

Analog variables								
MODBUS REGISTERS ADDRESS	MODBUS REGISTERS ADDRESS	BMS Address	Variable name	Description	Read/Wr ite	Min	Max	UOM
40002	2	1	Bms_Ain_1	Analogic input 1 by supervisor	R/W	-99.9	99.9	---
40003	3	2	Bms_Ain_2	Analogic input 2 by supervisor	R/W	-99.9	99.9	---
40004	4	3	Bms_Ain_3	Analogic input 3 by supervisor	R/W	-99.9	99.9	---
40005	5	4	Bms_Ain_4	Analogic input 4 by supervisor	R/W	-99.9	99.9	---
40006	6	5	unused_Dont_Delete_5		R/W	-3276.8	3276.7	---
40007	7	6	unused_Dont_Delete_6		R/W	-3276.8	3276.7	---
40008	8	7	unused_Dont_Delete_7		R/W	-3276.8	3276.7	---
40009	9	8	unused_Dont_Delete_8		R/W	-3276.8	3276.7	---
40010	10	9	unused_Dont_Delete_9		R/W	-3276.8	3276.7	---
30011	11	10	Supply_Temp	Supply temperature	R	-99.9	99.9	°C
30012	12	11	Return_Temp	Return temperature	R	-99.9	3276.7	°C
30013	13	12	Room_Temp	Room temperature	R	-99.9	99.9	°C
30014	14	13	Supply_Humid	Supply humidity	R	0	99.9	%rH
30015	15	14	Return_Humid	Return humidity	R	0	99.9	%rH
30016	16	15	Room_Humid	Room humidity	R	0	99.9	%rH
30017	17	16	External_Temp	External temperature	R	-99.9	3276.7	°C
30018	18	17	External_Humid	External humidity	R	0	99.9	%rH
30019	19	18	Freeze_Temp	Freeze temperature	R	-99.9	99.9	°C
30020	20	19	Saturation_Temp	Saturation temperature	R	-99.9	99.9	°C
30021	21	20	Exhaust_Temp	Exhaust temperature	R	-99.9	99.9	°C
30022	22	21	Air_Quality_VOC	VOC air quality	R	0	100	%
30023	23	22	Cool_Coil_Temp	Cool or cool/heat water temperature	R	-99.9	99.9	°C
30024	24	23	PreHeat_Coil_Temp	Pre-Heat coil water temperature	R	-99.9	99.9	°C
30025	25	24	PostHeat_Coil_Temp	Re-Heat coil water temperature	R	-99.9	99.9	°C
30026	26	25	Temp_Setp_Offset	Setpoint offset	R	-99.9	99.9	°C
30027	27	26	Auxiliary_1	Auxiliary 1	R	-3200	3200	---
30028	28	27	Auxiliary_2	Auxiliary 2	R	-3200	3200	---
30029	29	28	Auxiliary_3	Auxiliary 3	R	-3200	3200	---
30030	30	29	Auxiliary_4	Auxiliary 4	R	-3200	3200	---
30031	31	30	Supply_Enth	Supply enthalpy	R	0	999.9	kJ/kg
30032	32	31	Return_Enth	Return enthalpy	R	0	999.9	kJ/kg
30033	33	32	Room_Enth	Room enthalpy	R	0	999.9	kJ/kg
30034	34	33	External_Enth	External enthalpy	R	0	999.9	kJ/kg
30035	35	34	Setp_Enth	enthalpy setpoint	R	0	999.9	kJ/kg
30036	36	35	Mod_Supply_Fan	Supply fan modulate output	R	0	100	%
30037	37	36	Mod_Return_Fan	Return fan modulate output	R	0	100	%
30038	38	37	Mod_Exhaust_Damper	Exhaust damper modulate output	R	0	100	%
30039	39	38	Mod_External_Damper	External damper modulate output	R	0	100	%
30040	40	39	Mod_ByPass_Damper	ByPass damper modulate output	R	0	100	%
30041	41	40	Mod_Mixing_Damper	Mixing damper modulate output	R	0	100	%
30042	42	41	Mod_Humidifier	Humidifier modulate output	R	0	100	%
30043	43	42	Mod_PostH_Heater_Inv	Re-Heat Heater inverter output	R	0	999.9	%
30044	44	43	Mod_PreH_Heater_Inv	Heater inverter output	R	0	999.9	%
30045	45	44	Mod_Rotary_Recovery	Rotary recovery modulate output	R	0	100	%
30046	46	45	Mod_Valve_cool	Cool or Cool/Heat valve modulate output	R	0	100	%
30047	47	46	Mod_Valve_PostHeat	Re-Heat valve modulate output	R	0	100	%
30048	48	47	Mod_Valve_PreHeat	Pre-Heat valve modulate output	R	0	100	%
30049	49	48	Mod_Auxiliary_1	Modulating ragulation loop 1	R	0	100	%
30050	50	49	Mod_Auxiliary_2	Modulating ragulation loop 2	R	0	100	%
30051	51	50	Mod_Auxiliary_3	Modulating ragulation loop 3	R	0	100	%
30052	52	51	Mod_Auxiliary_4	Modulating ragulation loop 4	R	0	100	%
30053	53	52	VFDs_Status	Status of Supply and return VFD	R	-3276.8	3276.7	---
40054	54	53	Speed_Require	Supply speed require for VFD	R/W	0	100	---
30055	55	54	Voltage	Supply voltage	R	-999.9	999.9	V
30056	56	55	Current	Supply current	R	-99.9	99.9	---
30057	57	56	Torque	Supply torque	R	-999.9	999.9	%
30058	58	57	Power	Supply power	R	-999.9	999.9	%
30059	59	58	Supply_Speed_Hz	Supply speed (Hz)	R	-99.9	99.9	Hz
40060	60	59	Speed_Require	Return speed require for VFD	R/W	0	100	---
30061	61	60	Voltage	Return voltage	R	-999.9	999.9	V
30062	62	61	Current	Return current	R	-99.9	99.9	---
30063	63	62	Torque	Return torque	R	-999.9	999.9	%
30064	64	63	Power	Return power	R	-999.9	999.9	%
30065	65	64	Return_Speed_Hz	Return speed (Hz)	R	-99.9	99.9	Hz
30066	66	65	Aout_Belimo_1	Belimo 1 demand	R	0	100	%
30067	67	66	Act_Belimo_Position_1	Feedback position belimo 1	R	0	100	%
30068	68	67	Aout_Belimo_2	Belimo 2 demand	R	0	100	%
30069	69	68	Act_Belimo_Position_2	Feedback position belimo 2	R	0	100	%
30070	70	69	Aout_Belimo_3	Belimo 3 demand	R	0	100	%
30071	71	70	Act_Belimo_Position_3	Feedback position belimo 3	R	0	100	%
30072	72	71	Aout_Belimo_4	Belimo 4 demand	R	0	100	%

30073	73	72	Act_Belimo_Position_4	Feedback position belimo 4	R	0	100	%
30074	74	73	Aout_Belimo_5	Belimo 5 demand	R	0	100	%
30075	75	74	Act_Belimo_Position_5	Feedback position belimo 5	R	0	100	%
30076	76	75	Aout_Belimo_6	Belimo 6 demand	R	0	100	%
30077	77	76	Act_Belimo_Position_6	Feedback position belimo 6	R	0	100	%
30078	78	77	Aout_Belimo_7	Belimo 7 demand	R	0	100	%
30079	79	78	Act_Belimo_Position_7	Feedback position belimo 7	R	0	100	%
30080	80	79	Aout_Belimo_8	Belimo 8 demand	R	0	100	%
30081	81	80	Act_Belimo_Position_8	Feedback position belimo 8	R	0	100	%
30082	82	81	Serial_Temp_1	Serial probe temperature 1	R	-99.9	99.9	°C
30083	83	82	Serial_Humid_1	Serial probe humidity 1	R	0	99.9	%rH
30084	84	83	Serial_Temp_2	Serial probe temperature 2	R	-99.9	99.9	°C
30085	85	84	Serial_Humid_2	Serial probe humidity 2	R	0	99.9	%rH
30086	86	85	Serial_Temp_3	Serial probe temperature 3	R	-99.9	99.9	°C
30087	87	86	Serial_Humid_3	Serial probe humidity 3	R	0	99.9	%rH
30088	88	87	Serial_Temp_4	Serial probe temperature 4	R	-99.9	99.9	°C
30089	89	88	Serial_Humid_4	Serial probe humidity 4	R	0	99.9	%rH
30090	90	89	Serial_Temp_5	Serial probe temperature 5	R	-99.9	99.9	°C
30091	91	90	Serial_Humid_5	Serial probe humidity 5	R	0	99.9	%rH
30092	92	91	Serial_Temp_6	Serial probe temperature 6	R	-99.9	99.9	°C
30093	93	92	Serial_Humid_6	Serial probe humidity 6	R	0	99.9	%rH
30094	94	93	Set_Temperature	Actual temperature setpoint	R	-99.9	99.9	°C
40095	95	94	Set_Temp_Conf_S	Comfort temperature setpoint (Summer)	R/W	-99.9	99.9	°C
40096	96	95	Set_Temp_Conf_W	Comfort temperature setpoint (Winter)	R/W	-99.9	99.9	°C
40097	97	96	Set_Temp_PreConf_S	Pre-Comfort temperature setpoint (Summer)	R/W	-99.9	99.9	°C
40098	98	97	Set_Temp_PreConf_W	Pre-Comfort temperature setpoint (Winter)	R/W	-99.9	99.9	°C
40099	99	98	Set_Temp_Econ_S	Economy temperature setpoint (Winter)	R/W	-99.9	99.9	°C
40100	100	99	Set_Temp_Econ_W	Economy temperature setpoint (Winter)	R/W	-99.9	99.9	°C
30101	101	100	Al_Probe_Status_1	Alarm probe status 1 (Bitfield)	R	-3276.8	3276.7	---
30102	102	101	Al_Probe_Status_2	Alarm probe status 2 (Bitfield)	R	-3276.8	3276.7	---
30103	103	102	Al_Belimo_Prb_FS	Belimo probe alarm and firesmoke (bitfield)	R	-3276.8	3276.7	---
30104	104	103	Al_Working_Hours_1	Working hours threshold require maintenance	R	-3276.8	3276.7	---
30105	105	104	Al_Working_Hours_2	Working hours threshold require maintenance	R	-3276.8	3276.7	---
30106	106	105	Al_Serial_Prb	Analog input of serial probe fault (Bitfield)	R	-3276.8	3276.7	---
40107	107	106	Set_T_Lim_Low_S	Low temperature setpoint limit (Summer)	R/W	-99.9	99.9	°C
40108	108	107	Set_T_Lim_Hi_S	High temperature setpoint limit (Summer)	R/W	-99.9	99.9	°C
40109	109	108	Set_T_Lim_Low_W	Low temperature setpoint limit (Winterr)	R/W	-99.9	99.9	°C
40110	110	109	Set_T_Lim_Hi_W	high temperature setpoint limit (Winter)	R/W	-99.9	99.9	°C
40111	111	110	Diff_Reg_Cool	Cooling differential	R/W	0	99.9	°C
40112	112	111	NZ_Reg_Cool	Cooling neutral zone	R/W	0	99.9	°C
40113	113	112	Diff_Reg_Heat	Heating differential	R/W	0	99.9	°C
40114	114	113	NZ_Reg_Heat	Heating neutral zone	R/W	0	99.9	°C
40115	115	114	Setp_Sum_L_Lim	Summer supply low limit threshold	R/W	-99.9	99.9	°C
40116	116	115	Setp_Win_L_Lim	Winter supply low limit threshold	R/W	-99.9	99.9	°C
40117	117	116	Setp_Sum_H_Lim	Summer supply high limit threshold	R/W	-99.9	99.9	°C
40118	118	117	Setp_Win_H_Lim	Winter supply high limit threshold	R/W	-99.9	99.9	°C
40119	119	118	Diff_Lim	Supply limit differential	R/W	0	99.9	°C
40120	120	119	Start_Ext_Temp_Sum	Start point of summer compensation	R/W	-99.9	99.9	°C
40121	121	120	End_Ext_Temp_Sum	End point of summer compensation	R/W	-99.9	99.9	°C
40122	122	121	Max_Comp_Temp_Sum	Max compensation temperature in summer	R/W	-99.9	99.9	°C
40123	123	122	Start_Ext_Temp_Win	Start point of winter compensation	R/W	-99.9	99.9	°C
40124	124	123	End_Ext_Temp_Win	End point of winter compensation	R/W	-99.9	99.9	°C
40125	125	124	Max_Comp_Temp_Win	Max compensation temperature in winter	R/W	-99.9	99.9	°C
40126	126	125	Delta_Temp	Dampers temperature Delta activation	R/W	0	99.9	°C
40127	127	126	Diff_Enth	Dampers enthalpy differential	R/W	0	99.9	kJ/kg
40128	128	127	Supply_Min_Speed	Supply inverter min power	R/W	0	100	%
40129	129	128	Supply_Max_Speed	Supply inverter max power	R/W	0	100	%
40130	130	129	Return_Min_Speed	Return inverter min power	R/W	0	100	%
40131	131	130	Return_Max_Speed	Return inverter max power	R/W	0	100	%
40132	132	131	Setp_PreH_Temp	PreHeat battery setpoint	R/W	-99.9	99.9	°C
40133	133	132	Diff_PreH_Temp	PreHeat battery differential	R/W	0	99.9	°C
40134	134	133	Setp_PreH_Temp	PreHeat battery setpoint	R/W	-99.9	99.9	°C
40135	135	134	Diff_PreH_Temp	PreHeat battery differential	R/W	0	99.9	°C
40136	136	135	Setp_PostH_Temp_Comp	Compensation setpoint when dehumidifying	R/W	-99.9	99.9	°C
40137	137	136	Diff_PostH_Temp_Comp	Compensation differential when dehumidifying	R/W	0	99.9	°C
40138	138	137	Delta_Act_Recovery	Recovery activation (delta)	R/W	0	99.9	°C
40139	139	138	Diff_Act_Recovery	Recovery activation (differential)	R/W	0	99.9	°C
40140	140	139	Diff_Enth	Recovery enth. differential	R/W	0	99.9	kJ/kg
40141	141	140	Defrost_Setp	Recovery defrost threshold	R/W	-99.9	10	°C
40142	142	141	Defrost_Diff	Recovery defrost differential	R/W	0	99.9	°C
40143	143	142	Defrost_Heater_Offset	Recovery defrost heater offset	R/W	0	99.9	°C
40144	144	143	Setp_Freeze_Temp	Frost temperature threshold	R/W	0	99.9	°C
40145	145	144	Diff_Freeze_Temp	Frost temperature differential	R/W	0	99.9	°C
40146	146	145	Set_Protection	Room frost protection threshold	R/W	-99.9	99.9	°C
40147	147	146	Limit_Setp_Low_Temp	Low temperature threshold when adiabatic humidifying	R/W	0	99.9	°C
40148	148	147	Limit_Diff_Low_Temp	Low temperature differential when adiabatic humidifying	R/W	0	99.9	°C

40149	149	148	Gen_Setpoint	Setpoint of generic regulation loop 1	R/W	-3200	3200	---
40150	150	149	Gen_Differential	Differential for generic regulation 1	R/W	-3200	3200	---
40151	151	150	Gen_Setpoint	Setpoint for generic regulation loop 2	R/W	-3200	3200	---
40152	152	151	Gen_Differential	Differential for generic regulation loop 2	R/W	-3200	3200	---
40153	153	152	Gen_Setpoint	Setpoint for generic regulation loop 3	R/W	-3200	3200	---
40154	154	153	Gen_Differential	Differential for generic regulation loop 3	R/W	-3200	3200	---
40155	155	154	Gen_Setpoint	Setpoint for generic regulation loop 4	R/W	-3200	3200	---
40156	156	155	Gen_Differential	Differential for generic regulation loop 4	R/W	-3200	3200	---
40157	157	156	S_Thr_Temp_Auto	Summer change threshold	R/W	-99.9	99.9	°C
40158	158	157	W_Thr_Temp_Auto	Winter change threshold	R/W	-99.9	99.9	°C
30159	159	158	Active_Devices	Status of devices (Bitfield)	R	-3276.8	3276.7	---
30160	160	159	Devices_Cfg_1	Devices_Cfg_2 (Bitfield)	R	-3276.8	3276.7	---
30161	161	160	Devices_Cfg_2	Devices_Cfg_2 (Bitfield)	R	-3276.8	3276.7	---

Integer variables

MODBUS REGISTERS ADDRESS	MODBUS REGISTERS ADDRESS	BMS Address	Variable name	Description	Direction	Min	Max	UOM
30210	210	1	Supply_Press	Supply pressure	R	-9999	9999	Pa
30211	211	2	Return_Press	Return pressure	R	-9999	9999	Pa
30212	212	3	Air_Quality_CO2	CO2 air quality	R	0	9999	Ppm
30213	213	4	Temp_Dissip	Supply Inverter temperature dissipation	R	-999	999	°C
30214	214	5	DC_Voltage	Supply Inverter DC Voltage	R	0	9999	V
30215	215	6	Supply_Speed_rpm	Supply Inverter speed (rpm)	R	-9999	9999	rpm
30216	216	7	Temp_Dissip	Return Inverter temperature dissipation	R	-999	999	°C
30217	217	8	DC_Voltage	Return Inverter DC Voltage	R	0	9999	V
30218	218	9	Return_Speed_rpm	Return Inverter speed (rpm)	R	-9999	9999	rpm
30219	219	10	BMS_Sw_Ver	Software version	R	0	32767	---
30220	220	11	BMS_Sw_Date	Software date	R	0	32767	---
				OnOff Selection: 0=OFF 1=COMFORT 2=PRE-COMFORT 3=ECONOMY 4=AUTO (SCHEDULLER) 5=UNIT ON				
40221	221	12	OnOff_Status		R/W	0	4	---
30222	222	13	Set_Humidity	Actual humidity setpoint	R	0	100	%rH
40223	223	14	Set_Humid_Comf_S	Comfort humidity setpoint (Summer)	R/W	0	100	%rH
40224	224	15	Set_Humid_Comf_W	Comfort humidity setpoint (Winter)	R/W	0	100	%rH
40225	225	16	Set_Humid_PreComf_S	Pre-Comfort humidity setpoint (Summer)	R/W	0	100	%rH
40226	226	17	Set_Humid_PreComf_W	Pre-Comfort humidity setpoint (Winter)	R/W	0	100	%rH
40227	227	18	Set_Humid_Econ_S	Economy humidity setpoint (Summer)	R/W	0	100	%rH
40228	228	19	Set_Humid_Econ_W	Economy humidity setpoint (Winter)	R/W	0	100	%rH
40229	229	20	pCO_Hour	pCO hour	R/W	0	23	h
40230	230	21	pCO_Minute	pCO minute	R/W	0	59	min
40231	231	22	pCO_Day	pCO day	R/W	1	31	day
40232	232	23	pCO_Month	pCO month	R/W	1	12	month
40233	233	24	pCO_Year	pCO year	R/W	0	99	year
40234	234	25	Day_Scheduler_Setting	Day scheduler selection	R/W	0	6	---
40235	235	26	F1_Start_Hour	F1 Start hour	R/W	0	24	h
40236	236	27	F1_Start_Minute	F1 Start minute	R/W	0	59	min
40237	237	28	F1_Set_Type	F1 Set type	R/W	0	3	---
40238	238	29	F2_Start_Hour	F2 Start hour	R/W	0	24	h
40239	239	30	F2_Start_Minute	F2 Start minute	R/W	0	59	min
40240	240	31	F2_Set_Type	F2 Set type	R/W	0	3	---
40241	241	32	F3_Start_Hour	F3 Start hour	R/W	0	24	h
40242	242	33	F3_Start_Minute	F3 Start minute	R/W	0	59	min
40243	243	34	F3_Set_Type	F3 Set type	R/W	0	3	---
40244	244	35	F4_Start_Hour	F4 Start hour	R/W	0	24	h
40245	245	36	F4_Start_Minute	F4 Start minute	R/W	0	59	min
40246	246	37	F4_Set_Type	F4 Set type	R/W	0	3	---
40247	247	38	P1_Start_Day	Period 1 start day	R/W	0	31	day
40248	248	39	P1_Start_Month	Period 1 start month	R/W	0	12	month
40249	249	40	P1_Stop_Day	Period 1 stop day	R/W	0	31	day
40250	250	41	P1_Stop_Month	Period 1 stop month	R/W	0	12	month
40251	251	42	P1_Set_Type	Period 1 set type	R/W	0	4	---
40252	252	43	P2_Start_Day	Period 2 start day	R/W	0	31	day
40253	253	44	P2_Start_Month	Period 2 start month	R/W	0	12	month
40254	254	45	P2_Stop_Day	Period 2 stop day	R/W	0	31	day
40255	255	46	P2_Stop_Month	Period 2 stop month	R/W	0	12	month
40256	256	47	P2_Set_Type	Period 2 set type	R/W	0	4	---
40257	257	48	P3_Start_Day	Period 3 start day	R/W	0	31	day
40258	258	49	P3_Start_Month	Period 3 start month	R/W	0	12	month
40259	259	50	P3_Stop_Day	Period 3 stop day	R/W	0	31	day
40260	260	51	P3_Stop_Month	Period 3 stop month	R/W	0	12	month
40261	261	52	P3_Set_Type	Period 3 set type	R/W	0	4	---
40262	262	53	SD1_Day	Special day 1 day	R/W	0	31	day
40263	263	54	SD1_Month	Special day 1 month	R/W	0	12	month

40264	264	55	SD1_Set_Type	Special day 1 type	R/W	0	5	---
40265	265	56	SD2_Day	Special day 2 day	R/W	0	31	day
40266	266	57	SD2_Month	Special day 2 month	R/W	0	12	month
40267	267	58	SD2_Set_Type	Special day 2 set type	R/W	0	5	---
40268	268	59	SD3_Day	Special day 3 day	R/W	0	31	day
40269	269	60	SD3_Month	Special day 3 month	R/W	0	12	month
40270	270	61	SD3_Set_Type	Special day 3 set type	R/W	0	5	---
40271	271	62	SD4_Day	Special day 4 day	R/W	0	31	day
40272	272	63	SD4_Month	Special day 4 month	R/W	0	12	month
40273	273	64	SD4_Set_Type	Special day 4 set type	R/W	0	5	---
40274	274	65	SD5_Day	Special day 5 day	R/W	0	31	day
40275	275	66	SD5_Month	Special day 5 month	R/W	0	12	month
40276	276	67	SD5_Set_Type	Special day 5 set type	R/W	0	5	---
40277	277	68	SD6_Day	Special day 6 day	R/W	0	31	day
40278	278	69	SD6_Month	Special day 6 month	R/W	0	12	month
40279	279	70	SD6_Set_Type	Special day 6 set type	R/W	0	5	---
40280	280	71	Set_H_Lim_Low_S	Low humidity setpoint limit (Summer)	R/W	0	100	%rH
40281	281	72	Set_H_Lim_Hi_S	high humidity setpoint limit (Summer)	R/W	0	100	%rH
40282	282	73	Set_H_Lim_Low_W	Low humidity setpoint limit (Winter)	R/W	0	100	%rH
40283	283	74	Set_H_Lim_Hi_W	High humidity setpoint limit (Winter)	R/W	0	100	%rH
40284	284	75	Regulation_Type	Regulation type (P-PI-PID)	R/W	0	2	---
40285	285	76	Limit_Type	Supply temp limit type	R/W	1	4	---
40286	286	77	Int_Time_Cool	Cooling integral time	R/W	0	999	s
40287	287	78	Der_Time_Cool	Cooling derivative time	R/W	0	999	s
40288	288	79	Int_Time_Heat	Heating integral time	R/W	0	999	s
40289	289	80	Der_Time_Heat	Heating derivative time	R/W	0	999	s
40290	290	81	Int_Limit_Time	Integral time for supply limits	R/W	0	999	s
40291	291	82	Comp_Sum_Type	Summer compensation type	R/W	0	3	---
40292	292	83	Comp_Win_Type	Winter compensation type	R/W	0	3	---
40293	293	84	Regulation_Type	Regulation humidity type	R/W	0	2	---
40294	294	85	Limit_Type	Supply humid limit type	R/W	1	4	---
40295	295	86	Diff_Reg_Dehum	Dehumidification differential	R/W	0	100	%rH
40296	296	87	NZ_Reg_Dehum	Dehumidification neutral zone	R/W	0	100	%rH
40297	297	88	Int_Time_Dehum	Dehumidification integration time	R/W	0	999	s
40298	298	89	Der_Time_Dehum	Dehumidification derivative time	R/W	0	999	s
40299	299	90	Diff_Reg_Humid	Humidification differential	R/W	0	100	%rH
40300	300	91	NZ_Reg_Humid	Humidification neutral zone	R/W	0	100	%rH
40301	301	92	Int_Time_Humid	Humidification integration time	R/W	0	999	s
40302	302	93	Der_Time_Humid	Humidification derivative time	R/W	0	999	s
40303	303	94	Setp_L_Lim	Supply low limit threshold	R/W	0	100	%rH
40304	304	95	Setp_H_Lim	Supply high limit threshold	R/W	0	100	%rH
40305	305	96	Diff_Lim	Supply limit differential	R/W	0	100	%rH
40306	306	97	Int_Limit_Time	Integral time for supply limits	R/W	0	999	s
40307	307	98	P_Atm	Enthalpy atmospheric pressure (mbar)	R/W	600	1100	mbar
40308	308	99	Setp_Press_Sup	Supply pressure alarm threshold	R/W	0	2000	Pa
40309	309	100	Diff_Press_Sup	Supply pressure differential	R/W	0	1000	Pa
40310	310	101	Supply_Int_Time	Supply fan integration time	R/W	0	9999	s
40311	311	102	Supply_Der_Time	Supply fan derivation time	R/W	0	9999	s
40312	312	103	Setp_Press_Ret	Return pressure alarm threshold	R/W	0	2000	Pa
40313	313	104	Diff_Press_Ret	Return pressure differential	R/W	0	1000	Pa
40314	314	105	Return_Int_Time	Return fan integration time	R/W	0	9999	s
40315	315	106	Return_Der_Time	Return fan derivation time	R/W	0	9999	s
40316	316	107	Thr_End_FreeC_Cool	End point of freecooling regulation	R/W	0	100	%
40317	317	108	Thr_Start_FreeC_Cool	Start point of cooling coil regulation	R/W	0	100	%
40318	318	109	Thr_End_Rec_Cool	End point of recovery regulation on cooling	R/W	0	100	%
40319	319	110	Thr_Start_Rec_Cool	Start point of cooling coil regulation	R/W	0	100	%
40320	320	111	Thr_End_FreeC_Heat	End point of freeheating regulation	R/W	0	100	%
40321	321	112	Thr_Start_FreeC_Heat	Start point of freeheating regulation	R/W	0	100	%
40322	322	113	Thr_End_Heat_PostHeat	End point of heating coil regulation	R/W	0	100	%
40323	323	114	Thr_End_Rec_Heat	End point of recovery regulation on heating	R/W	0	100	%
40324	324	115	Thr_Start_Rec_Heat	Start point of heating coil regulation	R/W	0	100	%
40325	325	116	Thr_Start_Heat_PostHeat	Start point of re-heating coil regulation	R/W	0	100	%
40326	326	117	CutOff_Cool	Cut-off on cooling	R/W	0	100	%
40327	327	118	CutOff_Dehum	Cut-off on dehumidification	R/W	0	100	%
40328	328	119	CutOff_PreH	Cut-off on heating	R/W	0	100	%
40329	329	120	CutOff_PostH	CutOff for heating	R/W	0	100	---
40330	330	121	CutOff_Cool	Cut-off on cooling	R/W	0	100	%
40331	331	122	CutOff_Dehum	Cut-off on dehumidification	R/W	0	100	%
40332	332	123	CutOff_Heat	Cut-off on heating	R/W	0	100	%
40333	333	124	Setp_Reg_CO2	CO2 regulation setpoint	R/W	0	5000	Ppm
40334	334	125	Setp_Reg_VOC	VOC regulation setpoint	R/W	0	100	%
40335	335	126	Diff_Reg_CO2	CO2 regulation differential	R/W	0	2000	Ppm
40336	336	127	Diff_Reg_VOC	VOC regulation differential	R/W	0	100	%
40337	337	128	Defrost_Speed	Recovery defrost speed	R/W	0	100	rpm
40338	338	129	Gen_Reg_Int_Time	Integral time of generic regultion 1	R/W	0	999	s
40339	339	130	Gen_Reg_Int_Time	Integral time of generic regultion 2	R/W	0	999	s

40340	340	131	Gen_Reg_Int_Time	Integral time of generic regulation 3	R/W	0	999	s
40341	341	132	Gen_Reg_Int_Time	Integral time of generic regulation 4	R/W	0	999	s
40342	342	133	Season_Sel_From	Season selection type BMS/DIN	R/W	0	4	---
40343	343	134	S_Start_Day	Summer day start	R/W	1	31	day
40344	344	135	S_Start_Month	Summer month start	R/W	1	12	month
40345	345	136	W_Start_Day	Winter day start	R/W	1	31	day
40346	346	137	W_Start_Month	Winter month start	R/W	1	12	month
40347	347	138	S_W_Delay_Auto_Change	Delay between summer/winter change	R/W	0	999	h
40348	348	139	Force_Supply_Fan	Force supply fan (0=Auto, 1=000%...101=100%)	R/W	0	101	%
40349	349	140	Force_Return_Fan	Force return fan (0=Auto, 1=000%...101=100%)	R/W	0	101	%
40350	350	141	Force_Cooling	Force cooling coil(0=Auto, 1=000%...101=100%)	R/W	0	101	---
40351	351	142	Force_PreHeating	Force pre-heating coil (0=Auto, 1=000%...101=100%)	R/W	0	101	%
40352	352	143	Force_PostHeating	Force re-heating coil (0=Auto, 1=000%...101=100%)	R/W	0	101	%
40353	353	144	Force_Heat_Cool	Force cool/heat coil (0=Auto, 1=000%...101=100%)	R/W	0	101	%
40354	354	145	Force_Humidifier	Force humidifier (0=Auto, 1=000%...101=100%)	R/W	0	101	%
30355	355	146	Hour_Supply_Fan_1	Supply fan 1 working hours (X1000)	R	0	999	---
30356	356	147	Hour_L_Supply_Fan_1	Supply fan 1 working hours	R	0	999	h
30357	357	148	Hour_Supply_Fan_2	Supply fan 2 working hours (X1000)	R	0	999	---
30358	358	149	Hour_L_Supply_Fan_2	Supply fan 2 working hours	R	0	999	h
30359	359	150	Hour_Return_Fan_1	Return fan 1 working hours (X1000)	R	0	999	---
30360	360	151	Hour_L_Return_Fan_1	Return fan 1 working hours	R	0	999	h
30361	361	152	Hour_Return_Fan_2	Return fan 2 working hours (X1000)	R	0	999	---
30362	362	153	Hour_L_Return_Fan_2	Return fan 2 working hours	R	0	999	h
30363	363	154	Hour_Humidifier	Humidifier working hours (X1000)	R	0	999	---
30364	364	155	Hour_L_Humidifier	Humidifier working hours	R	0	999	h
30365	365	156	Hour_Rotary_Recovery	Rotary recovery working hours (X1000)	R	0	999	---
30366	366	157	Hour_L_Rotary_Recovery	Rotary recovery working hours	R	0	999	h
30367	367	158	Hour_Cool_Pump_1	Cooling pump 1 working hours (X1000)	R	0	999	---
30368	368	159	Hour_L_Cool_Pump_1	Cooling pump 1 working hours	R	0	999	h
30369	369	160	Hour_Cool_Pump_2	Cooling pump 2 working hours (X1000)	R	0	999	---
30370	370	161	Hour_L_Cool_Pump_2	Cooling pump 2 working hours	R	0	999	h
30371	371	162	Hour_PreH_Pump_1	Pre-heating pump 1 working hours (X1000)	R	0	999	---
30372	372	163	Hour_L_PreH_Pump_1	Pre-hating pump 1 working hours	R	0	999	h
30373	373	164	Hour_PreH_Pump_2	Pre-heating pump 2 working hours (X1000)	R	0	999	---
30374	374	165	Hour_L_PreH_Pump_2	Pre-hating pump 2 working hours	R	0	999	h
30375	375	166	Hour_PostH_Pump_1	Re-heating pump 1 working hours (X1000)	R	0	999	---
30376	376	167	Hour_L_PostH_Pump_1	Re-hating pump 1 working hours	R	0	999	h
30377	377	168	Hour_PostH_Pump_2	Re-heating pump 2 working hours (X1000)	R	0	999	---
30378	378	169	Hour_L_PostH_Pump_2	Re-hating pump 2 working hours	R	0	999	h
30379	379	170	Hour_Heaters_Pre_1	Pre-heting heater 1 working hours (X1000)	R	0	999	---
30380	380	171	Hour_L_Heaters_Pre_1	Pre-heting heater 1 working hours	R	0	999	h
30381	381	172	Hour_Heaters_Pre_2	Pre-heting heater 2 working hours (X1000)	R	0	999	---
30382	382	173	Hour_L_Heaters_Pre_2	Pre-heting heater 2 working hours	R	0	999	h
30383	383	174	Hour_Heaters_Pre_3	Pre-heting heater 3 working hours (X1000)	R	0	999	---
30384	384	175	Hour_L_Heaters_Pre_3	Pre-heting heater 3 working hours	R	0	999	h
30385	385	176	Hour_Heaters_Pre_4	Pre-heting heater 4 working hours (X1000)	R	0	999	---
30386	386	177	Hour_L_Heaters_Pre_4	Pre-heting heater 4 working hours	R	0	999	h
30387	387	178	Hour_Heaters_Post_1	Re-heting heater 1 working hours (X1000)	R	0	999	---
30388	388	179	Hour_L_Heaters_Post_1	Re-heting heater 1 working hours	R	0	999	h
30389	389	180	Hour_Heaters_Post_2	Re-heting heater 2 working hours (X1000)	R	0	999	---
30390	390	181	Hour_L_Heaters_Post_2	Re-heting heater 2 working hours	R	0	999	h
30391	391	182	Hour_Heaters_Post_3	Re-heting heater 3 working hours (X1000)	R	0	999	---
30392	392	183	Hour_L_Heaters_Post_3	Re-heting heater 3 working hours	R	0	999	h
30393	393	184	Hour_Heaters_Post_4	Re-heting heater 4 working hours (X1000)	R	0	999	---
30394	394	185	Hour_L_Heaters_Post_4	Re-heting heater 4 working hours	R	0	999	h
40395	395	186	Unit_Status	Unit status	R/W	0	17	---

Digital variables								
MODBUS COILS ADDRESS	MODBUS COILS ADDRESS	BMS Address	Variable name	Description	Direction	Min	Max	UOM
00002	2	1	HeartBit	Heart-bit	R/W	0	1	---
00003	3	2	Bms_Din_1	Digital input 1 from BMS	R/W	0	1	---
00004	4	3	Bms_Din_2	Digital input 2 from BMS	R/W	0	1	---
00005	5	4	Bms_Din_3	Digital input 3 from BMS	R/W	0	1	---
00006	6	5	Bms_Din_4	Digital input 4 from BMS	R/W	0	1	---
10007	7	6	Din_On_Off	Unit On/Off	R	0	1	---
10008	8	7	Din_Season	Season selection by digit input	R	0	1	---
10009	9	8	Din_Double_Set	Double setpoint	R	0	1	---
10010	10	9	Din_Generic	Generic alarm	R	0	1	---
10011	11	10	Al_Din_Serious	AL U02 -Serious alarm by digit input	R	0	1	---
10012	12	11	Al_Din_Humidifier	Humidifier alarm by digit input	R	0	1	---
10013	13	12	Al_Antifreeze_Din	Frost alarm by digit input *from thermostat"	R	0	1	---
10014	14	13	Din_Supply_Filter	Supply filter alarm	R	0	1	---
10015	15	14	Din_Supply_Filter_2	Supply filter 2 alarm	R	0	1	---
10016	16	15	Din_Return_Filter	Return filter alarm	R	0	1	---

10017	17	16	Din_Supply_Flow	Supply flow alarm	R	0	1	---
10018	18	17	Din_Return_Flow	Return flow alarm	R	0	1	---
10019	19	18	Din_OverL_Pump1_Cool	Cool pump 1 overload	R	0	1	---
10020	20	19	Din_OverL_Pump1_PreHeat	Pre-Heat pump 1 overload	R	0	1	---
10021	21	20	Din_OverL_Pump1_PostHeat	Re-Heat pump 1 overload	R	0	1	---
10022	22	21	Din_OverL_Pump2_Cool	Cool pump 2 overload	R	0	1	---
10023	23	22	Din_OverL_Pump2_PreHeat	Pre-Heat pump 2 overload	R	0	1	---
10024	24	23	Din_OverL_Pump2_PostHeat	Re-Heat pump 2 overload	R	0	1	---
10025	25	24	Din_Cool_Flow	Cool flow alarm	R	0	1	---
10026	26	25	Din_PostHeat_Flow	Re-Heat flow alarm	R	0	1	---
10027	27	26	Din_PreHeat_Flow	Pre-Heat flow alarm	R	0	1	---
10028	28	27	Din_OverL_Supply_Fan_1	Supply fan 1 overload	R	0	1	---
10029	29	28	Din_OverL_Supply_Fan_2	Supply fan 2 overload	R	0	1	---
10030	30	29	Din_OverL_Return_Fan_1	Return fan 1 overload	R	0	1	---
10031	31	30	Din_OverL_Return_Fan_2	Return fan 2 overload	R	0	1	---
10032	32	31	Din_Supply_Inv_Fan_Alarm	Supply inverter alarm	R	0	1	---
10033	33	32	Din_Return_Inv_Fan_Alarm	Return inverter alarm	R	0	1	---
10034	34	33	Din_OverL_PreH_Heaters	Pre-Heating heaters overload	R	0	1	---
10035	35	34	Din_OverL_PostH_Heaters	Re-heating heaters overload	R	0	1	---
10036	36	35	Din_Dirty_Recovery	Recovery clogged alarm	R	0	1	---
10037	37	36	AI_Din_Dirty_Filter	AL U08 - Filter clogged alarm	R	0	1	---
10038	38	37	AI_Din_FireSmoke	AL U06 - Fire&Smoke alarm by digit input	R	0	1	---
10039	39	38	AI_Din_Door_Switch	AL U07 - Open door alarm by digit input	R	0	1	---
10040	40	39	On_Off_Supply_Fan_1	Supply fan 1 On/Off output	R	0	1	---
10041	41	40	On_Off_Supply_Fan_2	Supply fan 2 On/Off output	R	0	1	---
10042	42	41	On_Off_Return_Fan_1	Return fan 1 On/Off output	R	0	1	---
10043	43	42	On_Off_Return_Fan_2	Return fan 2 On/Off output	R	0	1	---
10044	44	43	Supply_Fan_Line	Supply fan line	R	0	1	---
10045	45	44	Return_Fan_Line	Return fan line	R	0	1	---
10046	46	45	SysOn	System On/Off	R	0	1	---
10047	47	46	On_Off_Humidifier	Humidifier On/Off output	R	0	1	---
10048	48	47	On_Off_Rotary_Recovery	Rotary recovery On/Off output	R	0	1	---
10049	49	48	Recovery_Heater	Defrost heat recovery heaters	R	0	1	---
10050	50	49	AI_Global	General alarm output	R	0	1	---
10051	51	50	AI_Serious	AL U07 - Serious alarm	R	0	1	---
10052	52	51	AI_Minor	Minor alarm	R	0	1	---
10053	53	52	AI_Filters	Filters alarm output	R	0	1	---
10054	54	53	On_Off_External_Damper	External damper On/Off output	R	0	1	---
10055	55	54	On_Off_ByPass_Damper	ByPass damper On/Off output	R	0	1	---
10056	56	55	Heaters_Post_1	Re-Heat Heater 1 output	R	0	1	---
10057	57	56	Heaters_Post_2	Re-Heat Heater 2 output	R	0	1	---
10058	58	57	Heaters_Post_3	Re-Heat Heater 3 output	R	0	1	---
10059	59	58	Heaters_Post_4	Re-Heat Heater 4 output	R	0	1	---
10060	60	59	Heaters_Pre_1	Pre-Heat Heater 1 output	R	0	1	---
10061	61	60	Heaters_Pre_2	Pre-Heat Heater 2 output	R	0	1	---
10062	62	61	Heaters_Pre_3	Pre-Heat Heater 3 output	R	0	1	---
10063	63	62	Heaters_Pre_4	Pre-Heat Heater 4 output	R	0	1	---
10064	64	63	Cool_Step_1	Cool step 1	R	0	1	---
10065	65	64	Cool_Step_2	Cool step 2	R	0	1	---
10066	66	65	Cool_Step_3	Cool step 3	R	0	1	---
10067	67	66	Common_Cool_Heat	Cooling or heating mode for cool/heat coil	R	0	1	---
10068	68	67	Cool_Pump_1	Cool or Cool/Heat pump 1 output	R	0	1	---
10069	69	68	PreHeat_Pump_1	Pre-Heat pump 1 output	R	0	1	---
10070	70	69	PostHeat_Pump_1	Re-Heat pump 1 output	R	0	1	---
10071	71	70	Cool_Pump_2	Cool or Cool/Heat pump 2 output	R	0	1	---
10072	72	71	PreHeat_Pump_2	Pre-Heat pump 2 output	R	0	1	---
10073	73	72	PostHeat_Pump_2	Re-Heat pump 2 output	R	0	1	---
10074	74	73	Cool_3P_Open	Cool or Cool/Heat floating valve open	R	0	1	---
10075	75	74	Cool_3P_Close	Cool or Cool/Heat floating valve close	R	0	1	---
10076	76	75	PreHeat_3P_Open	Pre-Heat floating valve open	R	0	1	---
10077	77	76	PreHeat_3P_Close	Pre-Heat floating valve close	R	0	1	---
10078	78	77	PostHeat_3P_Open	Re-Heat floating valve open	R	0	1	---
10079	79	78	PostHeat_3P_Close	Re-Heat floating valve close	R	0	1	---
00080	80	79	OnOff_Auxiliary_1	On/Off regulation loop 1	R/W	0	1	---
00081	81	80	OnOff_Auxiliary_2	On/Off regulation loop 2	R/W	0	1	---
00082	82	81	OnOff_Auxiliary_3	On/Off regulation loop 3	R/W	0	1	---
00083	83	82	OnOff_Auxiliary_4	On/Off regulation loop 4	R/W	0	1	---
00084	84	83	En_Resume_time	Resume time enable	R/W	0	1	---
00085	85	84	Write_Data	Write the hour/minute scheduler settings	R/W	0	1	---
00086	86	85	Day_Scheduler_En	Scheduler enable	R/W	0	1	---
00087	87	86	Holiday_Period_En	Holiday period enable	R/W	0	1	---
00088	88	87	Special_Days_En	Special days enable	R/W	0	1	---
00089	89	88	En_DST	Daylight saving time enable	R/W	0	1	---
10090	90	89	AI_Regulation_Probe	AL A24 - Regulation probe fault or disconnected	R	0	1	---
10091	91	90	AI_Recovery_Dirty	AL B01 - Heat recovery clogged	R	0	1	---
00092	92	91	AI_PostH_Heaters	AL B02 - Re-heating heaters alarm	R/W	0	1	---

00093	93	92	AI_PreH_Heaters	AL B03 - Pre-Heating heaters alarm	R/W	0	1	---
10094	94	93	AI_pCOe_1_Offline	AL E11 - pCOe 1 offline	R	0	1	---
10095	95	94	AI_pCOe_2_Offline	AL E21 - pCOe 2 offline	R	0	1	---
00096	96	95	Warning_Ain_1_2_pCOe_1	AL E12 - Analog input probe 1&2 on pCOe 1 not same	R/W	0	1	---
00097	97	96	Warning_Ain_3_4_pCOe_1	AL E13 - Analog input probe 3&4 on pCOe 1 not same	R/W	0	1	---
00098	98	97	Warning_Ain_1_2_pCOe_2	AL E22 - Analog input probe 1&2 on pCOe 2 not same	R/W	0	1	---
00099	99	98	Warning_Ain_3_4_pCOe_2	AL E23 - Analog input probe 3&4 on pCOe 2 not same	R/W	0	1	---
10100	100	99	AI_AinCh1	AL E14 - Alarm analog probe channel 1	R	0	1	---
10101	101	100	AI_AinCh2	AL E15 - Alarm analog probe channel 2	R	0	1	---
00102	102	101	AI_AinCh3	AL E16 - Alarm analog probe channel 1	R/W	0	1	---
00103	103	102	AI_AinCh4	AL E14 - Alarm analog probe channel 4	R/W	0	1	---
10104	104	103	AI_AinCh1	AL E24 - Alarm analog probe channel 1	R	0	1	---
10105	105	104	AI_AinCh2	AL E25 - Alarm analog probe channel 2	R	0	1	---
00106	106	105	AI_AinCh3	AL E26 - Alarm analog probe channel 1	R/W	0	1	---
00107	107	106	AI_AinCh4	AL E27 - Alarm analog probe channel 4	R/W	0	1	---
10108	108	107	AI_Supply_Flow_1	AL F01 - Supply fan 1 flow alarm	R	0	1	---
10109	109	108	AI_Supply_Flow_2	AL F03 - Supply fan 2 flow alarm	R	0	1	---
10110	110	109	AI_Return_Flow_1	AL F02 - Return fan 1 flow alarm	R	0	1	---
10111	111	110	AI_Return_Flow_2	AL F04 - Return fan 2 flow alarm	R	0	1	---
10112	112	111	AI_Supply_Overload_1	AL F05 - Supply fan 1 overload alarm	R	0	1	---
10113	113	112	AI_Supply_Overload_2	AL F09 - Supply fan 2 overload alarm	R	0	1	---
10114	114	113	AI_Return_Overload_1	AL F06 - Return fan 1 overload alarm	R	0	1	---
10115	115	114	AI_Return_Overload_2	AL F10 - Return fan 2 overload alarm	R	0	1	---
10116	116	115	AI_Din_Supply_Inv_Fan	AL F07 - Supply inverter alarm	R	0	1	---
10117	117	116	AI_Din_Return_Inv_Fan	AL F08 - Return inverter alarm	R	0	1	---
10118	118	117	Warning_Sfan1	AL F11 - Supply fan 1 retry warning	R	0	1	---
10119	119	118	Warning_Sfan2	AL F12 - Supply fan 2 retry warning	R	0	1	---
10120	120	119	Warning_RFan1	AL F13 - Return fan 1 retry warning	R	0	1	---
10121	121	120	Warning_RFan2	AL F14 - Return fan 2 retry warning	R	0	1	---
00122	122	121	AI_Extd_Memory	AL G02 - Extended memory fault	R/W	0	1	---
10123	123	122	AI_Antifreeze_Ain	AL G03 - Frost alarm from probe	R	0	1	---
10124	124	123	AI_Antifreeze_Din	AL G04 - Frost alarm from frost-stat	R	0	1	---
10125	125	124	Protect_Mode	AL G05 - Frost room protection active	R	0	1	---
10126	126	125	AI_Humidifier	AL H01 - Humidifier alarm	R	0	1	---
10127	127	126	AI_Belimo_Offline	AL M11 - Belimo 1 offline	R	0	1	---
10128	128	127	AI_Belimo_Offline	AL M21 - Belimo 2 offline	R	0	1	---
10129	129	128	AI_Belimo_Offline	AL M31 - Belimo 3 offline	R	0	1	---
10130	130	129	AI_Belimo_Offline	AL M41 - Belimo 4 offline	R	0	1	---
10131	131	130	AI_Belimo_Offline	AL M51 - Belimo 5 offline	R	0	1	---
10132	132	131	AI_Belimo_Offline	AL M61 - Belimo 6 offline	R	0	1	---
10133	133	132	AI_Belimo_Offline	AL M71 - Belimo 7 offline	R	0	1	---
10134	134	133	AI_Belimo_Offline	AL M81 - Belimo 8 offline	R	0	1	---
10135	135	134	Warning_Cool_Pump1	AL P01 - Cooling pump 1 flow lack warning	R	0	1	---
10136	136	135	Warning_Cool_Pump2	AL P02 - Cooling pump 2 flow lack warning	R	0	1	---
10137	137	136	Warning_PreH_Pump1	AL P07 - Pre-heating pump 1 flow lack warning	R	0	1	---
10138	138	137	Warning_PreH_Pump2	AL P08 - Pre-heating pump 2 flow lack warning	R	0	1	---
10139	139	138	Warning_PostH_Pump1	AL P13 - Re-heating pump 1 flow lack warning	R	0	1	---
10140	140	139	Warning_PostH_Pump2	AL P14 - Re-heating pump 2 flow lack warning	R	0	1	---
10141	141	140	AI_Flow_Pump_1	AL P03 - Cooling pump 1 flow alarm	R	0	1	---
10142	142	141	AI_Flow_Pump_2	AL P04 - Cooling pump 2 flow alarm	R	0	1	---
10143	143	142	AI_Flow_Pump_1	AL P09 - Pre-heating pump 1 flow alarm	R	0	1	---
10144	144	143	AI_Flow_Pump_2	AL P10 - Pre-heating pump 2 flow alarm	R	0	1	---
10145	145	144	AI_Flow_Pump_1	AL P15 - Re-heating pump 1 flow alarm	R	0	1	---
10146	146	145	AI_Flow_Pump_2	AL P16 - Re-heating pump 2 flow alarm	R	0	1	---
10147	147	146	AI_Overload_1	AL P05 - Cooling pump 1 overload	R	0	1	---
10148	148	147	AI_Overload_2	AL P06 - Cooling pump 2 overload	R	0	1	---
10149	149	148	AI_Overload_1	AL P11 - Pre-heating pump 1 overload	R	0	1	---
10150	150	149	AI_Overload_2	AL P12 - Pre-heating pump 2 overload	R	0	1	---
10151	151	150	AI_Overload_1	AL P17 - Re-heating pump 1 overload	R	0	1	---
10152	152	151	AI_Overload_2	AL P18 - Re-heating pump 2 overload	R	0	1	---
10153	153	152	AI_Din_Generic	AL U01 - Generic alarm from digital input	R	0	1	---
10154	154	153	AI_Din_Supply_Filter	AL U03 - Supply filter alarm	R	0	1	---
10155	155	154	AI_Din_Supply_Filter_2	AL U04 - 2nd supply filter alarm	R	0	1	---
10156	156	155	AI_Din_Return_Filter	AL U05 - Return filter alarm	R	0	1	---
10157	157	156	AI_Serial_Prb_Offline_1	AL S12 - Serial probe 1 offline	R	0	1	---
10158	158	157	AI_Serial_Prb_Offline_2	AL S22 - Serial probe 2 offline	R	0	1	---
10159	159	158	AI_Serial_Prb_Offline_3	AL S32 - Serial probe 3 offline	R	0	1	---
10160	160	159	AI_Serial_Prb_Offline_4	AL S42 - Serial probe 4 offline	R	0	1	---
10161	161	160	AI_Serial_Prb_Offline_5	AL S52 - Serial probe 5 offline	R	0	1	---
10162	162	161	AI_Serial_Prb_Offline_6	AL S62 - Serial probe 6 offline	R	0	1	---
10163	163	162	AI_Offline_VFD1	AL V11 - Supply VFD offline	R	0	1	---
10164	164	163	AI_Offline_VFD2	AL V21 - Return VFD offline	R	0	1	---
10165	165	164	AI_Inlet_Cool_Temp	AL B04 - Cooling water temperature fault	R	0	1	---
10166	166	165	AI_Inlet_PreH_Temp	AL B05 - Pre-Heating water temperature fault	R	0	1	---
10167	167	166	AI_Inlet_PostH_Temp	AL B06 - Re-heating water temperature fault	R	0	1	---
10168	168	167	AI_Inlet_Common_Coil_Temp	AL B07 - Cool / Heat water temperature fault	R	0	1	---

00169	169	168	Regulation_Mode	Season/Auto regulation	R/W	0	1	---
00170	170	169	En_Double_Actions	Enable double action	R/W	0	1	---
00171	171	170	Regulation_Mode	Auto regulation of Humid/Dehumid	R/W	0	1	---
00172	172	171	Temp_Hum_Priority	Temperature or humidity priority	R/W	0	1	---
00173	173	172	Set_Protection_En	Room frost protection enable	R/W	0	1	---
00174	174	173	En_Sup_LT_Lim_Ctrl	Enable supply low temp. limit when adiabatic humidifier	R/W	0	1	---
00175	175	174	Summer_Winter_Auto_Fix	Summer Winter Auto/Fix selection (Auto Mode)	R/W	0	1	---
00176	176	175	Msk_Start_Cleaning	Start cleaning command	R/W	0	1	---
00177	177	176	Msk_Stop_Cleaning	Stop cleaning command	R/W	0	1	---
00178	178	177	Reset_VFD_Alarms	Reset supply VFD alarms	R/W	0	1	---
00179	179	178	Reset_VFD_Alarms	Reset return VFD alarms	R/W	0	1	---
00180	180	179	BMS_Season	Summer/Winter selection	R/W	0	1	---