



*Modbus table for connecting  
S31, S37 automation to BMS*

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EN

**USER'S MANUAL**

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**TO ENABLE OPERATION VIA THE MODBUS RTU PROTOCOL THROUGH THE RS-485 INTERFACE, DISCONNECT ALL THE WIRED CONTROL PANELS CONNECTED TO THE AIR HANDLING UNIT THROUGH THIS INTERFACE**

**SIMULTANEOUS OPERATION THROUGH RS-485, WI-FI, AND ETHERNET INTERFACES IS POSSIBLE**

**TO USE WIRED CONTROL PANELS, THE BMS MUST BE CONNECTED THROUGH WI-FI AND/OR ETHERNET INTERFACES VIA MODBUS TCP PROTOCOL**

### MODBUS PARAMETERS

Modbus RTU				
Baud rate	Number of data bits	Stop bits	Parity type	Address
9600	8	1	None (by default)	1-16
14400		1,5	even	1 (by default)
19200		2 (by default)	odd	
38400				
57600				
115200 (by default)				
Modbus TCP				
IP address**	Port	Maximum number of simultaneous TCP connections	TCP connection timeout	
Static	502	For Ethernet = 1, for Wi-Fi = 1	30 seconds	
DHCP (by default)				

\*Wi-Fi IP address in access point mode – 192.168.4.1

The RS-485, Wi-Fi, and Ethernet network parameters for air handling units are configured using a mobile application.

Maximum number of registers in one packet: 125 (for 16-bit registers) and 2000 (for 1-bit registers).

Supported modbus functions: 1; 2; 3; 4; 5; 6; 15; 16

### TABLE OF PARAMETERS

The following tables contain parameters and values that are displayed on the terminal and variables, which are sent to the dispatcher.

HEolus OEM can be connected to various control systems, in particular, the following BMS communication protocols can be used: Modbus® and BacNet™.

Modbus® address is the address specified in the Modbus® frame.

Buying an additional license activates BacNet.

BMS function code		BacNet function code	
IR	Input register	AV	Analog value
HR	Holding register	IV	Integer value
C	Heat exchanger	BV	Binary value
DI	Digital input	PIV	Positive integer value

#### INFO menu in main mask

Mask code	Description	Model	UoM	Range	R/W	Variable name	BMS	BacNet
Y00a	Supply temperature probe - Probe value	Real	°C		R	SupplyTemp.ReadVal	IR18	AV18
Y00a	Temperature setpoint	Real	°C		R	TempRegSetP	IR1	AV1
Y00a	Modulating heating output - Hardware value	Real	%		R	HeatVlv.HW_Val	IR19	AV19
Y00a	Modulating reverse output - Hardware value	Real	%		R	RevOutVlv.HW_Val	IR20	AV20
Y00a	Modulating cooling output - Hardware value	Real	%		R	CoolVlv.HW_Val	IR21	AV21
Y00a	Modulating cooling/heating signal - Hardware value	Real	%		R	Modul_CoolHeat_NoRev.HW_Val	IR22	AV22
Y00a	Modulating heat recovery output - Hardware value	Real	%		R	HeatRecovery.HW_Val	IR23	AV23
Y00a	Mixing / recirculation damper position	Real	%		R	MixDampReq	IR24	AV24
Y00a	Modulating reheating output - Hardware value	Real	%		R	ReHeatVlv.HW_Val	IR25	AV25
Y00h	Supply air pressure probe - Probe value	Real	Pa		R	SupplyAirP.ReadVal	IR74	AV74
Y00h	Supply air flow	Real	m³h		R	SupplyAirFlow	IR75	AV75
Y00h	Modulating supply fan - Hardware value	Real	%		R	ModulSupplyFan.HW_Val	IR76	AV76
Y00h	Supply fan - Value	Bool			R	SupplyFan.Ctrl	DI5	BV172
Y00i	Exhaust air pressure probe - Probe value	Real	Pa		R	ExhAirP.ReadVal	IR77	AV77
Y00i	Return air flow	Real	m³h		R	ExhAirFlow	IR78	AV78
Y00i	Modulating return fan - Hardware value	Real	%		R	ModulExhFan.HW_Val	IR79	AV79
Y00i	Return fan - Value	Bool			R	ExhFan.Ctrl	DI6	BV176
Y00j	Supply temperature probe - Probe value	Real	°C		R	SupplyTemp.ReadVal	IR18	AV18
Y00j	Return temperature probe - Probe value	Real	°C		R	RetTemp.ReadVal	IR80	AV80
Y00j	External temperature probe - Probe value	Real	°C		R	ExtTemp.ReadVal	IR81	AV81
Y00j	Exhaust temperature probe - Probe value	Real	°C		R	ExhTemp.ReadVal	IR82	AV82
Y00j	Heating water temperature probe - Probe value	Real	°C		R	W_HeatCoilTemp.ReadVal	IR83	AV83
Y00k	Preheater water temperature probe - Probe value	Real	°C		R	W_PreHeatCoilTemp.ReadVal	IR84	AV84
Y00k	After preheating temperature probe - Probe value	Real	°C		R	AfterPreHeatCoilTemp.ReadVal	IR85	AV85

Mask code	Description	Model	UoM	Range	R/W	Variable name	BMS	BacNet
Y00k	thTune temperature value	Real	°C		R	Temp_THTN_1	IR86	AV86
Y00l	thTune humidity value	Real	% rh		R	Hum_THTN_1	IR87	AV87
Y00l	Supply humidity probe - Probe value	Real	% rh		R	SupplyHum.ReadVal	IR88	AV88
Y00l	Suction temperature probe - Probe value	Real	% rh		R	FreshAirHum.ReadVal	IR89	AV89
Y00l	Return CO2 sensor - Probe value	Real	ppm		R	RetAirCO2.ReadVal	IR90	AV90
Y00l	Return VOC sensor - Probe value	Real	%		R	RetAirVOC.ReadVal	IR91	AV91
Y00p	Digital input remote ON - Hardware value	Bool			R	RemoteOn.HW_Val	DI13	BV198
Y00p	Digital input remote ON - Input value	Bool			R	RemoteOn.ReadVal	DI14	BV199
Y00p	Digital input supply filter alarm - Hardware value	Bool			R	SupplyAlrmFilter.HW_Val	DI15	BV200
Y00p	Digital input supply filter alarm - Input value	Bool			R	SupplyAlrmFilter.ReadVal	DI16	BV201
Y00p	Digital input supply filter 2 alarm - Hardware value	Bool			R	SupplyAlrmFilter_2.HW_Val	DI17	BV202
Y00p	Digital input supply filter 2 alarm - Input value	Bool			R	SupplyAlrmFilter_2.ReadVal	DI18	BV203
Y00p	Digital input return filter alarm - Hardware value	Bool			R	ReturnAlrmFilter.HW_Val	DI19	BV204
Y00p	Digital input return filter alarm - Input value	Bool			R	ReturnAlrmFilter.ReadVal	DI20	BV205
Y00q	Heating device freezing - Hardware value	Bool			R	FreezeHeat_Alrm.HW_Val	DI21	BV206
Y00q	Heating device freezing - Input value	Bool			R	FreezeHeat_Alrm.ReadVal	DI22	BV207
Y00q	Heating device alarm - Hardware value	Bool			R	DIN_AIHeat.HW_Val	DI23	BV208
Y00q	Heating device alarm - Input value	Bool			R	DIN_AIHeat.ReadVal	DI24	BV209
Y00q	Digital input cooling alarm - Hardware value	Bool			R	CoolAlrm.HW_Val	DI25	BV210
Y00q	Digital input cooling alarm - Input value	Bool			R	CoolAlrm.ReadVal	DI26	BV211
Y00q	Digital input humidifier alarm - Hardware value	Bool			R	HumAlrm.HW_Val	DI27	BV212
Y00q	Digital input humidifier alarm - Input value	Bool			R	HumAlrm.ReadVal	DI28	BV213
Y00q	Digital input fire alarm - Hardware value	Bool			R	DIN_Fire.HW_Val	DI29	BV214
Y00q	Digital input fire alarm - Input value	Bool			R	DIN_Fire.ReadVal	DI30	BV215
Y00q	Digital input fan overload alarm - Hardware value	Bool			R	DIN_FanOvld.HW_Val	DI31	BV216
Y00q	Digital input fan overload alarm - Input value	Bool			R	DIN_FanOvld.ReadVal	DI32	BV217
Y00r	Digital input economy mode - Hardware value	Bool			R	DIN_Eco.HW_Val	DI33	BV218
Y00r	Digital input economy mode - Input value	Bool			R	DIN_Eco.ReadVal	DI34	BV219
Y00r	Digital input precomfort mode - Hardware value	Bool			R	DIN_PreComf.HW_Val	DI35	BV220
Y00r	Digital input precomfort mode - Input value	Bool			R	DIN_PreComf.ReadVal	DI36	BV221
Y00r	Digital input comfort mode - Hardware value	Bool			R	DIN_Comf.HW_Val	DI37	BV222
Y00r	Digital input comfort mode - Input value	Bool			R	DIN_Comf.ReadVal	DI38	BV223
Y00r	Digital input Winter/Summer - Hardware value	Bool			R	WinSum.HW_Val	DI39	BV224

Mask code	Description	Model	UoM	Range	R/W	Variable name	BMS	BacNet
Y00r	Digital input Winter/Summer - Input value	Bool			R	WinSum.ReadVal	DI40	BV225
Y00s	Exhaust air damper - Hardware value	Bool			R	ExhAirDamp.HW_Val	DI41	BV226
Y00s	Exhaust air damper - Value	Bool			R	ExhAirDamp.Ctrl	DI42	BV227
Y00s	Serious alarm - Hardware value	Bool			R	SrsAlrm.HW_Val	DI43	BV228
Y00s	Serious alarm - Value	Bool			R	SrsAlrm.Ctrl	DI44	BV229
Y00s	Heating device - Hardware value	Bool			R	Heat_1.HW_Val	DI45	BV230
Y00s	Heating device - Value	Bool			R	Heat_1.Ctrl	DI46	BV231
Y00s	Cooling device - Hardware value	Bool			R	Cool_1.HW_Val	DI47	BV232
Y00s	Cooling device - Value	Bool			R	Cool_1.Ctrl	DI48	BV233
Y00s	Supply fan - Hardware value	Bool			R	SupplyFan.HW_Val	DI49	BV234
Y00s	Supply fan - Value	Bool			R	SupplyFan.Ctrl	DI5	BV172
Y00t	Return fan - Hardware value	Bool			R	ExhFan.HW_Val	DI50	BV235
Y00t	Return fan - Value	Bool			R	ExhFan.Ctrl	DI6	BV176
Y00t	Cooling device 2nd step - Hardware value	Bool			R	Cool_2.HW_Val	DI51	BV236
Y00t	Cooling device 2nd step - Value	Bool			R	Cool_2.Ctrl	DI52	BV237
Y00t	Heating device 2nd step - Hardware value	Bool			R	Heat_2.HW_Val	DI53	BV238
Y00t	Heating device 2nd step - Value	Bool			R	Heat_2.Ctrl	DI54	BV239
Y00t	Cool/Heat device - Hardware value	Bool			R	CoolHeat.HW_Val	DI55	BV240
Y00t	Cool/Heat device - Value	Bool			R	CoolHeat.Ctrl	DI56	BV241
Y00t	Recovery device - Hardware value	Bool			R	RecoveryPump.HW_Val	DI57	BV242
Y00t	Recovery device - Value	Bool			R	RecoveryPump.Ctrl	DI58	BV243
Y00v	Humidifier device - Hardware value	Bool			R	Hum.HW_Val	DI59	BV244
Y00v	Humidifier device - Value	Bool			R	Hum.Ctrl	DI60	BV245
Y00v	Preheater - Hardware value	Bool			R	PreHeaterPump.HW_Val	DI61	BV246
Y00v	Preheater - Value	Bool			R	PreHeaterPump.Ctrl	DI62	BV247
Y00v	Reheating device - Hardware value	Bool			R	ReHeat.HW_Val	DI63	BV248
Y00v	Reheating device - Value	Bool			R	ReHeat.Ctrl	DI64	BV249
Y00v	Heating device - Hardware value	Bool			R	Heat_1.HW_Val	DI45	BV230
Y00v	Reverse device - Value	Bool			R	RevOut_1.Ctrl	DI65	BV250
Y00v	Heating device 2nd step - Hardware value	Bool			R	Heat_2.HW_Val	DI53	BV238
Y00v	Reverse device 2nd step - Value	Bool			R	RevOut_2.Ctrl	DI66	BV251
Y00x	Heating 3point valve open - Hardware value	Bool			R	HeatVlv_Op.HW_Val	DI77	BV262
Y00x	Heating 3point valve open - Value	Bool			R	HeatVlv_Op.Ctrl	DI78	BV263
Y00x	Heating 3point valve close - Hardware value	Bool			R	HeatVlv_CI.HW_Val	DI79	BV264
Y00x	Heating 3point valve close - Value	Bool			R	HeatVlv_CI.Ctrl	DI80	BV265
Y00x	Cooling 3point valve open - Hardware value	Bool			R	CoolVlv_Op.HW_Val	DI81	BV266
Y00x	Cooling 3point valve open - Value	Bool			R	CoolVlv_Op.Ctrl	DI82	BV267
Y00x	Cooling 3point valve close - Hardware value	Bool			R	CoolVlv_CI.HW_Val	DI83	BV268
Y00x	Cooling 3point valve close - Value	Bool			R	CoolVlv_CI.Ctrl	DI84	BV269
Y00y	Reverse 3point valve open - Hardware value	Bool			R	CoolHeatVlv_Op.HW_Val	DI85	BV270

Mask code	Description	Model	UoM	Range	R/W	Variable name	BMS	BacNet
Y00y	Reverse 3point valve open - Value	Bool			R	CoolHeatVlv_Op.Ctrl	DI86	BV271
Y00y	Reverse 3point valve close - Hardware value	Bool			R	CoolHeatVlv_CI.HW_Val	DI87	BV272
Y00y	Reverse 3point valve close - Value	Bool			R	CoolHeatVlv_CI.Ctrl	DI88	BV273
Y00y	Eco 3point valve open - Hardware value	Bool			R	MixVlv_Op.HW_Val	DI89	BV274
Y00y	Eco 3point valve open - Value	Bool			R	MixVlv_Op.Ctrl	DI90	BV275
Y00y	Eco 3point valve close - Hardware value	Bool			R	MixVlv_CI.HW_Val	DI91	BV276
Y00y	Eco 3point valve close - Value	Bool			R	MixVlv_CI.Ctrl	DI92	BV277
Y00z	Heat recovery 3point valve open - Hardware value	Bool			R	HeatRecVlv_Op.HW_Val	DI93	BV278
Y00z	Heat recovery 3point valve open - Value	Bool			R	HeatRecVlv_Op.Ctrl	DI94	BV279
Y00z	Heat recovery 3point valve close - Hardware value	Bool			R	HeatRecVlv_CI.HW_Val	DI95	BV280
Y00z	Heat recovery 3point valve close - Value	Bool			R	HeatRecVlv_CI.Ctrl	DI96	BV281
Y00z	Preheating 3point valve open - Hardware value	Bool			R	PreHeatVlv_Op.HW_Val	DI97	BV282
Y00z	Preheating 3point valve open - Value	Bool			R	PreHeatVlv_Op.Ctrl	DI98	BV283
Y00z	Preheating 3point valve close - Hardware value	Bool			R	PreHeatVlv_CI.HW_Val	DI99	BV284
Y00z	Preheating 3point valve close - Value	Bool			R	PreHeatVlv_CI.Ctrl	DI100	BV285
Y0a0	Reheating 3point valve open - Hardware value	Bool			R	ReHeatVlv_Op.HW_Val	DI101	BV286
Y0a0	Reheating 3point valve open - Value	Bool			R	ReHeatVlv_Op.Ctrl	DI102	BV287
Y0a0	Reheating 3point valve close - Hardware value	Bool			R	ReHeatVlv_CI.HW_Val	DI103	BV288
Y0a0	Reheating 3point valve close - Value	Bool			R	ReHeatVlv_CI.Ctrl	DI104	BV289
Y0a0	Recovery device - Hardware value	Bool			R	RecoveryStep1.HW_Val	DI105	BV290
Y0a0	Recovery device - Value	Bool			R	RecoveryStep1.Ctrl	DI106	BV291
Y0a0	Recovery device - Hardware value	Bool			R	RecoveryStep2.HW_Val	DI107	BV292
Y0a0	Recovery device - Value	Bool			R	RecoveryStep2.Ctrl	DI108	BV293
Y0ab	Modulating reverse output - Hardware value	Real	%		R	RevOutVlv.HW_Val	IR20	AV20
Y0ab	Modulating heating output - Hardware value	Real	%		R	HeatVlv.HW_Val	IR19	AV19
Y0ab	Modulating cooling output - Hardware value	Real	%		R	CoolVlv.HW_Val	IR21	AV21
Y0ab	Modulating heat recovery output - Hardware value	Real	%		R	HeatRecovery.HW_Val	IR23	AV23
Y0ab	Modulating humidifier output - Hardware value	Real	%		R	ModulHum.HW_Val	IR95	AV95

Mask code	Description	Model	UoM	Range	R/W	Variable name	BMS	BacNet
Y0ab	Modulating reheating output - Hardware value	Real	%		R	ReHeatVlv.HW_Val	IR25	AV25
Y0ac	Modulating supply fan - Hardware value	Real	%		R	ModulSupplyFan.HW_Val	IR76	AV76
Y0ac	Supply fan - Value	Bool			R	SupplyFan.Ctrl	DI5	BV172
Y0ac	Modulating return fan - Hardware value	Real	%		R	ModulExhFan.HW_Val	IR79	AV79
Y0ac	Return fan - Value	Bool			R	ExhFan.Ctrl	DI6	BV176
Y0ac	Modulating preheating output - Hardware value	Real	%		R	ModulPreHeat.HW_Val	IR96	AV96
Y0ac	Modulating mixing damper output - Hardware value	Real	%		R	ModulMixDamp.HW_Val	IR97	AV97
Y0ac	Modulating cooling/heating signal - Hardware value	Real	%		R	Modul_CoolHeat_NoRev.HW_Val	IR22	AV22
Y0ad	Supply fan - Value	Bool			R	SupplyFan.Ctrl	DI5	BV172
Y0ad	Modulating supply fan - Hardware value	Real	%		R	ModulSupplyFan.HW_Val	IR76	AV76
Y0ad	Ziehl Abegg supply fan - Actual speed [rpm] of the Zhiel-Abegg fan	UInt			R	MB_Devices.FanSpeedInfo_ZA_1.CurrSpeed_rpm	IR98	PIV98
Y0ad	Ziehl Abegg supply fan - Maximum set speed	UInt			R	MB_Devices.FanSpeedInfo_ZA_1.MaxSpeed_rpm	IR99	PIV99
Y0ad	Ziehl Abegg supply fan - Minimum set speed	UInt			R	MB_Devices.FanSpeedInfo_ZA_1.MinSpeed_rpm	IR100	PIV100
Y0ad	Ziehl Abegg supply fan electrical informations - DC link voltage (V)	UInt			R	MB_Devices.FanElectricalInfo_ZA_1.DC_LinkV	IR101	PIV101
Y0ad	Ziehl Abegg supply fan electrical informations - Supply voltage (peak voltage)	UInt			R	MB_Devices.FanElectricalInfo_ZA_1.LineV	IR102	PIV102
Y0ad	Ziehl Abegg supply fan electrical informations - Fan level of speed controller (0-100%)	USInt			R	MB_Devices.FanElectricalInfo_ZA_1.Modulation	IR103	PIV103
Y0ad	Ziehl Abegg supply fan electrical informations - Motor input power (W)	UInt			R	MB_Devices.FanElectricalInfo_ZA_1.MotPwr	IR104	PIV104
Y0ae	Ziehl Abegg supply fan electrical informations - Electronics temperature (°C)	Real			R	MB_Devices.FanElectricalInfo_ZA_1.ElectronicTemp	IR105	AV105
Y0ae	Ziehl Abegg supply fan electrical informations - IGBT temperature (°C)	Real			R	MB_Devices.FanElectricalInfo_ZA_1.IGBT_temp	IR106	AV106
Y0ae	Ziehl Abegg supply fan electrical informations - MCU temperature	Real			R	MB_Devices.FanElectricalInfo_ZA_1.MCU_Temp	IR107	AV107
Y0ae	Ziehl Abegg supply fan electrical informations - Motr temperature (°C)	Real			R	MB_Devices.FanElectricalInfo_ZA_1.MotTemp	IR108	AV108
Y0af	Return fan - Value	Bool			R	ExhFan.Ctrl	DI6	BV176
Y0af	Modulating return fan - Hardware value	Real	%		R	ModulExhFan.HW_Val	IR79	AV79
Y0af	Ziehl Abegg return fan speed informations - Actual speed [rpm] of the Zhiel-Abegg fan	UInt			R	MB_Devices.FanSpeedInfo_ZA_2.CurrSpeed_rpm	IR109	PIV109
Y0af	Ziehl Abegg return fan speed informations - Maximum set speed	UInt			R	MB_Devices.FanSpeedInfo_ZA_2.MaxSpeed_rpm	IR110	PIV110

Mask code	Description	Model	UoM	Range	R/W	Variable name	BMS	BacNet
Y0af	Ziehl Abegg return fan speed informations - Minimum set speed	UInt			R	MB_Devices.FanSpeedInfo_ZA_2.MinSpeed_rpm	IR111	PIV111
Y0af	Ziehl Abegg return fan electrical info - DC link voltage (V)	UInt			R	MB_Devices.FanElectricalInfo_ZA_2.DC_LinkV	IR112	PIV112
Y0af	Ziehl Abegg return fan electrical info - Supply voltage (peak voltage)	UInt			R	MB_Devices.FanElectricalInfo_ZA_2.LineV	IR113	PIV113
Y0af	Ziehl Abegg return fan electrical info - Fan level of speed controller (0-100%)	USInt			R	MB_Devices.FanElectricalInfo_ZA_2.Modulation	IR114	PIV114
Y0af	Ziehl Abegg return fan electrical info - Motor input power (W)	UInt			R	MB_Devices.FanElectricalInfo_ZA_2.MotPwr	IR115	PIV115
Y0ag	Ziehl Abegg return fan electrical info - Electronics temperature (°C)	Real			R	MB_Devices.FanElectricalInfo_ZA_2.ElectronicTemp	IR116	AV116
Y0ag	Ziehl Abegg return fan electrical info - IGBT temperature (°C)	Real			R	MB_Devices.FanElectricalInfo_ZA_2.IGBT_temp	IR117	AV117
Y0ag	Ziehl Abegg return fan electrical info - MCU temperature	Real			R	MB_Devices.FanElectricalInfo_ZA_2.MCU_Temp	IR118	AV118
Y0ag	Ziehl Abegg return fan electrical info - Motr temperature (°C)	Real			R	MB_Devices.FanElectricalInfo_ZA_2.MotTemp	IR119	AV119
Y0ah	Supply fan - Value	Bool			R	SupplyFan.Ctrl	DI5	BV172
Y0ah	Modulating supply fan - Hardware value	Real	%		R	ModulSupplyFan.HW_Val	IR76	AV76
Y0ah	EBM supply fan speed info - Current speed in [rpm] of the fan for Ebmpapst fan	UInt	rpm		R	MB_Devices.InfoSpeed_EBM_1.CurrSpeed	IR120	PIV120
Y0ah	EBM supply fan speed info - Maximum admissible speed: all read or speed in [rpm] settings are limited to this value for Ebmpapst fan	UInt	rpm		R	MB_Devices.InfoSpeed_EBM_1.MaxSpeed	IR121	PIV121
Y0ah	EBM supply fan electrical info - DC link voltage for Ebmpapst fan	UInt			R	MB_Devices.ElectrInfo_EBM_1.DC_Link_V	IR122	PIV122
Y0ah	EBM supply fan electrical info - DC link current for Ebmpapst fan	UInt			R	MB_Devices.ElectrInfo_EBM_1.DC_Link_A	IR123	PIV123
Y0ah	EBM supply fan electrical info - Current power in [W] for Ebmpapst fan	UInt	W		R	MB_Devices.ElectrInfo_EBM_1.CurrPower	IR124	PIV124
Y0ai	EBM supply fan electrical info - Internal circuit temperature for Ebmpapst fan	UInt	°C		R	MB_Devices.ElectrInfo_EBM_1.ElectrTemp	IR125	PIV125
Y0ai	Current rotation direction 0: Left; 1: Right; for Ebmpapst fan	UInt			R	MB_Devices.CurrRotDir_EBM_1	IR126	PIV126
Y0ai	EBM supply fan electrical info - Current modulation level in [%] for Ebmpapst fan	UInt	%		R	MB_Devices.ElectrInfo_EBM_1.CurrModulLev	IR127	PIV127
Y0aj	Return fan - Value	Bool			R	ExhFan.Ctrl	DI6	BV176
Y0aj	Modulating return fan - Hardware value	Real	%		R	ModulExhFan.HW_Val	IR79	AV79
Y0aj	EBM return fan speed info - Current speed in [rpm] of the fan for Ebmpapst fan	UInt	rpm		R	MB_Devices.InfoSpeed_EBM_2.CurrSpeed	IR128	PIV128



Mask code	Description	Model	UoM	Range	R/W	Variable name	BMS	BacNet
Y0aj	EBM return fan speed info - Maximum admissible speed: all read or speed in [rpm] settings are limited to this value for Ebmpapst fan	UInt	rpm		R	MB_Devices.InfoSpeed_EBM_2.MaxSpeed	IR129	PIV129
Y0aj	EBM return fan electrical info - DC link voltage for Ebmpapst fan	UInt			R	MB_Devices.ElectrInfo_EBM_2.DC_Link_V	IR130	PIV130
Y0aj	EBM return fan electrical info - DC link current for Ebmpapst fan	UInt			R	MB_Devices.ElectrInfo_EBM_2.DC_Link_A	IR131	PIV131
Y0aj	EBM return fan electrical info - Current power in [W] for Ebmpapst fan	UInt	W		R	MB_Devices.ElectrInfo_EBM_2.CurrPower	IR132	PIV132
Y0ak	EBM return fan electrical info - Internal circuit temperature for Ebmpapst fan	UInt	°C		R	MB_Devices.ElectrInfo_EBM_2.ElectrTemp	IR133	PIV133
Y0ak	Current rotation direction 0: Left; 1: Right; for Ebmpapst fan	UInt			R	MB_Devices.CurrRotDir_EBM_2	IR134	PIV134
Y0ak	EBM return fan electrical info - Current modulation level in [%] for Ebmpapst fan	UInt	%		R	MB_Devices.ElectrInfo_EBM_2.CurrModulLev	IR135	PIV135
Y0ax	Current version of the application according to standard - X version of the application	UInt			R	CurrVer.X	IR178	PIV178
Y0ax	Current version of the application according to standard - Y version of the application	UInt			R	CurrVer.Y	IR179	PIV179
Y0ax	Current version of the application according to standard - Z version of the application	UInt			R	CurrVer.Z	IR180	PIV180
Y0ax	Current version of the application according to standard - Beta version enable	Bool			R	CurrVer.IsBeta	DI223	BV494
Y0ax	Current version of the application according to standard - D version of the application	UInt			R	CurrVer.D	IR181	PIV181
Y0ax	Application version	UDInt			R	GeneralMng.OsVersion[1]	IR182	PIV182
Y0ax	Application version	UDInt			R	GeneralMng.OsVersion[2]	IR184	PIV184
Y0ax	Application version	UDInt			R	GeneralMng.OsVersion[3]	IR186	PIV186
Y0ay	Type of board (12 = c.pCO, 13 = uPC, 14 = c.pCO mini) and size (10 = Large, 11 = Medium, 12 = Small, 13 = XL, 20 = Basic, 21 = Enhanced, 22 = High End)	UDInt			R	BoardTyp[1]	IR188	PIV188
Y0ay	Type of board (12 = c.pCO, 13 = uPC, 14 = c.pCO mini) and size (10 = Large, 11 = Medium, 12 = Small, 13 = XL, 20 = Basic, 21 = Enhanced, 22 = High End)	UDInt			R	BoardTyp[2]	IR190	PIV190
Y0ay	Automatically generated	UDInt			R	MemWritingsNo	IR192	PIV192
Y0ay	Program speed in ms	UInt	ms		R	PrgCycleMs	IR194	PIV194
Y0ay	Program speed in CyclePerSecond	Real			R	CyclesPerSecond	IR195	AV195
Y0ay	PollingTime	UDInt	s		R	PollingTime	IR196	PIV196

## SET menu in main mask

Mask code	Description	Model	UoM	Range	R/W	Variable name	BMS	BacNet
Z00a	Temperature	Real	°C		R	TempRegSetP	IR1	AV1
Z00a	Temperature regulation probe type	USInt			R	AppTempReg	IR2	PIV2
Z00a	Actual room temperature setpoint	Real	°C		R	CurrRoomTempSetP_Val	IR3	AV3
Z00a	Actual humidity setpoint	Real			R	CurrHumSetP_Val	IR4	AV4
Z00a	Current air quality setpoint	Real			R	CurrAirQualitySetP_Val	IR5	AV5
Z00a	Current air quality setpoint	Real			R	VOC_QualitySetP_Val	IR6	AV6
Z00b	Air flow current setpoint	Real	m³ h		R	CurrAirFlwSetP_Val	IR7	AV7
Z00b	Current air flow setpoint	Real	m³ h		R	CurrRetAirFlwSetP_Val	IR8	AV8
Z00b	VAV supply setpoint	Real	Pa		R	VAV_SupplySet	IR9	AV9
Z00b	CAV supply setpoint	Real	m³ h		R	CAV_SupplySet	IR10	AV10
Z00b	Unit of measure for user interface	DIInt			R	Uom_Msk		
Z00b	VAV return setpoint	Real	Pa		R	VAV_RetSet	IR11	AV11
Z00b	CAV return setpoint	Real	m³ h		R	CAV_RetSet	IR12	AV12
Z00b	Unit of measure for user interface	DIInt			R	Uom_Msk		
Z001	Supply temperature setpoint - Economy	Real	°C	SupplyMinSet... SupplyMaxSet	R/W	UnitSetP.SupplyTempSetP. Economy	HR1	AV1
Z002	Supply temperature setpoint - PreComfort	Real	°C	SupplyMinSet... SupplyMaxSet	R/W	UnitSetP.SupplyTempSetP. PreComfort	HR2	AV2
Z003	Supply temperature setpoint - Comfort	Real	°C	SupplyMinSet... SupplyMaxSet	R/W	UnitSetP.SupplyTempSetP. Comfort	HR3	AV3
Z004	Room temperature setpoint - Economy	Real	°C	SetMinLimit... SetMaxLimit	R/W	UnitSetP.RoomTempSetP. Economy	HR4	AV4
Z005	Room temperature setpoint - PreComfort	Real	°C	SetMinLimit... SetMaxLimit	R/W	UnitSetP.RoomTempSetP. PreComfort	HR5	AV5
Z006	Room temperature setpoint - Comfort	Real	°C	SetMinLimit... SetMaxLimit	R/W	UnitSetP.RoomTempSetP. Comfort	HR6	AV6
Z007	Humidity setpoint - Economy	Real	% rh	0.0...100.0	R/W	UnitSetP.HumSetPEconomy	HR7	AV7
Z008	Humidity setpoint - PreComfort	Real	% rh	0.0...100.0	R/W	UnitSetP.HumSetP. PreComfort	HR8	AV8
Z009	Humidity setpoint - Comfort	Real	% rh	0.0...100.0	R/W	UnitSetP.HumSetP.Comfort	HR9	AV9
Z010	CO2 air quality setpoint - Economy	Real	ppm	0.0...9999.9	R/W	UnitSetP.AirQualitySetP. Economy	HR10	AV10
Z011	CO2 air quality setpoint - PreComfort	Real	ppm	0.0...9999.9	R/W	UnitSetP.AirQualitySetP. PreComfort	HR11	AV11
Z012	CO2 air quality setpoint - Comfort	Real	ppm	0.0...9999.9	R/W	UnitSetP.AirQualitySetP. Comfort	HR12	AV12
Z013	VOC air quality setpoint - Economy	Real	%	0.0...100.0	R/W	UnitSetP.VOC_QualitySetP. Economy	HR13	AV13
Z014	VOC air quality setpoint - PreComfort	Real	%	0.0...100.0	R/W	UnitSetP.VOC_QualitySetP. PreComfort	HR14	AV14
Z015	VOC air quality setpoint - Comfort	Real	%	0.0...100.0	R/W	UnitSetP.VOC_QualitySetP. Comfort	HR15	AV15
Z016	Air flow setpoint - Economy	Real	%	MinFanPwr...100.0	R/W	UnitSetP.AirFlwSetP. Economy	HR16	AV16
Z017	Air flow setpoint - PreComfort	Real	%	MinFanPwr...100.0	R/W	UnitSetP.AirFlwSetP. PreComfort	HR17	AV17
Z018	Air flow setpoint - Comfort	Real	%	MinFanPwr...100.0	R/W	UnitSetP.AirFlwSetP.Comfort	HR18	AV18

Mask code	Description	Model	UoM	Range	R/W	Variable name	BMS	BacNet
Z019	Return air flow setpoint - Economy	Real		MinFanPwr...100.0	R/W	UnitSetP.RetAirFlwSetP. Economy	HR19	AV19
Z020	Return air flow setpoint - PreComfort	Real		MinFanPwr...100.0	R/W	UnitSetP.RetAirFlwSetP. PreComfort	HR20	AV20
Z021	Return air flow setpoint - Comfort	Real		MinFanPwr...100.0	R/W	UnitSetP.RetAirFlwSetP. Comfort	HR21	AV21
Z00c	Index of the zone	UInt		0...999	R/W	GeneralMng.Zone_TZ	HR22	PIV22
Z00c	Writing of new day value enabled	UInt		1...31	R/W	DayIn	HR23	PIV23
Z00c	Writing of new month value enabled	UInt		1...12	R/W	MonthIn	HR24	PIV24
Z00c	Writing of new year value enabled	UInt		0...99	R/W	YearIn	HR25	PIV25
Z00c	Day of week	UInt			R	DayOfWeek	IR13	PIV13
Z00c	Writing of new Hour value enabled	UInt		0...24	R/W	HourIn	HR26	PIV26
Z00c	Writing of new minute value enabled	UInt	min	0...59	R/W	MinuteIn	HR27	PIV27
Z00c	Writing of new seconds value enabled	UInt		0...59	R/W	SecondIn	HR28	PIV28
Z00c	Scheduler active	Bool			R	SchedActive	DI1	BV42
Z00c		Bool			R	Scheduler_OnOffUnit. Scheduler _1.DaySchedActive	DI2	BV43
Z00c		Bool			R	Scheduler_OnOffUnit. Scheduler _1.VacationActive	DI3	BV44
Z00c		Bool			R	Scheduler_OnOffUnit. Scheduler _1.SpecDayActive	DI4	BV45
Z00c	Unit status currently active	USInt			R	CurrUnitStatus	IR14	PIV14
Z00d		DInt		0...6	R/W	Scheduler_OnOffUnit. Scheduler _1.Day	HR29	IV29
Z00d		DInt		0...7	R/W	Scheduler_OnOffUnit. Scheduler _1.CopyTo_Day	HR31	IV31
Z00d		USInt		0...1	R/W	Scheduler_OnOffUnit. Scheduler _1.EnDayCopy	HR33	PIV33
Z00d	Daily event enabled	Bool		0...1	R/W	Scheduler_OnOffUnit. Scheduler _1.Event_Msk[0].Enabled	C1	BV50
Z00d	Starting time of the daily event (hour)	USInt		0...23	R/W	Scheduler_OnOffUnit. Scheduler _1.Event_Msk[0].Hours	HR34	PIV34
Z00d	Starting time of the daily event (minute)	USInt		0...59	R/W	Scheduler_OnOffUnit. Scheduler _1.Event_Msk[0].Mins	HR35	PIV35
Z00d	Unit status of the daily event (0=OFF; 1=ECONOMY; 2=PRE-COMFORT; 3=COMFORT)	USInt		0...3	R/W	Scheduler_OnOffUnit. Scheduler _1.Event_Msk[0].UnitStatus	HR36	PIV36
Z00d	Daily event enabled	Bool		0...1	R/W	Scheduler_OnOffUnit. Scheduler _1.Event_Msk[1].Enabled	C2	BV54
Z00d	Starting time of the daily event (hour)	USInt		0...23	R/W	Scheduler_OnOffUnit. Scheduler _1.Event_Msk[1].Hours	HR37	PIV37
Z00d	Starting time of the daily event (minute)	USInt		0...59	R/W	Scheduler_OnOffUnit. Scheduler _1.Event_Msk[1].Mins	HR38	PIV38
Z00d	Unit status of the daily event (0=OFF; 1=ECONOMY; 2=PRE-COMFORT; 3=COMFORT)	USInt		0...3	R/W	Scheduler_OnOffUnit. Scheduler _1.Event_Msk[1].UnitStatus	HR39	PIV39

Mask code	Description	Model	UoM	Range	R/W	Variable name	BMS	BacNet
Z00d	Daily event enabled	Bool		0...1	R/W	Scheduler_OnOffUnit. Scheduler _1.Event_Msk[2].Enabled	C3	BV58
Z00d	Starting time of the daily event (hour)	USInt		0...23	R/W	Scheduler_OnOffUnit. Scheduler _1.Event_Msk[2].Hours	HR40	PIV40
Z00d	Starting time of the daily event (minute)	USInt		0...59	R/W	Scheduler_OnOffUnit. Scheduler _1.Event_Msk[2].Mins	HR41	PIV41
Z00d	Unit status of the daily event (0=OFF; 1=ECONOMY; 2=PRE-COMFORT; 3=COMFORT)	USInt		0...3	R/W	Scheduler_OnOffUnit. Scheduler _1.Event_Msk[2].UnitStatus	HR42	PIV42
Z00d	Daily event enabled	Bool		0...1	R/W	Scheduler_OnOffUnit. Scheduler _1.Event_Msk[3].Enabled	C4	BV62
Z00d	Starting time of the daily event (hour)	USInt		0...23	R/W	Scheduler_OnOffUnit. Scheduler _1.Event_Msk[3].Hours	HR43	PIV43
Z00d	Starting time of the daily event (minute)	USInt		0...59	R/W	Scheduler_OnOffUnit. Scheduler _1.Event_Msk[3].Mins	HR44	PIV44
Z00d	Unit status of the daily event (0=OFF; 1=ECONOMY; 2=PRE-COMFORT; 3=COMFORT)	USInt		0...3	R/W	Scheduler_OnOffUnit. Scheduler _1.Event_Msk[3].UnitStatus	HR45	PIV45
Z00d	Messages to be displayed for daily events	USInt			R	Scheduler_OnOffUnit. Scheduler _1.DaysSchedMsg	IR15	PIV15
Z00d		USInt		0...1	R/W	Scheduler_OnOffUnit. Scheduler _1.SaveData	HR46	PIV46
Z00e	Holiday period enabled	Bool		0...1	R/W	Scheduler_OnOffUnit. Scheduler _1.VacationsSched[0]. Enabled	C5	BV68
Z00e	First day of period	USInt		1...31	R/W	Scheduler_OnOffUnit. Scheduler _1.VacationsSched[0]. StartDay	HR47	PIV47
Z00e	First month of period	USInt		1...12	R/W	Scheduler_OnOffUnit. Scheduler _1.VacationsSched[0]. StartMonth	HR48	PIV48
Z00e	Last day of period	USInt		1...31	R/W	Scheduler_OnOffUnit. Scheduler _1.VacationsSched[0]. EndDay	HR49	PIV49
Z00e	Last month of period	USInt		1...12	R/W	Scheduler_OnOffUnit. Scheduler _1.VacationsSched[0]. EndMonth	HR50	PIV50
Z00e	Unit status of the holiday period (0=OFF; 1=ECONOMY; 2=PRE-COMFORT; 3=COMFORT)	USInt		0...3	R/W	Scheduler_OnOffUnit. Scheduler _1.VacationsSched[0]. UnitStatus	HR51	PIV51
Z00e	Holiday period enabled	Bool		0...1	R/W	Scheduler_OnOffUnit. Scheduler _1.VacationsSched[1]. Enabled	C6	BV74
Z00e	First day of period	USInt		1...31	R/W	Scheduler_OnOffUnit. Scheduler _1.VacationsSched[1]. StartDay	HR52	PIV52

Mask code	Description	Model	UoM	Range	R/W	Variable name	BMS	BacNet
Z00e	First month of period	USInt		1...12	R/W	Scheduler_OnOffUnit. Scheduler _1.VacationsSched[1]. StartMont h	HR53	PIV53
Z00e	Last day of period	USInt		1...31	R/W	Scheduler_OnOffUnit. Scheduler _1.VacationsSched[1]. EndDay	HR54	PIV54
Z00e	Last month of period	USInt		1...12	R/W	Scheduler_OnOffUnit. Scheduler _1.VacationsSched[1]. EndMonth	HR55	PIV55
Z00e	Unit status of the holiday period (0=OFF; 1=ECONOMY; 2=PRE-COMFORT; 3=COMFORT)	USInt		0...3	R/W	Scheduler_OnOffUnit. Scheduler _1.VacationsSched[1]. UnitStatus	HR56	PIV56
Z00e	Holiday period enabled	Bool		0...1	R/W	Scheduler_OnOffUnit. Scheduler _1.VacationsSched[2]. Enabled	C7	BV80
Z00e	First day of period	USInt		1...31	R/W	Scheduler_OnOffUnit. Scheduler _1.VacationsSched[2]. StartDay	HR57	PIV57
Z00e	First month of period	USInt		1...12	R/W	Scheduler_OnOffUnit. Scheduler _1.VacationsSched[2]. StartMont h	HR58	PIV58
Z00e	Last day of period	USInt		1...31	R/W	Scheduler_OnOffUnit. Scheduler _1.VacationsSched[2]. EndDay	HR59	PIV59
Z00e	Last month of period	USInt		1...12	R/W	Scheduler_OnOffUnit. Scheduler _1.VacationsSched[2]. EndMonth	HR60	PIV60
Z00e	Unit status of the holiday period (0=OFF; 1=ECONOMY; 2=PRE-COMFORT; 3=COMFORT)	USInt		0...3	R/W	Scheduler_OnOffUnit. Scheduler _1.VacationsSched[2]. UnitStatus	HR61	PIV61
Z00e	Messages to be displayed for vacation periods	USInt			R	Scheduler_OnOffUnit. Scheduler _1.VacationsMsg	IR16	PIV16
Z00f	Special day enabled	Bool		0...1	R/W	Scheduler_OnOffUnit. Scheduler _1.SpecDaysSched[0]. Enabled	C8	BV87
Z00f	Special day	USInt		1...31	R/W	Scheduler_OnOffUnit. Scheduler _1.SpecDaysSched[0]. SpecialDa y	HR62	PIV62
Z00f	Special month	USInt		1...12	R/W	Scheduler_OnOffUnit. Scheduler _1.SpecDaysSched[0]. SpecialM onth	HR63	PIV63
Z00f	Unit status of the special day (0=OFF; 1=ECONOMY; 2=PRE-COMFORT; 3=COMFORT; 4=AUTO)	USInt		0...4	R/W	Scheduler_OnOffUnit. Scheduler _1.SpecDaysSched[0]. UnitStatu s	HR64	PIV64
Z00f	Special day enabled	Bool		0...1	R/W	Scheduler_OnOffUnit. Scheduler _1.SpecDaysSched[1]. Enabled	C9	BV91

Mask code	Description	Model	UoM	Range	R/W	Variable name	BMS	BacNet
Z00f	Special day	USInt		1...31	R/W	Scheduler_OnOffUnit. Scheduler _1.SpecDaysSched[1]. SpecialDa y	HR65	PIV65
Z00f	Special month	USInt		1...12	R/W	Scheduler_OnOffUnit. Scheduler _1.SpecDaysSched[1]. SpecialM onth	HR66	PIV66
Z00f	Unit status of the special day (0=OFF; 1=ECONOMY; 2=PRE-COMFORT; 3=COMFORT; 4=AUTO)	USInt		0..4	R/W	Scheduler_OnOffUnit. Scheduler _1.SpecDaysSched[1]. UnitStatu s	HR67	PIV67
Z00f	Special day enabled	Bool		0..1	R/W	Scheduler_OnOffUnit. Scheduler _1.SpecDaysSched[2]. Enabled	C10	BV95
Z00f	Special day	USInt		1...31	R/W	Scheduler_OnOffUnit. Scheduler _1.SpecDaysSched[2]. SpecialDa y	HR68	PIV68
Z00f	Special month	USInt		1...12	R/W	Scheduler_OnOffUnit. Scheduler _1.SpecDaysSched[2]. SpecialM onth	HR69	PIV69
Mask code	Description	Type	UoM	Range	R/W	Variable Name	BMS	BacNet
Z00f	Unit status of the special day (0=OFF; 1=ECONOMY; 2=PRE-COMFORT; 3=COMFORT; 4=AUTO)	USInt		0..4	R/W	Scheduler_OnOffUnit. Scheduler _1.SpecDaysSched[2]. UnitStatu s	HR70	PIV70
Z00f	Special day enabled	Bool		0..1	R/W	Scheduler_OnOffUnit. Scheduler _1.SpecDaysSched[3]. Enabled	C11	BV99
Z00f	Special day	USInt		1...31	R/W	Scheduler_OnOffUnit. Scheduler _1.SpecDaysSched[3]. SpecialDa y	HR71	PIV71
Z00f	Special month	USInt		1...12	R/W	Scheduler_OnOffUnit. Scheduler _1.SpecDaysSched[3]. SpecialM onth	HR72	PIV72
Z00f	Unit status of the special day (0=OFF; 1=ECONOMY; 2=PRE-COMFORT; 3=COMFORT; 4=AUTO)	USInt		0..4	R/W	Scheduler_OnOffUnit. Scheduler _1.SpecDaysSched[3]. UnitStatu s	HR73	PIV73
Z00f	Special day enabled	Bool		0..1	R/W	Scheduler_OnOffUnit. Scheduler _1.SpecDaysSched[4]. Enabled	C12	BV103
Z00f	Special day	USInt		1...31	R/W	Scheduler_OnOffUnit. Scheduler _1.SpecDaysSched[4]. SpecialDa y	HR74	PIV74
Z00f	Special month	USInt		1...12	R/W	Scheduler_OnOffUnit. Scheduler _1.SpecDaysSched[4]. SpecialM onth	HR75	PIV75
Z00f	Unit status of the special day (0=OFF; 1=ECONOMY; 2=PRE-COMFORT; 3=COMFORT; 4=AUTO)	USInt		0..4	R/W	Scheduler_OnOffUnit. Scheduler _1.SpecDaysSched[4]. UnitStatu s	HR76	PIV76

Mask code	Description	Model	UoM	Range	R/W	Variable name	BMS	BacNet
Z00f	Special day enabled	Bool		0...1	R/W	Scheduler_OnOffUnit. Scheduler _1.SpecDaysSched[5]. Enabled	C13	BV107
Z00f	Special day	USInt		1...31	R/W	Scheduler_OnOffUnit. Scheduler _1.SpecDaysSched[5]. SpecialDa y	HR77	PIV77
Z00f	Special month	USInt		1...12	R/W	Scheduler_OnOffUnit. Scheduler _1.SpecDaysSched[5]. SpecialM onth	HR78	PIV78
Z00f	Unit status of the special day (0=OFF; 1=ECONOMY; 2=PRE-COMFORT; 3=COMFORT; 4=AUTO)	USInt		0...4	R/W	Scheduler_OnOffUnit. Scheduler _1.SpecDaysSched[5]. UnitStatu s	HR79	PIV79
Z00f	Messages to be displayed for special days	USInt			R	Scheduler_OnOffUnit. Scheduler _1.SpecDaysMsg	IR17	PIV17
Z021	Language	DInt		0...2	R/W	LangChange	HR80	IV80

**MODE menu in main mask**

<b>Mask code</b>	<b>Description</b>	<b>Type</b>	<b>UoM</b>	<b>Range</b>	<b>R/W</b>	<b>Variable Name</b>	<b>BMS</b>	<b>BacNet</b>
X00a	Current mode	USInt		0...MaxSetTyp	R/W	SetTyp	HR82	PIV82
X00a	Machine status	USInt			R	OnOffStatus	IR198	PIV198



## HEATING menu in main menu

Mask code	Description	Type	UoM	Range	R/W	Variable Name	BMS	BacNet
-	Heating device - Hardware value	Bool			R	Heat_1.HW_Val	DI45	BV230
-	Heating device - Value	Bool			R	Heat_1.Ctrl	DI46	BV231
-	Hours counter heating device	UDInt			R	HC_Heat_1.Hrs	IR225	PIV225
A001	Hours counter heating device	UDInt		0...999999	R/W	HC_Heat_1.MaintThrsh	HR169	PIV169
A002	Hours counter heating device	Bool		0..1	R/W	HC_Heat_1.Res	C24	BV622
A003	Heating device - Manual value	USInt		0..2	R/W	Heat_1.Man	HR171	PIV171
A004	Modulating heating output - Manual mode analog output	USInt		0...101	R/W	HeatVlv.Man	HR172	PIV172
-	Heating device 2nd step - Hardware value	Bool			R	Heat_2.HW_Val	DI53	BV238
-	Heating device 2nd step - Value	Bool			R	Heat_2.Ctrl	DI54	BV239
-	Hours counter heating 2nd step	UDInt			R	HC_Heat_2.Hrs	IR227	PIV227
A005	Hours counter heating 2nd step	UDInt		0...999999	R/W	HC_Heat_2.MaintThrsh	HR173	PIV173
A006	Hours counter heating 2nd step	Bool		0..1	R/W	HC_Heat_2.Res	C25	BV627
A007	Heating device 2nd step - Manual value	USInt		0..2	R/W	Heat_2.Man	HR175	PIV175
-	Preheater - Hardware value	Bool			R	PreHeaterPump.HW_Val	DI61	BV246
-	Preheater - Value	Bool			R	PreHeaterPump.Ctrl	DI62	BV247
-	Hours counter preheating	UDInt			R	HC_PreHeat.Hrs	IR229	PIV229
A008	Hours counter preheating	UDInt		0...999999	R/W	HC_PreHeat.MaintThrsh	HR176	PIV176
A009	Hours counter preheating	Bool		0..1	R/W	HC_PreHeat.Res	C26	BV631
A010	Preheater - Manual value	USInt		0..2	R/W	PreHeaterPump.Man	HR178	PIV178
A011	Modulating preheating output - Manual mode analog output	USInt		0...101	R/W	ModulPreHeat.Man	HR179	PIV179
-	Reheating device - Hardware value	Bool			R	ReHeat.HW_Val	DI63	BV248
-	Reheating device - Value	Bool			R	ReHeat.Ctrl	DI64	BV249
-	Hours counter reheating	UDInt			R	HC_ReHeat.Hrs	IR231	PIV231
A012	Hours counter reheating	UDInt		0...999999	R/W	HC_ReHeat.MaintThrsh	HR180	PIV180
A013	Hours counter reheating	Bool		0..1	R/W	HC_ReHeat.Res	C27	BV636
A014	Reheating device - Manual value	USInt		0..2	R/W	ReHeat.Man	HR182	PIV182
A015	Modulating reheating output - Manual mode analog output	USInt		0...101	R/W	ReHeatVlv.Man	HR183	PIV183
-	Heating request	Real			R	Heating_PID_Seq[4]	IR233	AV233
A016	PID Heating regulation - Proportional gain	Real		0.0...999.9	R/W	DevCfg_PID_Seq_Heat[4].Kp	HR184	AV184
A017	PID Heating regulation - Integral time	UInt		0...65535	R/W	DevCfg_PID_Seq_Heat[4].Ti	HR185	PIV185
A018	Minimum heating request	Real	%	-999.9...999.9	R/W	MainHeatMin	HR186	AV186
A019	Hot water setpoint	Real	°C	-999.9...999.9	R/W	HW_Set	HR187	AV187
A020	Heating water valve PID - Proportional (Kp)	Real		0.0...999.9	R/W	PID_HeatHW.Kp	HR188	AV188
A021	Heating water valve PID - Integral (Ti)	UInt	s	0...65535	R/W	PID_HeatHW.Ti	HR189	PIV189
A022	Minimum heating request	Real	%	0.0...100.0	R/W	MainHW_MinPID	HR190	AV190
A023	Water heater antifreeze threshold	Real	°C	-999.9...999.9	R/W	W_HeatFreezeSet	HR191	AV191
A024	Minimum cooling request	UDInt	s	10...9999	R/W	HeatVlvOpenTime	HR192	PIV192
A025	Electical heaters power	Real		0.0...999.9	R/W	HE_Pwr[0]	HR194	AV194
A026	Electical heaters power	Real		0.0...999.9	R/W	HE_Pwr[1]	HR195	AV195
A027	Electical heaters power	Real		0.0...999.9	R/W	HE_Pwr[2]	HR196	AV196

A028	Time minimum ON heating device	UInt	s	0...65535	R/W	HeatMinOnT	HR197	PIV197
A029	Time minimum OFF heating device	UInt	s	0...65535	R/W	HeatMinOffT	HR198	PIV198
A030	Time minimum ON ON heater device	UInt	s	0...65535	R/W	HeatMinOnOnSameT	HR199	PIV199
A031	Threshold to switch ON 1st heating device	Real	%	0.0...100.0	R/W	ThrshOnHeat_1	HR200	AV200
A032	Threshold to switch OFF 1st heating device	Real	%	-999.9...999.9	R/W	ThrshOffHeat_1	HR201	AV201
A033	Threshold to switch ON 2nd heating device	Real	%	0.0...100.0	R/W	ThrshOnHeat_2	HR202	AV202
A034	Threshold to switch OFF 2nd heating device	Real	%	-999.9...999.9	R/W	ThrshOffHeat_2	HR203	AV203
-	Heating request	Real			R	Heating_PID_Seq[6]	IR234	AV234
A035	PID Heating regulation - Proportional gain	Real		-999.9...999.9	R/W	DevCfg_PID_Seq_Heat[6].Kp	HR204	AV204
A036	PID Heating regulation - Integral time	UInt		0...65535	R/W	DevCfg_PID_Seq_Heat[6].Ti	HR205	PIV205
A037	Minimum reheater request	Real	%	0.0...100.0	R/W	ReHeatMin	HR206	AV206
A038	ReHeater power	Real		-999.9...999.9	R/W	ReHeatHE_Pwr[0]	HR207	AV207
A039	ReHeater power	Real		-999.9...999.9	R/W	ReHeatHE_Pwr[1]	HR208	AV208
A040	Time minimum ON reheater device	UInt	s	0...65535	R/W	ReHeatMinOnT	HR209	PIV209
A041	Time minimum OFF reheater device	UInt	s	0...65535	R/W	ReHeatMinOffT	HR210	PIV210
A042	Time minimum ON ON reheater device	UInt	s	0...65535	R/W	ReHeatMinOnOnSameT	HR211	PIV211
A043	Minimum reheater hot water valve	Real	%	0.0...100.0	R/W	ReHW_MinPID	HR212	AV212
A044	Minimum cooling request	UDInt	s	10...9999	R/W	ReHeatVlvOpenTime	HR213	PIV213
-	Preheater request	Real	%		R	AfterPreHeatReq	IR235	AV235
A045	Preheating coil PID - Setpoint	Real	°C	-999.9...999.9	R/W	PID_PreHeatCoil.SetP	HR215	AV215
A046	Preheating coil PID - Proportional (Kp)	Real		-999.9...999.9	R/W	PID_PreHeatCoil.Kp	HR216	AV216
A047	Preheating coil PID - Integral (Ti)	UInt	s	0...65535	R/W	PID_PreHeatCoil.Ti	HR217	PIV217
A048	Minimum preheater request	Real		0.0...999.9	R/W	PreHeatMin	HR218	AV218
A049	Preheater power	Real		-999.9...999.9	R/W	PreHeatHE_Pwr[0]	HR219	AV219
A050	Preheater power	Real		-999.9...999.9	R/W	PreHeatHE_Pwr[1]	HR220	AV220
A051	Time minimum ON preheater device	UInt	s	0...65535	R/W	PreHeatMinOnT	HR221	PIV221
A052	Time minimum OFF preheater device	UInt	s	0...65535	R/W	PreHeatMinOffT	HR222	PIV222
A053	Time minimum ON ON preheater device	UInt	s	0...65535	R/W	PreheatMinOnOnSameT	HR223	PIV223
-	Preheater antifreeze request	Real	%		R	PreW_AfreezeReq	IR236	AV236
A054	Preheater setpoint	Real	°C	-999.9...999.9	R/W	PreHeatSet	HR224	AV224
A055	Preheater PID - Proportional (Kp)	Real		-999.9...999.9	R/W	PID_PreHeatHW.Kp	HR225	AV225
A056	Preheater PID - Integral (Ti)	UInt	s	0...65535	R/W	PID_PreHeatHW.Ti	HR226	PIV226
A057	Minimum preheater hot water valve	Real	%	0.0...100.0	R/W	PreHW_MinPID	HR227	AV227
A058	Preheater antifreeze threshold	Real	°C	-999.9...999.9	R/W	W_PreHeatFreezeSet	HR228	AV228
A059	Minimum cooling request	UDInt	s	10...9999	R/W	PreHeatVlvOpenTime	HR229	PIV229
A060	Antifreeze procedure minimum external temperature	Real	°C	-999.9...999.9	R/W	AFreezeExtMinTemp	HR231	AV231
A061	Antifreeze procedure maximum external temperature	Real	°C	-999.9...999.9	R/W	AFreezeExtMaxTemp	HR232	AV232
A062	Antifreeze procedure minimum time	UInt	s	0...65535	R/W	AFreezeHeatMinT	HR233	PIV233

A063	Antifreeze procedure max time	UInt	s	0..65535	R/W	AFreezeHeatMaxT	HR234	PIV234
A064	Antifreeze procedure minimum opening	Real	%	-999.9...999.9	R/W	AfreezeHeatMin	HR235	AV235
A065	Antifreeze procedure maximum opening	Real	%	-999.9...999.9	R/W	AfreezeHeatMax	HR236	AV236
A066		Int	s	0..9999	R/W	OnT_Pmp_inOff	HR237	IV237
A067		Int	s	0..9999	R/W	OffT_Pmp_inOff	HR238	IV238
A068	Low supply temperature threshold	Real	°C	-999.9...999.9	R/W	LowSupplyTempThrsh	HR239	AV239
A069	Low supply temperature alarm delay time at unit in run mode	UInt	s	0..65535	R/W	LowTempAlrmDT_Run	HR240	PIV240

## COOLING menu in main menu

Mask code	Description	Model	UoM	Range	R/W	Variable name	BMS	BacNet
-	Cooling device - Hardware value	Bool			R	Cool_1.HW_Val	DI47	BV232
-	Cooling device - Value	Bool			R	Cool_1.Ctrl	DI48	BV233
-	Hours counter cooling	UDInt			R	HC_Cool_1.Hrs	IR215	PIV215
B001	Hours counter cooling	UDInt		0...999999	R/W	HC_Cool_1.MaintThrsh	HR107	PIV107
B002	Hours counter cooling	Bool		0...1	R/W	HC_Cool_1.Res	C20	BV555
B003	Cooling device - Manual value	USInt		0...2	R/W	Cool_1.Man	HR109	PIV109
B004	Modulating cooling output - Manual mode analog output	USInt		0...101	R/W	CoolVlv.Man	HR110	PIV110
-	Cooling device 2nd step - Hardware value	Bool			R	Cool_2.HW_Val	DI51	BV236
-	Cooling device 2nd step - Value	Bool			R	Cool_2.Ctrl	DI52	BV237
-	Hours counter cooling 2nd step	UDInt			R	HC_Cool_2.Hrs	IR217	PIV217
B005	Hours counter cooling 2nd step	UDInt		0...999999	R/W	HC_Cool_2.MaintThrsh	HR111	PIV111
B006	Hours counter cooling 2nd step	Bool		0...1	R/W	HC_Cool_2.Res	C21	BV560
B007	Cooling device 2nd step - Manual value	USInt		0...2	R/W	Cool_2.Man	HR113	PIV113
-	Cooling request	Real			R	Cooling_PID_Seq[4]	IR219	AV219
B008	PID Cooling regulation - Proportional gain	Real		-999.9...999.9	R/W	DevCfg_PID_Seq_Cool[4].Kp	HR114	AV114
B009	PID Cooling regulation - Integral time	UInt		0...65535	R/W	DevCfg_PID_Seq_Cool[4].Ti	HR115	PIV115
B010	Minimum cooling request	Real	%	0.0...100.0	R/W	MainCoolMin	HR116	AV116
B011	Time minimum ON cooling device	UInt	s	0...65535	R/W	CoolMinOnT	HR117	PIV117
B012	Time minimum OFF cooling device	UInt	s	0...65535	R/W	CoolMinOffT	HR118	PIV118
B013	Time minimum ON ON cooling device	UInt	s	0...65535	R/W	CoolMinOnOnSameT	HR119	PIV119
B014	Block cooling in mode	USInt		0...2	R/W	CoolDX_ResTyp	HR120	PIV120
B015	Threshold to switch ON 1st cooling device	Real	%	0.0...100.0	R/W	ThrshOnCool_1	HR121	AV121
B016	Threshold to switch OFF 1st cooling device	Real	%	-999.9...999.9	R/W	ThrshOffCool_1	HR122	AV122
B017	Threshold to switch ON 2nd cooling device	Real	%	0.0...100.0	R/W	ThrshOnCool_2	HR123	AV123
B018	Threshold to switch OFF 2nd cooling device	Real	%	-999.9...999.9	R/W	ThrshOffCool_2	HR124	AV124
B019	Minimum cooling water coil	Real	%	0.0...100.0	R/W	MainCW_MinPID	HR125	AV125
B020	Minimum cooling request	UDInt	s	10...9999	R/W	CoolVlvOpenTime	HR126	PIV126

## COOL/HEAT menu in main menu

Mask code	Description	Model	UoM	Range	R/W	Variable name	BMS	BacNet
-	Reverse device - Hardware value	Bool			R	RevOut_1.HW_Val	DI228	BV805
-	Reverse device - Value	Bool			R	RevOut_1.Ctrl	DI65	BV250
-	Hours counter reverse step	UDInt			R	HC_Rev_1.Hrs	IR264	PIV264
C001	Hours counter reverse step	UDInt		0...999999	R/W	HC_Rev_1.MaintThrsh	HR322	PIV322
C002	Hours counter reverse step	Bool		0..1	R/W	HC_Rev_1.Res	C37	BV808
C003	Reverse device - Manual value	USInt		0...2	R/W	RevOut_1.Man	HR324	PIV324
C004	Modulating reverse output - Manual mode analog output	USInt		0...101	R/W	RevOutVlv.Man	HR325	PIV325
-	Reverse device 2nd step - Hardware value	Bool			R	RevOut_2.HW_Val	DI229	BV811
-	Reverse device 2nd step - Value	Bool			R	RevOut_2.Ctrl	DI66	BV251
-	Hours counter reverse 2nd step	UDInt			R	HC_Rev_2.Hrs	IR266	PIV266
C005	Hours counter reverse 2nd step	UDInt		0...999999	R/W	HC_Rev_2.MaintThrsh	HR326	PIV326
C006	Hours counter reverse 2nd step	Bool		0..1	R/W	HC_Rev_2.Res	C38	BV814
C007	Reverse device 2nd step - Manual value	USInt		0...2	R/W	RevOut_2.Man	HR328	PIV328
-	Cool/Heat device - Hardware value	Bool			R	CoolHeat.HW_Val	DI55	BV240
-	Cool/Heat device - Value	Bool			R	CoolHeat.Ctrl	DI56	BV241
C038	Cool/Heat device - Manual value	USInt		0...2	R/W	CoolHeat.Man	HR359	PIV359
-	Heating request	Real			R	Heating_PID_Seq[5]	IR286	AV286
C039	PID Heating regulation - Proportional gain	Real		0.0...999.9	R/W	DevCfg_PID_Seq_Heat[5].Kp	HR360	AV360
C040	PID Heating regulation - Integral time	UInt		0...65535	R/W	DevCfg_PID_Seq_Heat[5].Ti	HR361	PIV361
C041	Minimum reverse request	Real	%	-999.9...999.9	R/W	MainRevMin	HR362	AV362
-	Cooling request	Real			R	Cooling_PID_Seq[5]	IR287	AV287
C042	PID Cooling regulation - Proportional gain	Real		0.0...999.9	R/W	DevCfg_PID_Seq_Cool[5].Kp	HR363	AV363
C043	PID Cooling regulation - Integral time	UInt		0...65535	R/W	DevCfg_PID_Seq_Cool[5].Ti	HR364	PIV364
-	Reverse antifreeze request	Real	%		R	RevW_AfreezeReq	IR288	AV288
C044	Hot water setpoint	Real	°C	-999.9...999.9	R/W	HW_Set	HR187	AV187
C045	Heating water valve PID - Proportional (Kp)	Real		0.0...999.9	R/W	PID_HeatHW.Kp	HR188	AV188
C046	Heating water valve PID - Integral (Ti)	UInt	s	0...65535	R/W	PID_HeatHW.Ti	HR189	PIV189
C047	Minimum heating request	Real	%	0.0...100.0	R/W	MainHW_MinPID	HR190	AV190
C048	Water heater antifreeze threshold	Real	°C	-999.9...999.9	R/W	W_HeatFreezeSet	HR191	AV191
C049	Minimum cooling request	UDInt	s	10...9999	R/W	CoolHeatVlvOpenTime	HR365	PIV365
C050	Time minimum ON reverse device	UInt	s	0...65535	R/W	RevMinOnT	HR367	PIV367
C051	Time minimum OFF reverse device	UInt	s	0...65535	R/W	RevMinOffT	HR368	PIV368
C052	Time minimum ON ON reverse device	UInt	s	0...65535	R/W	RevMinOnOnSameT	HR369	PIV369
C053	Threshold to switch ON 1st reverse device	Real	%	0.0...100.0	R/W	ThrshOnRev_1	HR370	AV370
C054	Threshold to switch OFF 1st reverse device	Real	%	-999.9...999.9	R/W	ThrshOffRev_1	HR371	AV371
C055	Threshold to switch ON 2nd reverse device	Real	%	0.0...100.0	R/W	ThrshOnRev_2	HR372	AV372
C056	Threshold to switch OFF 2nd reverse device	Real	%	-999.9...999.9	R/W	ThrshOffRev_2	HR373	AV373
C057	Antifreeze procedure minimum external temperature	Real	°C	-999.9...999.9	R/W	AFreezeExtMinTemp	HR231	AV231
C058	Antifreeze procedure maximum external temperature	Real	°C	-999.9...999.9	R/W	AFreezeExtMaxTemp	HR232	AV232
C059	Antifreeze procedure minimum time	UInt	s	0...65535	R/W	AFreezeHeatMinT	HR233	PIV233
C060	Antifreeze procedure max time	UInt	s	0...65535	R/W	AFreezeHeatMaxT	HR234	PIV234

C061	Antifreeze procedure minimum opening	Real	%	-999.9...999.9	R/W	AfreezeHeatMin	HR235	AV235
C062	Antifreeze procedure maximum opening	Real	%	-999.9...999.9	R/W	AfreezeHeatMax	HR236	AV236

## FANS menu in main menu

Mask code	Description	Model	UoM	Range	R/W	Variable name	BMS	BacNet
-	Supply fan - Hardware value	Bool			R	SupplyFan.HW_Val	DI49	BV234
-	Supply fan - Value	Bool			R	SupplyFan.Ctrl	DI5	BV172
-	Hours counter supply fan	UDInt			R	HC_SupplyFan_1.Hrs	IR220	PIV220
D001	Hours counter supply fan	UDInt		0...999999	R/W	HC_SupplyFan_1.MaintThrsh	HR128	PIV128
D002	Hours counter supply fan	Bool		0...1	R/W	HC_SupplyFan_1.Res	C22	BV578
D003	Supply fan - Manual value	USInt		0...2	R/W	SupplyFan.Man	HR130	PIV130
D004	Modulating supply fan - Manual mode analog output	USInt		0...101	R/W	ModulSupplyFan.Man	HR131	PIV131
-	Return fan - Hardware value	Bool			R	ExhFan.HW_Val	DI50	BV235
-	Return fan - Value	Bool			R	ExhFan.Ctrl	DI6	BV176
-	Hours counter return fan	UDInt			R	HC_ExhFan_1.Hrs	IR222	PIV222
D005	Hours counter return fan	UDInt		0...999999	R/W	HC_ExhFan_1.MaintThrsh	HR132	PIV132
D006	Hours counter return fan	Bool		0...1	R/W	HC_ExhFan_1.Res	C23	BV583
D007	Return fan - Manual value	USInt		0...2	R/W	ExhFan.Man	HR134	PIV134
D008	Modulating return fan - Manual mode analog output	USInt		0...101	R/W	ModulExhFan.Man	HR135	PIV135
D009	Minimum fan power	Real	%	0.0...100.0	R/W	MinFanPwr	HR136	AV136
D010	Supply k factor	Real		0.0...999.9	R/W	K_FactorSupply	HR137	AV137
D011	Supply air flow setpoint	Real	m3h	0.0...99999.0	R/W	SupplyAirFlowSet	HR138	AV138
D012	Return k factor	Real		0.0...999.9	R/W	K_FactorExh	HR139	AV139
D013	Return air flow setpoint	Real	m3h	0.0...99999.0	R/W	ExhAirFlowSet	HR140	AV140
-	Unit of measure for user interface	DIInt			R	Uom_Msk		
D014	Supply air pressure setpoint	Real	Pa	0.0...9999.99	R/W	SupplyAirPSet	HR141	AV141
D015	Return air pressure setpoint	Real	Pa	0.0...9999.99	R/W	ExhAirPSet	HR142	AV142
-	Supply fan - Value	Bool			R	SupplyFan.Ctrl	DI5	BV172
-	Modulating supply fan - Hardware value	Real	%		R	ModulSupplyFan.HW_Val	IR76	AV76
D016	Supply fan PID - Proportional (Kp)	Real		0.1...999.9	R/W	PID_Supply.Kp	HR143	AV143
D017	Supply fan PID - Integral (Ti)	UInt	s	0...30000	R/W	PID_Supply.Ti	HR144	PIV144
D018	Supply fan PID - Derivative (Td)	UInt	s	0...30000	R/W	PID_Supply.Td	HR145	PIV145
-	Return fan - Value	Bool			R	ExhFan.Ctrl	DI6	BV176
-	Modulating return fan - Hardware value	Real	%		R	ModulExhFan.HW_Val	IR79	AV79
D019	Exhaust fan PID - Proportional (Kp)	Real		0.1...999.9	R/W	PID_Exh.Kp	HR146	AV146
D020	Exhaust fan PID - Integral (Ti)	UInt	s	0...30000	R/W	PID_Exh.Ti	HR147	PIV147
D021	Exhaust fan PID - Derivative (Td)	UInt	s	0...30000	R/W	PID_Exh.Td	HR148	PIV148
D022	Delay between damper and supply fan	UInt	s	0...65535	R/W	DT_SupplyFan	HR149	PIV149
D023	Supply fan idle time	UInt	s	20...65535	R/W	IdleT_SupplyFan	HR150	PIV150
D024	Supply fan speed in idle mode	Real	%	0.0...999.9	R/W	ManSupplyFanIdle	HR151	AV151

D025	Delay to switch OFF supply fan	UInt	s	0...65535	R/W	DOff_SupplyFan	HR152	PIV152
D026	Delay between fan and damper	UInt	s	0...65535	R/W	DT_Dmp	HR153	PIV153
D027	Delay between damper and return fan	UInt	s	0...65535	R/W	DT_ExhFan	HR154	PIV154
D028	Return fan idle time	UInt	s	0...65535	R/W	IdleT_ExhFan	HR155	PIV155
D029	Return fan speed in idle mode	Real	%	0.0...999.9	R/W	ManExhFanIdle	HR156	AV156
D030	Delay to switch OFF return fan	UInt	s	0...65535	R/W	DOff_ExhFan	HR157	PIV157
D031	Supply fan speed in fire alarm	Real	%	0.0...100.0	R/W	FireSupplySpeed	HR158	AV158
D032	Return fan speed in fire alarm	Real	%	0.0...100.0	R/W	FireExhSpeed	HR159	AV159
D033	Fire alarm threshold	Real	°C	-999.9...999.9	R/W	FireThrsh	HR160	AV160
-	Air quality request for fan	Real	%		R	AirQualFan	IR224	AV224
D034	PID CO2 regulation - Proportional gain	Real		-999.99...999.99	R/W	DevCfg_PID_Seq_CO2[1].Kp	HR161	AV161
D035	PID CO2 regulation - Integral time	UInt		0...65535	R/W	DevCfg_PID_Seq_CO2[1].Ti	HR162	PIV162
D036	Supply fan maximum	Real		0.0...100.0	R/W	SupplyFanMax	HR163	AV163
D037	Supply air flow alarm threshold	Real	m3h	0.0...9999.9	R/W	WarnThrshSupplyFlw	HR164	AV164
D038	Return air flow alarm threshold	Real	m3h	0.0...9999.9	R/W	WarnThrshExhFlw	HR165	AV165
D039	Supply air pressure alarm threshold	Real	Pa	0.0...9999.9	R/W	AlrmSupplyAirP	HR166	AV166
D040	Return air pressure alarm threshold	Real	Pa	0.0...9999.9	R/W	AlrmExhAirP	HR167	AV167
D041	Fan speed increase in case of filter warning	Real	%	-999.9...999.9	R/W	FilterWarnFanIncr	HR168	AV168



## RECOVERY menu in main menu

Mask code	Description	Model	UoM	Range	R/W	Variable name	BMS	BacNet
-	Recovery device - Hardware value	Bool			R	RecoveryPump.HW_Val	DI57	BV242
-	Recovery device - Value	Bool			R	RecoveryPump.Ctrl	DI58	BV243
-	Hours counter recovery	UDInt			R	HC_RecoveryPump.Hrs	IR237	PIV237
E001	Hours counter recovery	UDInt		0...999999	R/W	HC_RecoveryPump.MaintThrsh	HR241	PIV241
E002	Hours counter recovery	Bool		0...1	R/W	HC_RecoveryPump.Res	C28	BV699
E003		USInt		0...2	R/W	RecoveryManINT	HR243	PIV243
E004	Modulating heat recovery output - Manual mode analog output	USInt		0...101	R/W	HeatRecovery.Man	HR244	PIV244
E005	Modulating mixing damper output - Manual mode analog output	USInt		0...101	R/W	ModulMixDamp.Man	HR245	PIV245
-	Heating request	Real			R	Heating_PID_Seq[2]	IR239	AV239
E006	PID Heating regulation - Proportional gain	Real		0.0...999.9	R/W	DevCfg_PID_Seq_Heat[2].Kp	HR246	AV246
E007	PID Heating regulation - Integral time	UInt		0...65535	R/W	DevCfg_PID_Seq_Heat[2].Ti	HR247	PIV247
E008	Minimum heat recovery	Real	%	0.0...100.0	R/W	MinHeatRec	HR248	AV248
E009	Minimum for recovery	Real	%	-999.9...999.9	R/W	Rec_MinPID	HR249	AV249
-	Cooling request	Real			R	Cooling_PID_Seq[2]	IR240	AV240
E010	Enable cooling recovery	Bool		0...1	R/W	En_CoolRec	C29	BV709
E011	PID Cooling regulation - Proportional gain	Real		0.0...999.9	R/W	DevCfg_PID_Seq_Cool[2].Kp	HR250	AV250
E012	PID Cooling regulation - Integral time	UInt		0...65535	R/W	DevCfg_PID_Seq_Cool[2].Ti	HR251	PIV251
-	Frost protection request	Bool			R	FrostProtReq	DI225	BV712
E013	Temperature threshold to start recovery defrost	Real	°C	-999.9...999.9	R/W	MaxExtFrostRec	HR252	AV252
E014	Minimum temperature threshold for recovery defrost	Real	°C	-999.9...999.9	R/W	MinExtFrostRec	HR253	AV253
E015	Maximum time for recovery defrost	UInt	s	90...65535	R/W	MaxFrostRecT	HR254	PIV254
E016	Maximum time for recovery defrost	UInt	s	0...9999	R/W	FrostRecOffT	HR255	PIV255
E017	Threshold to switch ON recovery device	Real	%	0.0...100.0	R/W	ThrshOnRecStep1	HR256	AV256
E018	Threshold to switch OFF recovery device	Real	%	0.0...100.0	R/W	ThrshOffRecStep1	HR257	AV257
E019	Threshold to switch ON recovery 2nd device	Real	%	0.0...100.0	R/W	ThrshOnRecStep2	HR258	AV258
E020	Threshold to switch OFF recovery 2nd device	Real	%	0.0...100.0	R/W	ThrshOffRecStep2	HR259	AV259
E021	Minimum cooling request	UDInt	s	10...9999	R/W	HeatRecoveryOpenTime	HR260	PIV260
-	Heating request	Real			R	Heating_PID_Seq[0]	IR241	AV241
E022	PID Heating regulation - Proportional gain	Real		0.0...999.9	R/W	DevCfg_PID_Seq_Heat[0].Kp	HR262	AV262
E023	PID Heating regulation - Integral time	UInt		0...65535	R/W	DevCfg_PID_Seq_Heat[0].Ti	HR263	PIV263
Mask code	Description	Type	UoM	Range	R/W	Variable Name	BMS	BacNet
-	Cooling request	Real			R	Cooling_PID_Seq[0]	IR242	AV242
E024	PID Cooling regulation - Proportional gain	Real		0.0...999.9	R/W	DevCfg_PID_Seq_Cool[0].Kp	HR264	AV264
E025	PID Cooling regulation - Integral time	UInt		0...65535	R/W	DevCfg_PID_Seq_Cool[0].Ti	HR265	PIV265
-	Air quality request	Real			R	AirQualReq_1	IR243	AV243
E026	PID CO2 regulation - Proportional gain	Real		0.0...999.99	R/W	DevCfg_PID_Seq_CO2[0].Kp	HR266	AV266
E027	PID CO2 regulation - Integral time	UInt		0...65535	R/W	DevCfg_PID_Seq_CO2[0].Ti	HR267	PIV267

E028	Min mixing damper opening	Real	%	0.0...100.0	R/W	ModulMixDampMinVal	HR268	AV268
E029	Max mixing damper opening	Real	%	0.0...100.0	R/W	ModulMixDampMaxVal	HR269	AV269
E030	Minimum cooling request	UDInt	s	10...9999	R/W	MixOpenTime	HR270	PIV270
E031	Fast heating running	Bool		0...1	R/W	FastHeatTrig	C30	BV734
E032	Fast heating stop	Bool		0...1	R/W	FastHeatStop	C31	BV735
E033	Fast heating time	UInt	s	0...65535	R/W	FastHeatT	HR272	PIV272
E034	Fast cooling threshold	Real	°C	-999.9...999.9	R/W	FastCoolThrsh	HR273	AV273
E035	Fast heat threshold	Real	°C	-999.9...999.9	R/W	FastHeatThrsh	HR274	AV274

## HUMIDITY menu in main menu

Mask code	Description	Model	UoM	Range	R/W	Variable name	BMS	BacNet
-	Humidifier device - Hardware value	Bool			R	Hum.HW_Val	DI59	BV244
-	Humidifier device - Value	Bool			R	Hum.Ctrl	DI60	BV245
-	Hours counter humidifier	UDInt			R	HC_Hum.Hrs	IR244	PIV244
F001	Hours counter humidifier	UDInt		0...999999	R/W	HC_Hum.MaintThrsh	HR275	PIV275
F002	Hours counter humidifier	Bool		0...1	R/W	HC_Hum.Res	C32	BV741
F003	Humidifier device - Manual value	USInt		0...2	R/W	Hum.Man	HR277	PIV277
F004	Modulating humidifier output - Manual mode analog output	USInt		0...101	R/W	ModulHum.Man	HR278	PIV278
-	Condenser fan in rooftop application - Hardware value	Bool			R	IEC_Hum.HW_Val	DI226	BV744
-	Condenser fan in rooftop application - Value	Bool			R	IEC_Hum.Ctrl	DI227	BV745
-	Hours counter IEC humidifier	UDInt			R	HC_IEC_Hum.Hrs	IR246	PIV246
F005	Hours counter IEC humidifier	UDInt		0...999999	R/W	HC_IEC_Hum.MaintThrsh	HR279	PIV279
F006	Hours counter IEC humidifier	Bool		0...1	R/W	HC_IEC_Hum.Res	C33	BV748
F007	Condenser fan in rooftop application - Manual value	USInt		0...2	R/W	IEC_Hum.Man	HR281	PIV281
F008	Modulating humidifier output - Manual mode analog output	USInt		0...101	R/W	Modul_IEC_Hum.Man	HR282	PIV282
-	Absolute humidity	Real	g/s		R	AbsHum	IR248	AV248
-	Absolute humidity setpoint	Real	gH2O/kg		R	AbsHumSet	IR249	AV249
-	Dehumidification request	Real	%		R	HumRegReq	IR250	AV250
F008	PID CO2 regulation - Proportional gain	Real		-999.9...999.9	R/W	DevCfg_PID_Seq_Hum[0].Kp	HR283	AV283
F009	PID CO2 regulation - Integral time	UInt		0...65535	R/W	DevCfg_PID_Seq_Hum[0].Ti	HR284	PIV284
-	Supply dew point	Real	°C		R	SupplyDewPoint	IR251	AV251
-	Dew point compensation request	Real	%		R	PID_DewCompens	IR252	AV252
F010	Delta dewpoint for compensation	Real	°K	0.0...99.9	R/W	DeltaDewTemp	HR285	AV285
F011	Delta dew point PID - Proportional (Kp)	Real		0.1...999.9	R/W	DeltaDew_PID.Kp	HR286	AV286
F012	Delta dew point PID - Integral (Ti)	UInt	s	0...30000	R/W	DeltaDew_PID.Ti	HR287	PIV287
F013	Delay time for changeover	UDInt		0...999999	R/W	DT_ChangeHum	HR288	PIV288
F014	Humidification regulation dead band	Real	gH2O/kg	-999.9...999.9	R/W	HumDeadBand	HR290	AV290
F015	Start humidifier digital output	Real	%	0.0...100.0	R/W	StartHumPerc	HR291	AV291
F016	Stop humidifier digital output	Real	%	0.0...100.0	R/W	StopHumPerc	HR292	AV292
-	Absolute humidity	Real	g/s		R	AbsHum	IR248	AV248
-	Absolute humidity setpoint	Real	gH2O/kg		R	AbsHumSet	IR249	AV249
F017	Enable dehumidification increasing fan speed	Bool		0...1	R/W	En_DeHumFan	C34	BV765
-	CO2 request	Real			R	Hum_PID_Seq[1]	IR253	AV253
F018	PID CO2 regulation - Proportional gain	Real		-999.9...999.9	R/W	DevCfg_PID_Seq_Hum[1].Kp	HR293	AV293
F019	PID CO2 regulation - Integral time	UInt		0...65535	R/W	DevCfg_PID_Seq_Hum[1].Ti	HR294	PIV294
-	Absolute humidity	Real	g/s		R	AbsHum	IR248	AV248
-	Absolute humidity setpoint	Real	gH2O/kg		R	AbsHumSet	IR249	AV249
F020		Bool		0...1	R/W	En_DeHumCool	C35	BV769

-	Dehumidification request	Real	%		R	DehumRegReq	IR254	AV254
F021	PID CO2 regulation - Proportional gain	Real		-999.9...999.9	R/W	DevCfg_PID_Seq_Hum[2].Kp	HR295	AV295
F022	PID CO2 regulation - Integral time	UInt		0..65535	R/W	DevCfg_PID_Seq_Hum[2].Ti	HR296	PIV296
F023	Fresh air humidity check to enable freecooling/freeheating	Real	gH2O/kg	1.0...40.0	R/W	DeltaAbsHum	HR297	AV297

**IN/OUT SETTINGS MENU**  
**ANALOG IN SET menu**

Mask code	Description	Model	UoM	Range	R/W	Variable name	BMS	BacNet
-	Analog input functions - Priority	USInt			R	AI_ReadFnt[1].Prio	IR336	PIV336
-	Analog input functions - Hardware value	Real	°C		R	AI_ReadFnt[1].Read.Hw_Val	IR337	AV337
Ga01	Analog input functions - Channel	DInt		0...70	R/W	AI_ReadFnt[1].Ch	HR760	IV760
Ga02	Analog input functions - Type	USInt		0...50	R/W	AI_ReadFnt[1].Param.Typ	HR762	PIV762
Ga03	Analog input functions - Minimum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[1].Param.Min_Val	HR763	AV763
Ga04	Analog input functions - Maximum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[1].Param.Max_Val	HR764	AV764
Ga05	Analog input functions - Offset	Real	°K	-99.9...99.9	R/W	AI_ReadFnt[1].Param.Offset	HR765	AV765
-	Analog input functions - Priority	USInt			R	AI_ReadFnt[2].Prio	IR338	PIV338
-	Analog input functions - Hardware value	Real	°C		R	AI_ReadFnt[2].Read.Hw_Val	IR339	AV339
Ga06	Analog input functions - Channel	DInt		0...70	R/W	AI_ReadFnt[2].Ch	HR766	IV766
Ga07	Analog input functions - Type	USInt		0...50	R/W	AI_ReadFnt[2].Param.Typ	HR768	PIV768
Ga08	Analog input functions - Minimum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[2].Param.Min_Val	HR769	AV769
Ga09	Analog input functions - Maximum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[2].Param.Max_Val	HR770	AV770
Ga10	Analog input functions - Offset	Real	°K	-99.9...99.9	R/W	AI_ReadFnt[2].Param.Offset	HR771	AV771
-	Analog input functions - Priority	USInt			R	AI_ReadFnt[3].Prio	IR340	PIV340
-	Analog input functions - Hardware value	Real	°C		R	AI_ReadFnt[3].Read.Hw_Val	IR341	AV341
Ga11	Analog input functions - Channel	DInt		0...70	R/W	AI_ReadFnt[3].Ch	HR772	IV772
Ga12	Analog input functions - Type	USInt		0...50	R/W	AI_ReadFnt[3].Param.Typ	HR774	PIV774
Ga13	Analog input functions - Minimum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[3].Param.Min_Val	HR775	AV775
Ga14	Analog input functions - Maximum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[3].Param.Max_Val	HR776	AV776
Ga15	Analog input functions - Offset	Real	°K	-99.9...99.9	R/W	AI_ReadFnt[3].Param.Offset	HR777	AV777
-	Analog input functions - Priority	USInt			R	AI_ReadFnt[4].Prio	IR342	PIV342
-	Analog input functions - Hardware value	Real	°C		R	AI_ReadFnt[4].Read.Hw_Val	IR343	AV343
Ga16	Analog input functions - Channel	DInt		0...70	R/W	AI_ReadFnt[4].Ch	HR778	IV778
Ga17	Analog input functions - Type	USInt		0...50	R/W	AI_ReadFnt[4].Param.Typ	HR780	PIV780
Ga18	Analog input functions - Minimum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[4].Param.Min_Val	HR781	AV781
Ga19	Analog input functions - Maximum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[4].Param.Max_Val	HR782	AV782
Ga20	Analog input functions - Offset	Real	°K	-99.9...99.9	R/W	AI_ReadFnt[4].Param.Offset	HR783	AV783
-	Analog input functions - Priority	USInt			R	AI_ReadFnt[5].Prio	IR344	PIV344
-	Analog input functions - Hardware value	Real	bar		R	AI_ReadFnt[5].Read.Hw_Val	IR345	AV345
Ga21	Analog input functions - Channel	DInt		0...70	R/W	AI_ReadFnt[5].Ch	HR784	IV784
Ga22	Analog input functions - Type	USInt		0...50	R/W	AI_ReadFnt[5].Param.Typ	HR786	PIV786
Ga23	Analog input functions - Minimum value	Real	bar	-9999.9...9999.9	R/W	AI_ReadFnt[5].Param.Min_Val	HR787	AV787
Ga24	Analog input functions - Maximum value	Real	bar	-9999.9...9999.9	R/W	AI_ReadFnt[5].Param.Max_Val	HR788	AV788
Ga25	Analog input functions - Offset	Real	bar	-99.9...99.9	R/W	AI_ReadFnt[5].Param.Offset	HR789	AV789
-	Analog input functions - Priority	USInt			R	AI_ReadFnt[6].Prio	IR346	PIV346
-	Analog input functions - Hardware value	Real	°C		R	AI_ReadFnt[6].Read.Hw_Val	IR347	AV347

Ga26	Analog input functions - Channel	DInt		0...70	R/W	AI_ReadFnt[6].Ch	HR790	IV790
Ga27	Analog input functions - Type	USInt		0...50	R/W	AI_ReadFnt[6].Param.Type	HR792	PIV792
Ga28	Analog input functions - Minimum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[6].Param.Min_Val	HR793	AV793
Ga29	Analog input functions - Maximum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[6].Param.Max_Val	HR794	AV794
Ga30	Analog input functions - Offset	Real	°K	-99.9...99.9	R/W	AI_ReadFnt[6].Param.Offset	HR795	AV795
-	Analog input functions - Priority	USInt			R	AI_ReadFnt[7].Prio	IR348	PIV348
-	Analog input functions - Hardware value	Real	bar		R	AI_ReadFnt[7].Read.Hw_Val	IR349	AV349
Ga31	Analog input functions - Channel	DInt		0...70	R/W	AI_ReadFnt[7].Ch	HR796	IV796
Ga32	Analog input functions - Type	USInt		0...50	R/W	AI_ReadFnt[7].Param.Type	HR798	PIV798
Ga33	Analog input functions - Minimum value	Real	bar	-9999.9...9999.9	R/W	AI_ReadFnt[7].Param.Min_Val	HR799	AV799
Ga34	Analog input functions - Maximum value	Real	bar	-9999.9...9999.9	R/W	AI_ReadFnt[7].Param.Max_Val	HR800	AV800
Ga35	Analog input functions - Offset	Real	bar	-99.9...99.9	R/W	AI_ReadFnt[7].Param.Offset	HR801	AV801
-	Analog input functions - Priority	USInt			R	AI_ReadFnt[8].Prio	IR350	PIV350
-	Analog input functions - Hardware value	Real	°C		R	AI_ReadFnt[8].Read.Hw_Val	IR351	AV351
Ga36	Analog input functions - Channel	DInt		0...70	R/W	AI_ReadFnt[8].Ch	HR802	IV802
Ga37	Analog input functions - Type	USInt		0...50	R/W	AI_ReadFnt[8].Param.Type	HR804	PIV804
Ga38	Analog input functions - Minimum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[8].Param.Min_Val	HR805	AV805
Ga39	Analog input functions - Maximum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[8].Param.Max_Val	HR806	AV806
Ga40	Analog input functions - Offset	Real	°K	-99.9...99.9	R/W	AI_ReadFnt[8].Param.Offset	HR807	AV807
-	Analog input functions - Priority	USInt			R	AI_ReadFnt[9].Prio	IR352	PIV352
-	Analog input functions - Hardware value	Real	°C		R	AI_ReadFnt[9].Read.Hw_Val	IR353	AV353
Ga41	Analog input functions - Channel	DInt		0...70	R/W	AI_ReadFnt[9].Ch	HR808	IV808
Ga42	Analog input functions - Type	USInt		0...50	R/W	AI_ReadFnt[9].Param.Type	HR810	PIV810
Ga43	Analog input functions - Minimum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[9].Param.Min_Val	HR811	AV811
Ga44	Analog input functions - Maximum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[9].Param.Max_Val	HR812	AV812
Ga45	Analog input functions - Offset	Real	°K	-99.9...99.9	R/W	AI_ReadFnt[9].Param.Offset	HR813	AV813
-	Analog input functions - Priority	USInt			R	AI_ReadFnt[10].Prio	IR354	PIV354
-	Analog input functions - Hardware value	Real	°C		R	AI_ReadFnt[10].Read.Hw_Val	IR355	AV355
Ga46	Analog input functions - Channel	DInt		0...70	R/W	AI_ReadFnt[10].Ch	HR814	IV814
Ga47	Analog input functions - Type	USInt		0...50	R/W	AI_ReadFnt[10].Param.Type	HR816	PIV816
Ga48	Analog input functions - Minimum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[10].Param.Min_Val	HR817	AV817
Ga49	Analog input functions - Maximum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[10].Param.Max_Val	HR818	AV818
Ga50	Analog input functions - Offset	Real	°K	-99.9...99.9	R/W	AI_ReadFnt[10].Param.Offset	HR819	AV819
-	Analog input functions - Priority	USInt			R	AI_ReadFnt[11].Prio	IR356	PIV356
-	Analog input functions - Hardware value	Real	°C		R	AI_ReadFnt[11].Read.Hw_Val	IR357	AV357
Ga51	Analog input functions - Channel	DInt		0...70	R/W	AI_ReadFnt[11].Ch	HR820	IV820
Ga52	Analog input functions - Type	USInt		0...50	R/W	AI_ReadFnt[11].Param.Type	HR822	PIV822
Ga53	Analog input functions - Minimum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[11].Param.Min_Val	HR823	AV823
Ga54	Analog input functions - Maximum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[11].Param.Max_Val	HR824	AV824
Ga55	Analog input functions - Offset	Real	°K	-99.9...99.9	R/W	AI_ReadFnt[11].Param.Offset	HR825	AV825

-	Analog input functions - Priority	USInt			R	AI_ReadFnt[12].Prio	IR358	PIV358
-	Analog input functions - Hardware value	Real	ppm		R	AI_ReadFnt[12].Read.Hw_Val	IR359	AV359
Ga56	Analog input functions - Channel	DInt		0...70	R/W	AI_ReadFnt[12].Ch	HR826	IV826
Ga57	Analog input functions - Type	USInt		0...50	R/W	AI_ReadFnt[12].Param.Type	HR828	PIV828
Ga58	Analog input functions - Minimum value	Real	ppm	-99999.9...99999.9	R/W	AI_ReadFnt[12].Param.Min_Val	HR829	AV829
Ga59	Analog input functions - Maximum value	Real	ppm	-99999.9...99999.9	R/W	AI_ReadFnt[12].Param.Max_Val	HR830	AV830
Ga60	Analog input functions - Offset	Real	ppm	-99.9...99.9	R/W	AI_ReadFnt[12].Param.Offset	HR831	AV831
-	Analog input functions - Priority	USInt			R	AI_ReadFnt[13].Prio	IR360	PIV360
-	Analog input functions - Hardware value	Real	Pa		R	AI_ReadFnt[13].Read.Hw_Val	IR361	AV361
Ga61	Analog input functions - Channel	DInt		0...70	R/W	AI_ReadFnt[13].Ch	HR832	IV832
Ga62	Analog input functions - Type	USInt		0...50	R/W	AI_ReadFnt[13].Param.Type	HR834	PIV834
Ga63	Analog input functions - Minimum value	Real	Pa	-9999.9...9999.9	R/W	AI_ReadFnt[13].Param.Min_Val	HR835	AV835
Ga64	Analog input functions - Maximum value	Real	Pa	-9999.9...9999.9	R/W	AI_ReadFnt[13].Param.Max_Val	HR836	AV836
Ga65	Analog input functions - Offset	Real	Pa	-99.9...99.9	R/W	AI_ReadFnt[13].Param.Offset	HR837	AV837
-	Analog input functions - Priority	USInt			R	AI_ReadFnt[14].Prio	IR362	PIV362
-	Analog input functions - Hardware value	Real	Pa		R	AI_ReadFnt[14].Read.Hw_Val	IR363	AV363
Ga66	Analog input functions - Channel	DInt		0...70	R/W	AI_ReadFnt[14].Ch	HR838	IV838
Ga67	Analog input functions - Type	USInt		0...50	R/W	AI_ReadFnt[14].Param.Type	HR840	PIV840
Ga68	Analog input functions - Minimum value	Real	Pa	-9999.9...9999.9	R/W	AI_ReadFnt[14].Param.Min_Val	HR841	AV841
Ga69	Analog input functions - Maximum value	Real	Pa	-9999.9...9999.9	R/W	AI_ReadFnt[14].Param.Max_Val	HR842	AV842
Ga70	Analog input functions - Offset	Real	Pa	-99.9...99.9	R/W	AI_ReadFnt[14].Param.Offset	HR843	AV843
-	Analog input functions - Priority	USInt			R	AI_ReadFnt[15].Prio	IR364	PIV364
-	Analog input functions - Hardware value	Real	%rh		R	AI_ReadFnt[15].Read.Hw_Val	IR365	AV365
Ga71	Analog input functions - Channel	DInt		0...70	R/W	AI_ReadFnt[15].Ch	HR844	IV844
Ga72	Analog input functions - Type	USInt		0...50	R/W	AI_ReadFnt[15].Param.Type	HR846	PIV846
Ga73	Analog input functions - Minimum value	Real	%rh	-999.9...999.9	R/W	AI_ReadFnt[15].Param.Min_Val	HR847	AV847
Ga74	Analog input functions - Maximum value	Real	%rh	-999.9...999.9	R/W	AI_ReadFnt[15].Param.Max_Val	HR848	AV848
Ga75	Analog input functions - Offset	Real	%rh	-99.9...99.9	R/W	AI_ReadFnt[15].Param.Offset	HR849	AV849
-	Analog input functions - Priority	USInt			R	AI_ReadFnt[16].Prio	IR366	PIV366
-	Analog input functions - Hardware value	Real	bar		R	AI_ReadFnt[16].Read.Hw_Val	IR367	AV367
Ga76	Analog input functions - Channel	DInt		0...70	R/W	AI_ReadFnt[16].Ch	HR850	IV850
Ga77	Analog input functions - Type	USInt		0...50	R/W	AI_ReadFnt[16].Param.Type	HR852	PIV852
Ga78	Analog input functions - Minimum value	Real	bar	-9999.9...9999.9	R/W	AI_ReadFnt[16].Param.Min_Val	HR853	AV853
Ga79	Analog input functions - Maximum value	Real	bar	-9999.9...9999.9	R/W	AI_ReadFnt[16].Param.Max_Val	HR854	AV854
Ga80	Analog input functions - Offset	Real	bar	-99.9...99.9	R/W	AI_ReadFnt[16].Param.Offset	HR855	AV855
-	Analog input functions - Priority	USInt			R	AI_ReadFnt[17].Prio	IR368	PIV368
-	Analog input functions - Hardware value	Real	°C		R	AI_ReadFnt[17].Read.Hw_Val	IR369	AV369
Ga81	Analog input functions - Channel	DInt		0...70	R/W	AI_ReadFnt[17].Ch	HR856	IV856
Ga82	Analog input functions - Type	USInt		0...50	R/W	AI_ReadFnt[17].Param.Type	HR858	PIV858
Ga83	Analog input functions - Minimum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[17].Param.Min_Val	HR859	AV859

Ga84	Analog input functions - Maximum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[17].Param. Max_Val	HR860	AV860
Ga85	Analog input functions - Offset	Real	°K	-99.9...99.9	R/W	AI_ReadFnt[17].Param.Offset	HR861	AV861
-	Analog input functions - Priority	USInt			R	AI_ReadFnt[18].Prio	IR370	PIV370
-	Analog input functions - Hardware value	Real	bar		R	AI_ReadFnt[18].Read. Hw_Val	IR371	AV371
Ga86	Analog input functions - Channel	DInt		0...70	R/W	AI_ReadFnt[18].Ch	HR862	IV862
Ga87	Analog input functions - Type	USInt		0...50	R/W	AI_ReadFnt[18].Param.Typ	HR864	PIV864
Ga88	Analog input functions - Minimum value	Real	bar	-9999.9...9999.9	R/W	AI_ReadFnt[18].Param. Min_Val	HR865	AV865
Ga89	Analog input functions - Maximum value	Real	bar	-9999.9...9999.9	R/W	AI_ReadFnt[18].Param. Max_Val	HR866	AV866
Ga90	Analog input functions - Offset	Real	bar	-99.9...99.9	R/W	AI_ReadFnt[18].Param.Offset	HR867	AV867
-	Analog input functions - Priority	USInt			R	AI_ReadFnt[19].Prio	IR372	PIV372
-	Analog input functions - Hardware value	Real	°C		R	AI_ReadFnt[19].Read. Hw_Val	IR373	AV373
Ga91	Analog input functions - Channel	DInt		0...70	R/W	AI_ReadFnt[19].Ch	HR868	IV868
Ga92	Analog input functions - Type	USInt		0...50	R/W	AI_ReadFnt[19].Param.Typ	HR870	PIV870
Ga93	Analog input functions - Minimum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[19].Param. Min_Val	HR871	AV871
Ga94	Analog input functions - Maximum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[19].Param. Max_Val	HR872	AV872
Ga95	Analog input functions - Offset	Real	°K	-99.9...99.9	R/W	AI_ReadFnt[19].Param.Offset	HR873	AV873
-	Analog input functions - Priority	USInt			R	AI_ReadFnt[20].Prio	IR374	PIV374
-	Analog input functions - Hardware value	Real	bar		R	AI_ReadFnt[20].Read. Hw_Val	IR375	AV375
Ga96	Analog input functions - Channel	DInt		0...70	R/W	AI_ReadFnt[20].Ch	HR874	IV874
Ga97	Analog input functions - Type	USInt		0...50	R/W	AI_ReadFnt[20].Param.Typ	HR876	PIV876
Ga98	Analog input functions - Minimum value	Real	bar	-9999.9...9999.9	R/W	AI_ReadFnt[20].Param. Min_Val	HR877	AV877
Ga99	Analog input functions - Maximum value	Real	bar	-9999.9...9999.9	R/W	AI_ReadFnt[20].Param. Max_Val	HR878	AV878
GaA0	Analog input functions - Offset	Real	bar	-99.9...99.9	R/W	AI_ReadFnt[20].Param.Offset	HR879	AV879
-	Analog input functions - Priority	USInt			R	AI_ReadFnt[21].Prio	IR376	PIV376
-	Analog input functions - Hardware value	Real	°C		R	AI_ReadFnt[21].Read. Hw_Val	IR377	AV377
GaA1	Analog input functions - Channel	DInt		0...70	R/W	AI_ReadFnt[21].Ch	HR880	IV880
GaA2	Analog input functions - Type	USInt		0...50	R/W	AI_ReadFnt[21].Param.Typ	HR882	PIV882
GaA3	Analog input functions - Minimum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[21].Param. Min_Val	HR883	AV883
GaA4	Analog input functions - Maximum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[21].Param. Max_Val	HR884	AV884
GaA5	Analog input functions - Offset	Real	°K	-99.9...99.9	R/W	AI_ReadFnt[21].Param.Offset	HR885	AV885
-	Analog input functions - Priority	USInt			R	AI_ReadFnt[22].Prio	IR378	PIV378
-	Analog input functions - Hardware value	Real	bar		R	AI_ReadFnt[22].Read. Hw_Val	IR379	AV379
GaA6	Analog input functions - Channel	DInt		0...70	R/W	AI_ReadFnt[22].Ch	HR886	IV886
GaA7	Analog input functions - Type	USInt		0...50	R/W	AI_ReadFnt[22].Param.Typ	HR888	PIV888
GaA8	Analog input functions - Minimum value	Real	bar	-9999.9...9999.9	R/W	AI_ReadFnt[22].Param. Min_Val	HR889	AV889
GaA9	Analog input functions - Maximum value	Real	bar	-9999.9...9999.9	R/W	AI_ReadFnt[22].Param. Max_Val	HR890	AV890
GaB0	Analog input functions - Offset	Real	bar	-99.9...99.9	R/W	AI_ReadFnt[22].Param.Offset	HR891	AV891
-	Analog input functions - Priority	USInt			R	AI_ReadFnt[23].Prio	IR380	PIV380
-	Analog input functions - Hardware value	Real	°C		R	AI_ReadFnt[23].Read. Hw_Val	IR381	AV381
GaB1	Analog input functions - Channel	DInt		0...70	R/W	AI_ReadFnt[23].Ch	HR892	IV892



GaB2	Analog input functions - Type	USInt		0...50	R/W	AI_ReadFnt[23].Param.Type	HR894	PIV894
GaB3	Analog input functions - Minimum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[23].Param.Min_Val	HR895	AV895
GaB4	Analog input functions - Maximum value	Real	°C	-999.9...999.9	R/W	AI_ReadFnt[23].Param.Max_Val	HR896	AV896
GaB5	Analog input functions - Offset	Real	°K	-99.9...99.9	R/W	AI_ReadFnt[23].Param.Offset	HR897	AV897
-	Analog input functions - Priority	USInt			R	AI_ReadFnt[24].Prio	IR382	PIV382
-	Analog input functions - Hardware value	Real	%		R	AI_ReadFnt[24].Read.Hw_Val	IR383	AV383
GaB6	Analog input functions - Channel	DInt		0...70	R/W	AI_ReadFnt[24].Ch	HR898	IV898
GaB7	Analog input functions - Type	USInt		0...50	R/W	AI_ReadFnt[24].Param.Type	HR900	PIV900
GaB8	Analog input functions - Minimum value	Real	%	-999.9...999.9	R/W	AI_ReadFnt[24].Param.Min_Val	HR901	AV901
GaB9	Analog input functions - Maximum value	Real	%	-999.9...999.9	R/W	AI_ReadFnt[24].Param.Max_Val	HR902	AV902
GaC0	Analog input functions - Offset	Real	%	-99.9...99.9	R/W	AI_ReadFnt[24].Param.Offset	HR903	AV903
-	Analog input functions - Priority	USInt			R	AI_ReadFnt[25].Prio	IR384	PIV384
-	Analog input functions - Hardware value	Real	%rh		R	AI_ReadFnt[25].Read.Hw_Val	IR385	AV385
GaC1	Analog input functions - Channel	DInt		0...70	R/W	AI_ReadFnt[25].Ch	HR904	IV904
GaC2	Analog input functions - Type	USInt		0...50	R/W	AI_ReadFnt[25].Param.Type	HR906	PIV906
GaC3	Analog input functions - Minimum value	Real	%rh	-999.9...999.9	R/W	AI_ReadFnt[25].Param.Min_Val	HR907	AV907
GaC4	Analog input functions - Maximum value	Real	%rh	-999.9...999.9	R/W	AI_ReadFnt[25].Param.Max_Val	HR908	AV908
GaC5	Analog input functions - Offset	Real	%rh	-99.9...99.9	R/W	AI_ReadFnt[25].Param.Offset	HR909	AV909

## DIGITAL IN SET menu

Mask code	Description	Model	UoM	Range	R/W	Variable name	BMS	BacNet
-	Digital input functions - Priority	USInt			R	DI_ReadFnt[1].Prio	IR386	PIV386
-	Digital input functions - Status	Bool			R	DI_ReadFnt[1].Hw_Val	DI251	BV1721
Gb01	Digital input functions - Channel	DInt		0...70	R/W	DI_ReadFnt[1].Ch	HR910	IV910
Gb02	Digital input functions - Logic	Bool		0...1	R/W	DI_ReadFnt[1].Logic	C274	BV1723
-	Digital input functions - Priority	USInt			R	DI_ReadFnt[2].Prio	IR387	PIV387
-	Digital input functions - Status	Bool			R	DI_ReadFnt[2].Hw_Val	DI252	BV1725
Gb03	Digital input functions - Channel	DInt		0...70	R/W	DI_ReadFnt[2].Ch	HR912	IV912
Gb04	Digital input functions - Logic	Bool		0...1	R/W	DI_ReadFnt[2].Logic	C275	BV1727
-	Digital input functions - Priority	USInt			R	DI_ReadFnt[3].Prio	IR388	PIV388
-	Digital input functions - Status	Bool			R	DI_ReadFnt[3].Hw_Val	DI253	BV1729
Gb05	Digital input functions - Channel	DInt		0...70	R/W	DI_ReadFnt[3].Ch	HR914	IV914
Gb06	Digital input functions - Logic	Bool		0...1	R/W	DI_ReadFnt[3].Logic	C276	BV1731
-	Digital input functions - Priority	USInt			R	DI_ReadFnt[4].Prio	IR389	PIV389
-	Digital input functions - Status	Bool			R	DI_ReadFnt[4].Hw_Val	DI254	BV1733
Gb07	Digital input functions - Channel	DInt		0...70	R/W	DI_ReadFnt[4].Ch	HR916	IV916
Gb08	Digital input functions - Logic	Bool		0...1	R/W	DI_ReadFnt[4].Logic	C277	BV1735
-	Digital input functions - Priority	USInt			R	DI_ReadFnt[5].Prio	IR390	PIV390
-	Digital input functions - Status	Bool			R	DI_ReadFnt[5].Hw_Val	DI255	BV1737
Gb09	Digital input functions - Channel	DInt		0...70	R/W	DI_ReadFnt[5].Ch	HR918	IV918
Gb10	Digital input functions - Logic	Bool		0...1	R/W	DI_ReadFnt[5].Logic	C278	BV1739
-	Digital input functions - Priority	USInt			R	DI_ReadFnt[6].Prio	IR391	PIV391
-	Digital input functions - Status	Bool			R	DI_ReadFnt[6].Hw_Val	DI256	BV1741
Gb11	Digital input functions - Channel	DInt		0...70	R/W	DI_ReadFnt[6].Ch	HR920	IV920
Gb12	Digital input functions - Logic	Bool		0...1	R/W	DI_ReadFnt[6].Logic	C279	BV1743
-	Digital input functions - Priority	USInt			R	DI_ReadFnt[7].Prio	IR392	PIV392
-	Digital input functions - Status	Bool			R	DI_ReadFnt[7].Hw_Val	DI257	BV1745
Gb13	Digital input functions - Channel	DInt		0...70	R/W	DI_ReadFnt[7].Ch	HR922	IV922
Gb14	Digital input functions - Logic	Bool		0...1	R/W	DI_ReadFnt[7].Logic	C280	BV1747
-	Digital input functions - Priority	USInt			R	DI_ReadFnt[8].Prio	IR393	PIV393
-	Digital input functions - Status	Bool			R	DI_ReadFnt[8].Hw_Val	DI258	BV1749
Gb15	Digital input functions - Channel	DInt		0...70	R/W	DI_ReadFnt[8].Ch	HR924	IV924
Gb16	Digital input functions - Logic	Bool		0...1	R/W	DI_ReadFnt[8].Logic	C281	BV1751
-	Digital input functions - Priority	USInt			R	DI_ReadFnt[9].Prio	IR394	PIV394
-	Digital input functions - Status	Bool			R	DI_ReadFnt[9].Hw_Val	DI259	BV1753
Gb17	Digital input functions - Channel	DInt		0...70	R/W	DI_ReadFnt[9].Ch	HR926	IV926
Gb18	Digital input functions - Logic	Bool		0...1	R/W	DI_ReadFnt[9].Logic	C282	BV1755
-	Digital input functions - Priority	USInt			R	DI_ReadFnt[10].Prio	IR395	PIV395

-	Digital input functions - Status	Bool			R	DI_ReadFnt[10].Hw_Val	DI260	BV1757
Gb19	Digital input functions - Channel	DInt		0...70	R/W	DI_ReadFnt[10].Ch	HR928	IV928
Gb20	Digital input functions - Logic	Bool		0...1	R/W	DI_ReadFnt[10].Logic	C283	BV1759
-	Digital input functions - Priority	USInt			R	DI_ReadFnt[11].Prio	IR396	PIV396
-	Digital input functions - Status	Bool			R	DI_ReadFnt[11].Hw_Val	DI261	BV1761
Gb21	Digital input functions - Channel	DInt		0...70	R/W	DI_ReadFnt[11].Ch	HR930	IV930
Gb22	Digital input functions - Logic	Bool		0...1	R/W	DI_ReadFnt[11].Logic	C284	BV1763
-	Digital input functions - Priority	USInt			R	DI_ReadFnt[12].Prio	IR397	PIV397
-	Digital input functions - Status	Bool			R	DI_ReadFnt[12].Hw_Val	DI262	BV1765
Gb23	Digital input functions - Channel	DInt		0...70	R/W	DI_ReadFnt[12].Ch	HR932	IV932
Gb24	Digital input functions - Logic	Bool		0...1	R/W	DI_ReadFnt[12].Logic	C285	BV1767
-	Digital input functions - Priority	USInt			R	DI_ReadFnt[13].Prio	IR398	PIV398
-	Digital input functions - Status	Bool			R	DI_ReadFnt[13].Hw_Val	DI263	BV1769
Gb25	Digital input functions - Channel	DInt		0...70	R/W	DI_ReadFnt[13].Ch	HR934	IV934
Gb26	Digital input functions - Logic	Bool		0...1	R/W	DI_ReadFnt[13].Logic	C286	BV1771
-	Digital input functions - Priority	USInt			R	DI_ReadFnt[14].Prio	IR399	PIV399
-	Digital input functions - Status	Bool			R	DI_ReadFnt[14].Hw_Val	DI264	BV1773
Gb27	Digital input functions - Channel	DInt		0...70	R/W	DI_ReadFnt[14].Ch	HR936	IV936
Gb28	Digital input functions - Logic	Bool		0...1	R/W	DI_ReadFnt[14].Logic	C287	BV1775
-	Digital input functions - Priority	USInt			R	DI_ReadFnt[15].Prio	IR400	PIV400
-	Digital input functions - Status	Bool			R	DI_ReadFnt[15].Hw_Val	DI265	BV1777
Gb29	Digital input functions - Channel	DInt		0...70	R/W	DI_ReadFnt[15].Ch	HR938	IV938
Gb30	Digital input functions - Logic	Bool		0...1	R/W	DI_ReadFnt[15].Logic	C288	BV1779
-	Digital input functions - Priority	USInt			R	DI_ReadFnt[16].Prio	IR401	PIV401
-	Digital input functions - Status	Bool			R	DI_ReadFnt[16].Hw_Val	DI266	BV1781
Gb31	Digital input functions - Channel	DInt		0...70	R/W	DI_ReadFnt[16].Ch	HR940	IV940
Gb32	Digital input functions - Logic	Bool		0...1	R/W	DI_ReadFnt[16].Logic	C289	BV1783
-	Digital input functions - Priority	USInt			R	DI_ReadFnt[17].Prio	IR402	PIV402
-	Digital input functions - Status	Bool			R	DI_ReadFnt[17].Hw_Val	DI267	BV1785
Gb33	Digital input functions - Channel	DInt		0...70	R/W	DI_ReadFnt[17].Ch	HR942	IV942
Gb34	Digital input functions - Logic	Bool		0...1	R/W	DI_ReadFnt[17].Logic	C290	BV1787
-	Digital input functions - Priority	USInt			R	DI_ReadFnt[18].Prio	IR403	PIV403
-	Digital input functions - Status	Bool			R	DI_ReadFnt[18].Hw_Val	DI268	BV1789
Gb35	Digital input functions - Channel	DInt		0...70	R/W	DI_ReadFnt[18].Ch	HR944	IV944
Gb36	Digital input functions - Logic	Bool		0...1	R/W	DI_ReadFnt[18].Logic	C291	BV1791
-	Digital input functions - Priority	USInt			R	DI_ReadFnt[19].Prio	IR404	PIV404
-	Digital input functions - Status	Bool			R	DI_ReadFnt[19].Hw_Val	DI269	BV1793
Gb37	Digital input functions - Channel	DInt		0...70	R/W	DI_ReadFnt[19].Ch	HR946	IV946
Gb38	Digital input functions - Logic	Bool		0...1	R/W	DI_ReadFnt[19].Logic	C292	BV1795
-	Digital input functions - Priority	USInt			R	DI_ReadFnt[20].Prio	IR405	PIV405
-	Digital input functions - Status	Bool			R	DI_ReadFnt[20].Hw_Val	DI270	BV1797
Gb39	Digital input functions - Channel	DInt		0...70	R/W	DI_ReadFnt[20].Ch	HR948	IV948
Gb40	Digital input functions - Logic	Bool		0...1	R/W	DI_ReadFnt[20].Logic	C293	BV1799

-	Digital input functions - Priority	USInt			R	DI_ReadFnt[21].Prio	IR406	PIV406
-	Digital input functions - Status	Bool			R	DI_ReadFnt[21].Hw_Val	DI271	BV1801
Gb41	Digital input functions - Channel	DInt		0...70	R/W	DI_ReadFnt[21].Ch	HR950	IV950
Gb42	Digital input functions - Logic	Bool		0...1	R/W	DI_ReadFnt[21].Logic	C294	BV1803
-	Digital input functions - Priority	USInt			R	DI_ReadFnt[22].Prio	IR407	PIV407
-	Digital input functions - Status	Bool			R	DI_ReadFnt[22].Hw_Val	DI272	BV1805
Gb43	Digital input functions - Channel	DInt		0...70	R/W	DI_ReadFnt[22].Ch	HR952	IV952
Gb44	Digital input functions - Logic	Bool		0...1	R/W	DI_ReadFnt[22].Logic	C295	BV1807
-	Digital input functions - Priority	USInt			R	DI_ReadFnt[22].Prio	IR407	PIV407
-	Digital input functions - Status	Bool			R	DI_ReadFnt[23].Hw_Val	DI273	BV1808
Gb45	Digital input functions - Channel	DInt		0...70	R/W	DI_ReadFnt[23].Ch	HR954	IV954
Gb46	Digital input functions - Logic	Bool		0...1	R/W	DI_ReadFnt[23].Logic	C296	BV1810

## DIGITAL OUT SET menu

Mask code	Description	Model	UoM	Range	R/W	Variable name	BMS	BacNet
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[1].Prio	IR408	PIV408
-	Digital output functions - Status	Bool			R	DO_ReadFnt[1].Hw_Val	DI274	BV1812
Gc01	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[1].Ch	HR956	IV956
Gc02	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[1].Logic	C297	BV1814
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[2].Prio	IR409	PIV409
-	Digital output functions - Status	Bool			R	DO_ReadFnt[2].Hw_Val	DI275	BV1816
Gc03	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[2].Ch	HR958	IV958
Gc04	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[2].Logic	C298	BV1818
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[3].Prio	IR410	PIV410
-	Digital output functions - Status	Bool			R	DO_ReadFnt[3].Hw_Val	DI276	BV1820
Gc05	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[3].Ch	HR960	IV960
Gc06	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[3].Logic	C299	BV1822
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[4].Prio	IR411	PIV411
-	Digital output functions - Status	Bool			R	DO_ReadFnt[4].Hw_Val	DI277	BV1824
Gc07	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[4].Ch	HR962	IV962
Gc08	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[4].Logic	C300	BV1826
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[5].Prio	IR412	PIV412
-	Digital output functions - Status	Bool			R	DO_ReadFnt[5].Hw_Val	DI278	BV1828
Gc09	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[5].Ch	HR964	IV964
Gc10	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[5].Logic	C301	BV1830
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[6].Prio	IR413	PIV413
-	Digital output functions - Status	Bool			R	DO_ReadFnt[6].Hw_Val	DI279	BV1832
Gc11	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[6].Ch	HR966	IV966
Gc12	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[6].Logic	C302	BV1834
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[7].Prio	IR414	PIV414
-	Digital output functions - Status	Bool			R	DO_ReadFnt[7].Hw_Val	DI280	BV1836
Gc13	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[7].Ch	HR968	IV968
Gc14	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[7].Logic	C303	BV1838
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[8].Prio	IR415	PIV415
-	Digital output functions - Status	Bool			R	DO_ReadFnt[8].Hw_Val	DI281	BV1840
Gc15	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[8].Ch	HR970	IV970
Gc16	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[8].Logic	C304	BV1842
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[9].Prio	IR416	PIV416
-	Digital output functions - Status	Bool			R	DO_ReadFnt[9].Hw_Val	DI282	BV1844
Gc17	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[9].Ch	HR972	IV972
Gc18	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[9].Logic	C305	BV1846
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[10].Prio	IR417	PIV417
-	Digital output functions - Status	Bool			R	DO_ReadFnt[10].Hw_Val	DI283	BV1848
Gc19	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[10].Ch	HR974	IV974
Gc20	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[10].Logic	C306	BV1850
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[11].Prio	IR418	PIV418
-	Digital output functions - Status	Bool			R	DO_ReadFnt[11].Hw_Val	DI284	BV1852
Gc21	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[11].Ch	HR976	IV976
Gc22	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[11].Logic	C307	BV1854
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[12].Prio	IR419	PIV419
-	Digital output functions - Status	Bool			R	DO_ReadFnt[12].Hw_Val	DI285	BV1856
Gc23	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[12].Ch	HR978	IV978
Gc24	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[12].Logic	C308	BV1858
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[13].Prio	IR420	PIV420
-	Digital output functions - Status	Bool			R	DO_ReadFnt[13].Hw_Val	DI286	BV1860

Gc25	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[13].Ch	HR980	IV980
Gc26	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[13].Logic	C309	BV1862
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[14].Prio	IR421	PIV421
-	Digital output functions - Status	Bool			R	DO_ReadFnt[14].Hw_Val	DI287	BV1864
Gc27	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[14].Ch	HR982	IV982
Gc28	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[14].Logic	C310	BV1866
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[15].Prio	IR422	PIV422
-	Digital output functions - Status	Bool			R	DO_ReadFnt[15].Hw_Val	DI288	BV1868
Gc29	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[15].Ch	HR984	IV984
Gc30	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[15].Logic	C311	BV1870
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[16].Prio	IR423	PIV423
-	Digital output functions - Status	Bool			R	DO_ReadFnt[16].Hw_Val	DI289	BV1872
Gc31	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[16].Ch	HR986	IV986
Gc32	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[16].Logic	C312	BV1874
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[17].Prio	IR424	PIV424
-	Digital output functions - Status	Bool			R	DO_ReadFnt[17].Hw_Val	DI290	BV1876
Gc33	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[17].Ch	HR988	IV988
Gc34	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[17].Logic	C313	BV1878
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[18].Prio	IR425	PIV425
-	Digital output functions - Status	Bool			R	DO_ReadFnt[18].Hw_Val	DI291	BV1880
Gc35	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[18].Ch	HR990	IV990
Gc36	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[18].Logic	C314	BV1882
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[19].Prio	IR426	PIV426
-	Digital output functions - Status	Bool			R	DO_ReadFnt[19].Hw_Val	DI292	BV1884
Gc37	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[19].Ch	HR992	IV992
Gc38	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[19].Logic	C315	BV1886
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[20].Prio	IR427	PIV427
-	Digital output functions - Status	Bool			R	DO_ReadFnt[20].Hw_Val	DI293	BV1888
Gc39	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[20].Ch	HR994	IV994
Gc40	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[20].Logic	C316	BV1890
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[21].Prio	IR428	PIV428
-	Digital output functions - Status	Bool			R	DO_ReadFnt[21].Hw_Val	DI294	BV1892
Gc41	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[21].Ch	HR996	IV996
Gc42	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[21].Logic	C317	BV1894
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[22].Prio	IR429	PIV429
-	Digital output functions - Status	Bool			R	DO_ReadFnt[22].Hw_Val	DI295	BV1896
Gc43	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[22].Ch	HR998	IV998
Gc44	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[22].Logic	C318	BV1898
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[23].Prio	IR430	PIV430
-	Digital output functions - Status	Bool			R	DO_ReadFnt[23].Hw_Val	DI296	BV1900
Gc45	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[23].Ch	HR1000	IV1000
Gc46	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[23].Logic	C319	BV1902
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[24].Prio	IR431	PIV431
-	Digital output functions - Status	Bool			R	DO_ReadFnt[24].Hw_Val	DI297	BV1904
Gc47	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[24].Ch	HR1002	IV1002
Gc48	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[24].Logic	C320	BV1906
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[25].Prio	IR432	PIV432
-	Digital output functions - Status	Bool			R	DO_ReadFnt[25].Hw_Val	DI298	BV1908
Gc49	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[25].Ch	HR1004	IV1004
Gc50	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[25].Logic	C321	BV1910
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[26].Prio	IR433	PIV433
-	Digital output functions - Status	Bool			R	DO_ReadFnt[26].Hw_Val	DI299	BV1912

Gc51	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[26].Ch	HR1006	IV1006
Gc52	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[26].Logic	C322	BV1914
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[27].Prio	IR434	PIV434
-	Digital output functions - Status	Bool			R	DO_ReadFnt[27].Hw_Val	DI300	BV1916
Gc53	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[27].Ch	HR1008	IV1008
Gc54	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[27].Logic	C323	BV1918
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[28].Prio	IR435	PIV435
-	Digital output functions - Status	Bool			R	DO_ReadFnt[28].Hw_Val	DI301	BV1920
Gc55	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[28].Ch	HR1010	IV1010
Gc56	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[28].Logic	C324	BV1922
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[29].Prio	IR436	PIV436
-	Digital output functions - Status	Bool			R	DO_ReadFnt[29].Hw_Val	DI302	BV1924
Gc57	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[29].Ch	HR1012	IV1012
Gc58	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[29].Logic	C325	BV1926
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[30].Prio	IR437	PIV437
-	Digital output functions - Status	Bool			R	DO_ReadFnt[30].Hw_Val	DI303	BV1928
Gc59	Digital output functions - Channel	DInt		0...50	R/W	DO_ReadFnt[30].Ch	HR1014	IV1014
Gc60	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[30].Logic	C326	BV1930
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[31].Prio	IR438	PIV438
-	Digital output functions - Status	Bool			R	DO_ReadFnt[31].Hw_Val	DI304	BV1932
Gc61	Digital output functions - Channel	DInt		0...70	R/W	DO_ReadFnt[31].Ch	HR1016	IV1016
Gc62	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[31].Logic	C327	BV1934
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[32].Prio	IR439	PIV439
-	Digital output functions - Status	Bool			R	DO_ReadFnt[32].Hw_Val	DI305	BV1936
Gc63	Digital output functions - Channel	DInt		0...70	R/W	DO_ReadFnt[32].Ch	HR1018	IV1018
Gc64	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[32].Logic	C328	BV1938
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[33].Prio	IR440	PIV440
-	Digital output functions - Status	Bool			R	DO_ReadFnt[33].Hw_Val	DI306	BV1940
Gc65	Digital output functions - Channel	DInt		0...70	R/W	DO_ReadFnt[33].Ch	HR1020	IV1020
Gc66	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[33].Logic	C329	BV1942
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[34].Prio	IR441	PIV441
-	Digital output functions - Status	Bool			R	DO_ReadFnt[34].Hw_Val	DI307	BV1944
Gc67	Digital output functions - Channel	DInt		0...70	R/W	DO_ReadFnt[34].Ch	HR1022	IV1022
Gc68	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[34].Logic	C330	BV1946
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[35].Prio	IR442	PIV442
-	Digital output functions - Status	Bool			R	DO_ReadFnt[35].Hw_Val	DI308	BV1948
Gc69	Digital output functions - Channel	DInt		0...70	R/W	DO_ReadFnt[35].Ch	HR1024	IV1024
Gc70	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[35].Logic	C331	BV1950
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[36].Prio	IR443	PIV443
-	Digital output functions - Status	Bool			R	DO_ReadFnt[36].Hw_Val	DI309	BV1952
Gc71	Digital output functions - Channel	DInt		0...70	R/W	DO_ReadFnt[36].Ch	HR1026	IV1026
Gc72	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[36].Logic	C332	BV1954
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[37].Prio	IR444	PIV444
-	Digital output functions - Status	Bool			R	DO_ReadFnt[37].Hw_Val	DI310	BV1956
Gc73	Digital output functions - Channel	DInt		0...70	R/W	DO_ReadFnt[37].Ch	HR1028	IV1028
Gc74	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[37].Logic	C333	BV1958
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[38].Prio	IR445	PIV445
-	Digital output functions - Status	Bool			R	DO_ReadFnt[38].Hw_Val	DI311	BV1960
Gc75	Digital output functions - Channel	DInt		0...70	R/W	DO_ReadFnt[38].Ch	HR1030	IV1030
Gc76	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[38].Logic	C334	BV1962
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[39].Prio	IR446	PIV446
-	Digital output functions - Status	Bool			R	DO_ReadFnt[39].Hw_Val	DI312	BV1964

Gc77	Digital output functions - Channel	DInt		0...70	R/W	DO_ReadFnt[39].Ch	HR1032	IV1032
Gc78	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[39].Logic	C335	BV1966
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[40].Prio	IR447	PIV447
-	Digital output functions - Status	Bool			R	DO_ReadFnt[40].Hw_Val	DI313	BV1968
Gc79	Digital output functions - Channel	DInt		0...70	R/W	DO_ReadFnt[40].Ch	HR1034	IV1034
Gc80	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[40].Logic	C336	BV1970
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[41].Prio	IR448	PIV448
-	Digital output functions - Status	Bool			R	DO_ReadFnt[41].Hw_Val	DI314	BV1972
Gc81	Digital output functions - Channel	DInt		0...70	R/W	DO_ReadFnt[41].Ch	HR1036	IV1036
Gc82	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[41].Logic	C337	BV1974
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[42].Prio	IR449	PIV449
-	Digital output functions - Status	Bool			R	DO_ReadFnt[42].Hw_Val	DI315	BV1976
Gc81	Digital output functions - Channel	DInt		0...70	R/W	DO_ReadFnt[42].Ch	HR1038	IV1038
Gc82	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[42].Logic	C338	BV1978
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[43].Prio	IR450	PIV450
-	Digital output functions - Status	Bool			R	DO_ReadFnt[43].Hw_Val	DI316	BV1980
Gc83	Digital output functions - Channel	DInt		0...70	R/W	DO_ReadFnt[43].Ch	HR1040	IV1040
Gc84	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[43].Logic	C339	BV1982
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[44].Prio	IR451	PIV451
-	Digital output functions - Status	Bool			R	DO_ReadFnt[44].Hw_Val	DI317	BV1984
Gc85	Digital output functions - Channel	DInt		0...70	R/W	DO_ReadFnt[44].Ch	HR1042	IV1042
Gc86	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[44].Logic	C340	BV1986
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[45].Prio	IR452	PIV452
-	Digital output functions - Status	Bool			R	DO_ReadFnt[45].Hw_Val	DI318	BV1988
Gc87	Digital output functions - Channel	DInt		0...70	R/W	DO_ReadFnt[45].Ch	HR1044	IV1044
Gc88	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[45].Logic	C341	BV1990
-	Digital output functions - Priority	USInt			R	DO_ReadFnt[46].Prio	IR453	PIV453
-	Digital output functions - Status	Bool			R	DO_ReadFnt[46].Hw_Val	DI319	BV1992
Gc89	Digital output functions - Channel	DInt		0...70	R/W	DO_ReadFnt[46].Ch	HR1046	IV1046
Gc90	Digital output functions - Logic	Bool		0...1	R/W	DO_ReadFnt[46].Logic	C342	BV1994



## ANALOG OUT SET menu

Mask code	Description	Model	UoM	Range	R/W	Variable name	BMS	BacNet
-	Analog output functions - Priority	USInt			R	AO_ReadFnt[1].Prio	IR454	PIV454
-	Analog output functions - Request	Real			R	AO_ReadFnt[1].Hw_Val	IR455	AV455
Gd01	Analog output functions - Channel	DInt		0..60	R/W	AO_ReadFnt[1].Ch	HR1048	IV1048
-	Analog output functions - Priority	USInt			R	AO_ReadFnt[2].Prio	IR456	PIV456
-	Analog output functions - Request	Real			R	AO_ReadFnt[2].Hw_Val	IR457	AV457
Gd02	Analog output functions - Channel	DInt		0..60	R/W	AO_ReadFnt[2].Ch	HR1050	IV1050
-	Analog output functions - Priority	USInt			R	AO_ReadFnt[3].Prio	IR458	PIV458
-:	Analog output functions - Request	Real			R	AO_ReadFnt[3].Hw_Val	IR459	AV459
Gd03	Analog output functions - Channel	DInt		0..60	R/W	AO_ReadFnt[3].Ch	HR1052	IV1052
-	Analog output functions - Priority	USInt			R	AO_ReadFnt[4].Prio	IR460	PIV460
-	Analog output functions - Request	Real			R	AO_ReadFnt[4].Hw_Val	IR461	AV461
Gd04	Analog output functions - Channel	DInt		0..60	R/W	AO_ReadFnt[4].Ch	HR1054	IV1054
-	Analog output functions - Priority	USInt			R	AO_ReadFnt[5].Prio	IR462	PIV462
-	Analog output functions - Request	Real			R	AO_ReadFnt[5].Hw_Val	IR463	AV463
Gd05	Analog output functions - Channel	DInt		0..60	R/W	AO_ReadFnt[5].Ch	HR1056	IV1056
-	Analog output functions - Priority	USInt			R	AO_ReadFnt[6].Prio	IR464	PIV464
-	Analog output functions - Request	Real			R	AO_ReadFnt[6].Hw_Val	IR465	AV465
Gd06	Analog output functions - Channel	DInt		0..60	R/W	AO_ReadFnt[6].Ch	HR1058	IV1058
-	Analog output functions - Priority	USInt			R	AO_ReadFnt[7].Prio	IR466	PIV466
-	Analog output functions - Request	Real			R	AO_ReadFnt[7].Hw_Val	IR467	AV467
Gd07	Analog output functions - Channel	DInt		0..60	R/W	AO_ReadFnt[7].Ch	HR1060	IV1060
-	Analog output functions - Priority	USInt			R	AO_ReadFnt[8].Prio	IR468	PIV468
-	Analog output functions - Request	Real			R	AO_ReadFnt[8].Hw_Val	IR469	AV469
Gd08	Analog output functions - Channel	DInt		0..60	R/W	AO_ReadFnt[8].Ch	HR1062	IV1062
-	Analog output functions - Priority	USInt			R	AO_ReadFnt[9].Prio	IR470	PIV470
-	Analog output functions - Request	Real			R	AO_ReadFnt[9].Hw_Val	IR471	AV471
Gd09	Analog output functions - Channel	DInt		0..60	R/W	AO_ReadFnt[9].Ch	HR1064	IV1064
-	Analog output functions - Priority	USInt			R	AO_ReadFnt[10].Prio	IR472	PIV472
-	Analog output functions - Request	Real			R	AO_ReadFnt[10].Hw_Val	IR473	AV473
Gd10	Analog output functions - Channel	DInt		0..60	R/W	AO_ReadFnt[10].Ch	HR1066	IV1066
-	Analog output functions - Priority	USInt			R	AO_ReadFnt[11].Prio	IR474	PIV474
-	Analog output functions - Request	Real			R	AO_ReadFnt[11].Hw_Val	IR475	AV475
Gd11	Analog output functions - Channel	DInt		0..60	R/W	AO_ReadFnt[11].Ch	HR1068	IV1068
-	Analog output functions - Priority	USInt			R	AO_ReadFnt[12].Prio	IR476	PIV476
-	Analog output functions - Request	Real			R	AO_ReadFnt[12].Hw_Val	IR477	AV477
Gd12	Analog output functions - Channel	DInt		0..60	R/W	AO_ReadFnt[12].Ch	HR1070	IV1070

## SETTINGS menu in main menu

Mask code	Description	Model	UoM	Range	R/W	Variable name	BMS	BacNet
H001	Min supply temperature setpoint	Real	°C	-999.9...999.9	R/W	SupplyMinSet	HR298	AV298
H002	Max supply temperature setpoint	Real	°C	-999.9...999.9	R/W	SupplyMaxSet	HR299	AV299
H003	Setpoint minimum limit	Real	°C	-999.9...999.9	R/W	SetMinLimit	HR300	AV300
H004	Maximum setpoint value	Real	°C	-999.9...999.9	R/W	SetMaxLimit	HR301	AV301
-	Compensation request	Real	%		R	PID_RegCompens	IR262	AV262
H005	Regulation set point offset	Real		-999.9...999.9	R/W	RoomReg_SetP_Offs_Kp	HR302	AV302
H006	Regulation set point offset: Integral time for room regulation	UInt		0...65535	R/W	RoomReg_SetP_Offs_Ti	HR303	PIV303
-	Compensation request	Real	%		R	ExtTempCompens	IR263	AV263
H007	Min external temperature compensation in heating	Real	°C	-999.9...999.9	R/W	MinHeatCompens	HR304	AV304
H008	Max external temperature compensation in heating	Real	°C	-999.9...999.9	R/W	MaxHeatCompens	HR305	AV305
H009	Min external temperature compensation in cooling	Real	°C	-999.9...999.9	R/W	MinCoolCompens	HR306	AV306
H010	Max external temperature compensation in cooling	Real	°C	-999.9...999.9	R/W	MaxCoolCompens	HR307	AV307
H011	Cooling external temperature threshold	Real	°C	-999.9...999.9	R/W	CoolExtTempThrsh	HR308	AV308
H012	Heating external temperature threshold	Real	°C	-999.9...999.9	R/W	HeatExtTempThrsh	HR309	AV309
H013	Supply temp.: cooling/heating delay time	UDInt	s	0...65535	R/W	SupplyTemp_CoolHeatDT	HR310	PIV310
H014	StandBy time	UDInt	min	0...9999	R/W	StandbyT	HR312	PIV312
H015	Wake up time	UDInt	min	10...9999	R/W	WakeUpT	HR314	PIV314
H016	Night kick hour	UInt		0...23	R/W	NightKickHour	HR316	PIV316
H016	Night kick minute	UInt	min	0...59	R/W	NightKickMinute	HR317	PIV317
H017	Enable freecooling/freeheating	Bool		0...1	R/W	En_FreeCoolHeat	C36	BV800
H018	Antistuck OFF time	UInt	h	1...999	R/W	AntiStuckOFF	HR318	PIV318
H019	Antistuck ON time	UInt	s	0...9999	R/W	AntiStuckON	HR319	PIV319
H020	Minimum design temperature	Real	°C	-999.9...999.9	R/W	MinDesignExtTemp	HR320	AV320
H021	Maximum design temperature	Real	°C	-999.9...999.9	R/W	MaxDesignExtTemp	HR321	AV321

## UNIT CFG. menu in main menu

Mask code	Description	Model	UoM	Range	R/W	Variable name	BMS	BacNet
	Unit configuration not allowed - Alarm status	Bool			R	Al_UnitCfgError.Active	DI1037	BV2068
I001	Recovery application code	USInt		0..4	R/W	AppCode_Rec	HR83	PIV83
I001	Application heating code	USInt		0..4	R/W	AppCode_Heat	HR84	PIV84
I001	Application cooling code	USInt		0..2	R/W	AppCode_Cool	HR85	PIV85
I001	Application reverse code	USInt		0..MaxAppCode_Rev	R/W	AppCode_Rev	HR86	PIV86
I001	Application preheating code	USInt		0..3	R/W	AppCode_PreHeat	HR87	PIV87
I001	Application reheater code	USInt		0..3	R/W	AppCode_ReHeat	HR88	PIV88
I001	Application mixing damper code	USInt		0..1	R/W	AppCode_Eco	HR89	PIV89
I001	Humidifier code	USInt		0..3	R/W	AppCode_Hum	HR90	PIV90
I001	Board application code	USInt		0..MaxAppCode_cpCOe	R/W	AppCode_cpCOe	HR91	PIV91
I001	Application fan code	USInt		0..3	R/W	AppCode_Fan	HR92	PIV92
I002	Recovery control type	USInt		0..4	R/W	AppRec_Special	HR93	PIV93
I002	Heating control type	USInt		0..11	R/W	AppHeat_Special	HR94	PIV94
I002	Cooling control type	USInt		0..11	R/W	AppCool_Special	HR95	PIV95
I002	Reversible control type	USInt		0..16	R/W	AppCoolHeat_Special	HR96	PIV96
I002	Preheat control type	USInt		0..5	R/W	AppPreHeat_Special	HR97	PIV97
I002	Reheat control type	USInt		0..5	R/W	AppReHeat_Special	HR98	PIV98
I002	Eco control type	USInt		0..2	R/W	AppMix_Special	HR99	PIV99
I002	Supply fan regulation type	USInt		0..9	R/W	SupplyFanRegTyp	HR100	PIV100
I002	Return fan regulation type	USInt		0..9	R/W	ExhFanRegTyp	HR101	PIV101
I003	Run unit	Bool		0..1	R/W	UnitConfigured	C15	BV543
I004	Run auto configuration function	Bool		0..1	R/W	RunAutoCfg_IO	C16	BV544
I005	Enable thTune management	Bool		0..1	R/W	En_THTN_1	C17	BV545
I006	BMS address	USInt		1..127	R/W	BMS_Addr	HR102	PIV102
I007	Scheduler type	USInt		0..2	R/W	TypScheduler	HR103	PIV103
I008	Temperature regulation probe type	USInt		0..2	R/W	AppTempReg	IR2	PIV2
I009	Regulation probe for humidier	USInt		0..2	R/W	AppHumReg	HR104	PIV104
I012	Enable of Buzzer	Bool		0..1	R/W	En_Buzz	C18	BV549
I014	Drive type internal/USB	Byte		0..1	R/W	DriveTyp	HR105	PIV105
I015	Import-Export file name (EXPORT_XX)	Int		0..99	R/W	ImpExpFileName	HR106	IV106
I017	Drive type internal/USB	Byte		0..1	R/W	DriveTyp	HR105	PIV105
I018	Import-Export file name (EXPORT_XX)	Int		0..99	R/W	ImpExpFileName	HR106	IV106
I020	Wipe memory	Bool		0..1	R/W	En_WipeMem	C19	BV552

