooler type	0	1		0 = None, 1 = Water
4x00069	Cooler enabled	0	1		0 = no, 1 = yes
4x00070	RFU				Readable, value has no meaning
4x00071	RFU				Readable, value has no meaning
4x00072	RFU				Readable, value has no meaning
4x00073	RFU				Readable, value has no meaning
4x00074	RFU				Readable, value has no meaning
4x00075	RFU				Readable, value has no meaning
4x00076	RFU				Readable, value has no meaning
4x00077	RFU				Readable, value has no meaning
4x00078	RFU				Readable, value has no meaning
4x00079	RFU				Readable, value has no meaning
4x00080	RFU				Readable, value has no meaning

4x00081	Temp.sensor 1 calibration	-50	50	x0.1°C	Sensor calibration offset
4x00082	Temp.sensor 2 calibration	-50	50	x0.1°C	Sensor calibration offset
4x00083	Temp.sensor 3 calibration	-50	50	x0.1°C	Sensor calibration offset
4x00084	Temp.sensor 4 calibration	-50	50	x0.1°C	Sensor calibration offset
4x00085	Temp.sensor 5 calibration	-50	50	x0.1°C	Sensor calibration offset
4x00086	Temp.sensor 6 calibration	-50	50	x0.1°C	Sensor calibration offset
4x00087	Temp.sensor 7 calibration	-50	50	x0.1°C	Sensor calibration offset
4x00088	RFU				Readable, value has no meaning
4x00089	RFU				Readable, value has no meaning
4x00090	RFU				Readable, value has no meaning
4x00091	Quality sensor 1 limit				"RH: 0-100 (%) CO2: 0-2000 (PPM) VOC: 0-2000 (PPM)"
4x00092	RFU				
4x00093	RFU				
4x00094	RFU				Readable, value has no meaning
4x00095	Duct sensor type	0	1		0 = None, 1 = 0-10V, 2 = Modbus
4x00096	Function	0			0 = Individual (always)
4x00097	"Duct sensor - pressure range (only for 0-10V)"	0	10		"1 = 0..100 Pa, 2 = 0..250 Pa, 3 = 0..300 Pa, 4 = 0..500 Pa, 5 = 0..700 Pa, 6 = 0..1000 Pa, 7 = 0..1250 Pa, 8 = 0..1500 Pa, 9 = 0..2000 Pa, 10 = 0..2500 Pa"
4x00098	Model (only for Modbus)	0	1		0 = QBM 68.2525
4x00099	Flow sensor type	0	1		0 = None, 1 = 0-10V, 2 = Modbus
4x00100	Function	0	1		0 = Individual, 1 = Combined
4x00101	"Flow sensor - pressure range (only for 0-10V)"	0	10		"1 = 0..100 Pa, 2 = 0..250 Pa, 3 = 0..300 Pa, 4 = 0..500 Pa, 5 = 0..700 Pa, 6 = 0..1000 Pa, 7 = 0..1250 Pa, 8 = 0..1500 Pa, 9 = 0..2000 Pa, 10 = 0..2500 Pa"
4x00102	Model (only for Modbus)	0	2		0 = QBM 68.2525
4x00103	K-factor Supply			x100	
4x00104	K-factor Exhaust			x100	
4x00105	Filter sensor type	0	1		0 = None, 1 = 0-10V, 2 = Modbus
4x00106	Function	0	1		0 = Individual, 1 = Combined
4x00107	"Filter sensor - pressure range (only for 0-10V)"	0	10		"1 = 0..100 Pa, 2 = 0..250 Pa, 3 = 0..300 Pa, 4 = 0..500 Pa, 5 = 0..700 Pa, 6 = 0..1000 Pa, 7 = 0..1250 Pa, 8 = 0..1500 Pa, 9 = 0..2000 Pa, 10 = 0..2500 Pa"
4x00108	Model (only for Modbus)	0	1		0 = QBM 68.2525
4x00109	RFU				Readable, value has no meaning
4x00110	Supply setpoint (%)	10	100	%	For fan regulation type: %
4x00111	Exhaust setpoint (%)	10	100	%	
4x00112	Supply setpoint (Pa)	0	999	Pa	For fan regulation type: CPC
4x00113	Exhaust setpoint (Pa)	0	999	Pa	
4x00114	Supply setpoint (l/s)	0	9999	l/s	For fan regulation type: CAV, VAV
4x00115	Exhaust setpoint (l/s)	0	9999	l/s	
4x00116	Supply offset	-999	999	l/s	For fan regulation type: VAV
4x00117	Exhaust offset	-999	999	l/s	

4x00118	Exhaust Startup Setpoint	0	9999	l/s	For fan regulation type: VAV (Exhaust Fan Slave)
4x00119	RFU				Readable, value has no meaning
4x00120	Supply setpoint (%)	0	100	%	For fan regulation type: %
4x00121	Exhaust setpoint (%)	0	100	%	
4x00122	Supply setpoint (Pa)	0	999	Pa	For fan regulation type: VAV
4x00123	Exhaust setpoint (Pa)	0	999	Pa	
4x00124	Supply setpoint (l/s)	0	9999	l/s	For fan regulation type: CAV, VAV
4x00125	Exhaust setpoint (l/s)	0	9999	l/s	
4x00126	Supply offset	-999	999	l/s	For fan regulation type: VAV
4x00127	Exhaust offset	-999	999	l/s	
4x00128	RFU				Readable, value has no meaning
4x00129	RFU				Readable, value has no meaning
4x00130	Supply setpoint (%)	0	100	%	For fan regulation type: %
4x00131	Exhaust setpoint (%)	0	100	%	
4x00132	Supply setpoint (Pa)	0	999	Pa	For fan regulation type: VAV
4x00133	Exhaust setpoint (Pa)	0	999	Pa	
4x00134	Supply setpoint (l/s)	0	9999	l/s	For fan regulation type: CAV, VAV
4x00135	Exhaust setpoint (l/s)	0	9999	l/s	
4x00136	Supply offset	-999	999	l/s	For fan regulation type: VAV
4x00137	Exhaust offset	-999	999	l/s	
...					
4x00140	Week shedule enabled	0	1		0 = No, 1 = Yes. (master for toggle all programs off)
4x00141	WS1 On hour	0	23		
4x00142	WS1 On minute	0	59		
4x00143	WS1 Off hour	0	23		
4x00144	WS1 Off minute	0	59		
4x00145	WS1 Weekdays	0	127		Bit mask: bit 0 = Monday, bit 6 = Sunday.
4x00146	WS1 Temp.mode	0	1		0 = Comfort, 1 = Economy
4x00147	WS1 Fan speed	1	4		0 = Standby, 1 = Min, 2 = Std, 3 = Max
4x00148	WS1 Program enabled	0	1		0 = Disabled, 1 = Enabled
4x00149	RFU				Readable, value has no meaning
4x00150	RFU				Readable, value has no meaning
4x00151	WS2 On hour	0	23		
4x00152	WS2 On minute	0	59		
4x00153	WS2 Off hour	0	23		
4x00154	WS2 Off minute	0	59		
4x00155	WS2 Weekdays	0	127		Bit mask: bit 0 = Monday, bit 6 = Sunday.
4x00156	WS2 Temp.mode	0	1		0 = Comfort, 1 = Economy
4x00157	WS2 Fan speed	1	4		0 = Standby, 1 = Min, 2 = Std, 3 = Max
4x00158	WS2 Program enabled	0	1		0 = Disabled, 1 = Enabled
4x00159	RFU				Readable, value has no meaning
4x00160	RFU				Readable, value has no meaning
4x00161	WS3 On hour	0	23		
4x00162	WS3 On minute	0	59		
4x00163	WS3 Off hour	0	23		
4x00164	WS3 Off minute	0	59		
4x00165	WS3 Weekdays	0	127		Bit mask: bit 0 = Monday, bit 6 = Sunday.
4x00166	WS3 Temp.mode	0	1		0 = Comfort, 1 = Economy
4x00167	WS3 Fan speed	1	4		0 = Standby, 1 = Min, 2 = Std, 3 = Max
4x00168	WS3 Program enabled	0	1		0 = Disabled, 1 = Enabled
4x00169	RFU				Readable, value has no meaning

4x00170	RFU				Readable, value has no meaning
4x00171	WS4 On hour	0	23		
4x00172	WS4 On minute	0	59		
4x00173	WS4 Off hour	0	23		
4x00174	WS4 Off minute	0	59		
4x00175	WS4 Weekdays	0	127		Bit mask: bit 0 = Monday, bit 6 = Sunday.
4x00176	WS4 Temp.mode	0	1		0 = Comfort, 1 = Economy
4x00177	WS4 Fan speed	1	4		0 = Standby, 1 = Min, 2 = Std, 3 = Max
4x00178	WS4 Program enabled	0	1		0 = Disabled, 1 = Enabled
4x00179	RFU				Readable, value has no meaning
4x00180	RFU				Readable, value has no meaning
4x00181	WS5 On hour	0	23		
4x00182	WS5 On minute	0	59		
4x00183	WS5 Off hour	0	23		
4x00184	WS5 Off minute	0	59		
4x00185	WS5 Weekdays	0	127		Bit mask: bit 0 = Monday, bit 6 = Sunday.
4x00186	WS5 Temp.mode	0	1		0 = Comfort, 1 = Economy
4x00187	WS5 Fan speed	1	4		0 = Standby, 1 = Min, 2 = Std, 3 = Max
4x00188	WS5 Program enabled	0	1		0 = Disabled, 1 = Enabled
...					
4x00200	Holiday shedule enabled	0	1		0 = No, 1 = Yes. (master for toggle all programs off)
4x00201	HS1 Start year				e.g.2019
4x00202	HS1 Start date				1102 = 2 Nov, 930 = 30 Sep
4x00203	HS1 Start hour	0	23		
4x00204	HS1 Start minute	0	59		
4x00205	HS1 End year				
4x00206	HS1 End date				
4x00207	HS1 End hour	0	23		
4x00208	HS1 End minute	0	59		
4x00209	HS1 Temp.mode	0	1		0 = Comfort, 1 = Economy
4x00210	HS1 Fanspeed	1	4		0 = Standby, 1 = Min, 2 = Std, 3 = Max
4x00211	HS1 Program enabled	0	1		Bit mask: B0 (1 = On)
...					
4x00221	HS2 Start year				e.g.2019
4x00222	HS2 Start date				1102 = 2 Nov, 930 = 30 Sep
4x00223	HS2 Start hour	0	23		
4x00224	HS2 Start minute	0	59		
4x00225	HS2 End year				
4x00226	HS2 End date				
4x00227	HS2 End hour	0	23		
4x00228	HS2 End minute	0	59		
4x00229	HS2 Temp.mode	0	1		0 = Comfort, 1 = Economy
4x00230	HS2 Fanspeed	1	4		0 = Standby, 1 = Min, 2 = Std, 3 = Max
4x00231	HS2 Program enabled	0	1		Bit mask: B0 (1 = On)
...					
4x00241	HS3 Start year				e.g.2019
4x00242	HS3 Start date				1102 = 2 Nov, 930 = 30 Sep
4x00243	HS3 Start hour	0	23		
4x00244	HS3 Start minute	0	59		
4x00245	HS3 End year				
4x00246	HS3 End date				

4x00247	HS3 End hour	0	23		
4x00248	HS3 End minute	0	59		
4x00249	HS3 Temp.mode	0	1		0 = Comfort, 1 = Economy
4x00250	HS3 Fanspeed	1	4		0 = Standby, 1 = Min, 2 = Std, 3 = Max
4x00251	HS3 Program enabled	0	1		Bit mask: B0 (1 = On)
...					
4x00261	HS4 Start year				e.g.2019
4x00262	HS4 Start date				1102 = 2 Nov, 930 = 30 Sep
4x00263	HS4 Start hour	0	23		
4x00264	HS4 Start minute	0	59		
4x00265	HS4 End year				
4x00266	HS4 End date				
4x00267	HS4 End hour	0	23		
4x00268	HS4 End minute	0	59		
4x00269	HS4 Temp.mode	0	1		0 = Comfort, 1 = Economy
4x00270	HS4 Fanspeed	1	4		0 = Standby, 1 = Min, 2 = Std, 3 = Max
4x00271	HS4 Program enabled	0	1		Bit mask: B0 (1 = On)
...					
4x00281	HS5 Start year				e.g.2019
4x00282	HS5 Start date				1102 = 2 Nov, 930 = 30 Sep
4x00283	HS5 Start hour	0	23		
4x00284	HS5 Start minute	0	59		
4x00285	HS5 End year				
4x00286	HS5 End date				
4x00287	HS5 End hour	0	23		
4x00288	HS5 End minute	0	59		
4x00289	HS5 Temp.mode	0	1		0 = Comfort, 1 = Economy
4x00290	HS5 Fanspeed	1	4		0 = Standby, 1 = Min, 2 = Std, 3 = Max
4x00291	HS5 Program enabled	0	1		Bit mask: B0 (1 = On)
...					
4x00301	HS6 Start year				e.g.2019
4x00302	HS6 Start date				1102 = 2 Nov, 930 = 30 Sep
4x00303	HS6 Start hour	0	23		
4x00304	HS6 Start minute	0	59		
4x00305	HS6 End year				
4x00306	HS6 End date				
4x00307	HS6 End hour	0	23		
4x00308	HS6 End minute	0	59		
4x00309	HS6 Temp.mode	0	1		0 = Comfort, 1 = Economy
4x00310	HS6 Fanspeed	1	4		0 = Standby, 1 = Min, 2 = Std, 3 = Max
4x00311	HS6 Program enabled	0	1		Bit mask: B0 (1 = On)
...					
4x00321	HS7 Start year				e.g.2019
4x00322	HS7 Start date				1102 = 2 Nov, 930 = 30 Sep
4x00323	HS7 Start hour	0	23		
4x00324	HS7 Start minute	0	59		
4x00325	HS7 End year				
4x00326	HS7 End date				
4x00327	HS7 End hour	0	23		
4x00328	HS7 End minute	0	59		
4x00329	HS7 Temp.mode	0	1		0 = Comfort, 1 = Economy

4x00330	HS7 Fanspeed	1	4		0 = Standby, 1 = Min, 2 = Std, 3 = Max
4x00331	HS7 Program enabled	0	1		Bit mask: B0 (1 = On)
...					
4x00341	HS8 Start year				e.g.2019
4x00342	HS8 Start date				1102 = 2 Nov, 930 = 30 Sep
4x00343	HS8 Start hour	0	23		
4x00344	HS8 Start minute	0	59		
4x00345	HS8 End year				
4x00346	HS8 End date				
4x00347	HS8 End hour	0	23		
4x00348	HS8 End minute	0	59		
4x00349	HS8 Temp.mode	0	1		0 = Comfort, 1 = Economy
4x00350	HS8 Fanspeed	1	4		0 = Standby, 1 = Min, 2 = Std, 3 = Max
4x00351	HS8 Program enabled	0	1		Bit mask: B0 (1 = On)
...					
4x00361	HS9 Start year				e.g.2019
4x00362	HS9 Start date				1102 = 2 Nov, 930 = 30 Sep
4x00363	HS9 Start hour	0	23		
4x00364	HS9 Start minute	0	59		
4x00365	HS9 End year				
4x00366	HS9 End date				
4x00367	HS9 End hour	0	23		
4x00368	HS9 End minute	0	59		
4x00369	HS9 Temp.mode	0	1		0 = Comfort, 1 = Economy
4x00370	HS9 Fanspeed	1	4		0 = Standby, 1 = Min, 2 = Std, 3 = Max
4x00371	HS9 Program enabled	0	1		Bit mask: B0 (1 = On)
...					
4x00381	HS10 Start year				e.g.2019
4x00382	HS10 Start date				1102 = 2 Nov, 930 = 30 Sep
4x00383	HS10 Start hour	0	23		
4x00384	HS10 B253Start minute	0	59		
4x00385	HS10 End year				
4x00386	HS10 End date				
4x00387	HS10 End hour	0	23		
4x00388	HS10 End minute	0	59		
4x00389	HS10 Temp.mode	0	1		0 = Comfort, 1 = Economy
4x00390	HS10 Fanspeed	1	4		0 = Standby, 1 = Min, 2 = Std, 3 = Max
4x00391	HS10 Program enabled	0	1		Bit mask: B0 (1 = On)
...					
4x00400	Year				
4x00401	Month	1	12		
4x00402	Day (in month)	1	31		Reading this copies time to read/write buffer.
4x00403	Clock, Hours	0	23		
4x00404	Clock, Minutes	0	59		
4x00405	Clock, Seconds	0	59		Writing this writes time from read/write buffer
...					

4x00901	Modbus-adress	1	255		ID
4x00902	Baudrate	0	7		"0 = 9600, 1 = 14400, 2 = 19200, 3 = 28800, 4 = 38400, 5 = 57600, 6 = 115200, 7 = 230400"
4x00903	Stopbit				0 = Auto, 1 = 1bit, 2 = 2bits
4x00904	Parity				0 = None, 1 = Odd, 2 = Even
...					
4x00901	Modbus-adress	1	255		
4x00902	Baudrate	0	7		0 = 9600, 1 = 14400, 2 = 19200, 3 = 28800, 4 = 38400, 5 = 57600, 6 = 115200, 7 = 230400
4x00903	Stopbit				
4x00904	Parity				
...					
4x00920	Exhaust Fan PID, Proportional	0	1000		
4x00921	Exhaust Fan PID, Integral	0	1000		
4x00922	Exhaust Fan PID, Derivative	0	1000		
4x00923	Supply Fan PID, Proportional	0	1000		
4x00924	Supply Fan PID, Integral	0	1000		
4x00925	Supply Fan PID, Derivative	0	1000		
4x00926	Heating PID, Proportional	0	1000		
4x00927	Heating PID, Integral	0	1000		
4x00928	Heating PID, Derivative	0	1000		
4x00929	Recovery PID, Proportional	0	1000		
4x00930	Recovery PID, Integral	0	1000		
4x00931	Recovery PID, Derivative	0	1000		
4x00932	Cooling PID, Proportional	0	1000		
4x00933	Cooling PID, Integral	0	1000		
4x00934	Cooling PID, Derivative	0	1000		
4x00935	Room PID, Proportional	0	1000		
4x00936	Room PID, Integral	0	1000		
4x00937	Room PID, Derivative	0	1000		
4x00938	Rh PID, Proportional	0	1000		
4x00939	Rh PID, Integral	0	1000		
4x00940	Rh PID, Derivative	0	1000		
4x00941	CO2 PID, Proportional	0	1000		
4x00942	CO2 PID, Integral	0	1000		
4x00943	CO2 PID, Derivative	0	1000		
4x00944	VOC PID, Proportional	0	1000		
4x00945	VOC PID, Integral	0	1000		
4x00946	VOC PID, Derivative	0	1000		
*	For units with pressure outlets				