

MODBUS / BACNET

0661151_R02

OJ Air2 Master Controller RJ12 Modbus/RTU connection

Fig. 1 OJ Air Master, Connector diagram, visual topside down

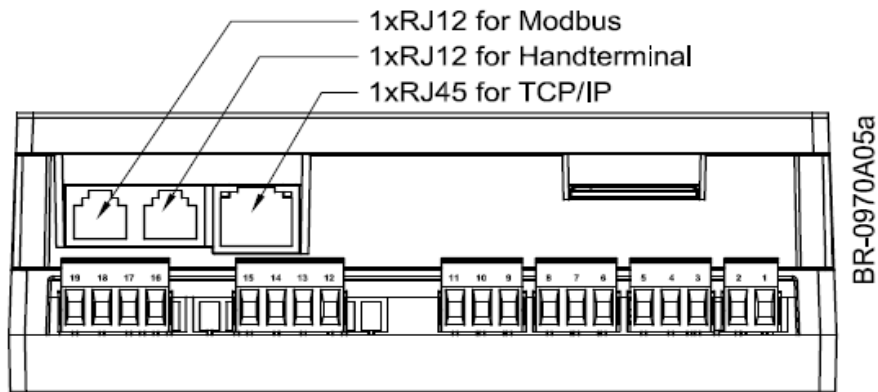


Fig. 2 Configuration for communication via external Modbus

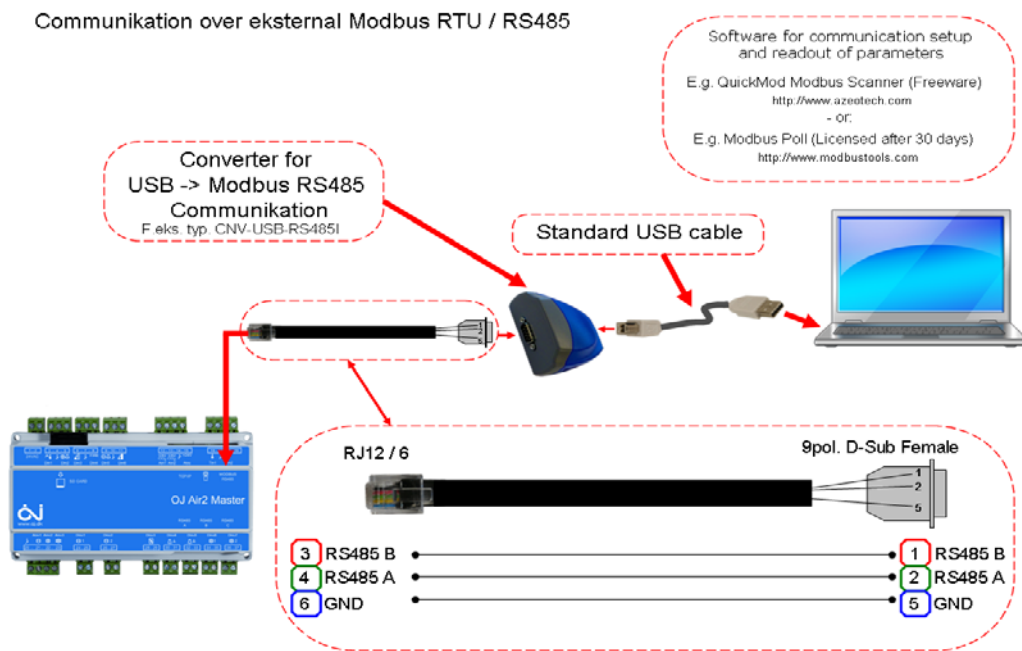
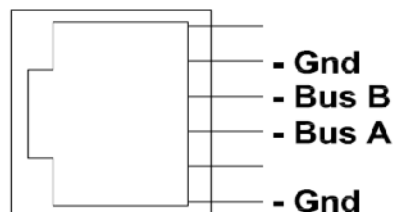


Fig. 3 Modbus RJ12 socket



Modbus RTU/TCP

OJ Air2, Program version 3.25 and later versions

Overview

This Protocol contains all Modbus addresses and registers in the OJ-Air2Master. Updating of values in the individual registers is dependent on the actual configuration of the air handling unit. It will, for example, be possible to read out water heating coil temperature register 3x0030 irrespective of whether or not an water heating coil is installed in the system concerned.

The value will, however, only be used if the associated temperature sensor is installed.

Modbus can access single addresses or several addresses simultaneously, either reading or writing 1-bit or 16-bit values.

A Modbus address contains either a 1-bit value or a 16-bit integer.

Communication

TCP/IP: 1 x 10/100 Mbit Ethernet, RJ45 connector.

Modbus RS485: 1 x external Modbus, RS485, RJ12 connector, which can be set for 9.6 kBd, 19.2 kBd or 38.4 kBd.

Pin1 NC, Pin2 GND, Pin3 RS485 B, Pin4 RS485 A, Pin5 NC, Pin6 GND (see fig. 2).

Hand terminal: 1 x Modbus, RS485, 115 kBd, +24 V DC, RJ12 connector.

RS485 A: Not in use

RS485 B & C: 2 x shared local Modbus, RS485, 38.4 kBd, +24 V DC, RJ12 connector.

Standard Modbus TCP/IP kommunikationsport: 502

Modbus data format

Modbus data types are 1-bit values and 16-bit values.

Modbus Type	Description	Reference
Coil Status (R/W)	Discrete Output	0x
Input Status (R)	Discrete Input	1x
Holding Register (R/W)	16-bit Output Register	4x
Input register (R)	16-bit Input Register	3x

R = Read Only

R/W = Read / Write

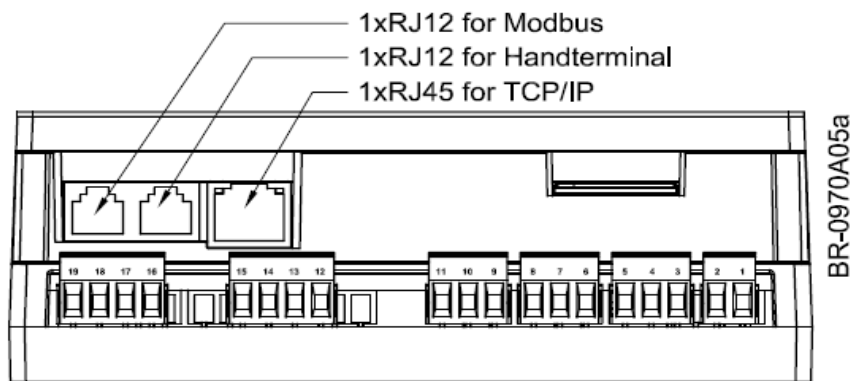
Supported Modbus commands

OJ Air2 supports the following Modbus commands:

Function code	Description
1	Read Coil Status
2	Read Input Status
3	Read Holding Registers
4	Read Input Registers
5	Force Single Coil
6	Preset Single Registers
8	Diagnostics. Sub-function 00 Only - Return Query Data (loop back)
15	Force Multiple Coils
16	Preset Multiple Registers

OJ Air2 Master Controller
1 x RJ45 TCP/IP for BACnet/IP forbindelse for internal BACnet-server
in OJ Air2 Master

Fig. 1 OJ Air Master, Connector diagram, visual topside down



BACnet

OJ Air2, Program version 4.18 and subsequent versions.

Overview

BACnet features enable BACnet control and monitoring of a complete

Air Handling Unit (AHU), which is equipped with an OJ-Air2Master controller.

The BACnet functionality is implemented in OJ-Air2Masters with software version 2.00 or higher.

This protocol contains all BACnet addresses and registers in the OJ-Air2 Master. Updating of values in the individual registers is dependent on the actual configuration of the air handling unit. It will, for example, be possible to read out water heating coil temperature Analog Input Object Instance 26 irrespective of whether or not an water heating coil is installed in the system concerned.

The value will, however, only be used if the associated temperature sensor is installed.

The OJ-Air2Master is a BACnet Advanced Application Controller (B-AAC)

Supported Data Link Layer Options: BACnet IP

Please also see the documents "OJ-Air2 BACnet PICS" (Protocol Implementation Conformance Statement) and "OJ-Air2 EDE" (Engineering Data Exchange).

Communication

BACnet TCP/IP: 1 pcs. 10/100Mbit Ethernet, RJ45 socket

Standard BACnet TCP/IP communication port: 47808

Object Identifier:

The Object_Identifier is automatic set to the last 5 digits in the OJ-Air2Master IP adress.

Samples: IP-adresse = 172.21.0.95 Object Identifier = 95
 IP-adresse = 155.37.0.216 Object Identifier = 216
 IP-adresse = 155.37.35.123 Object Identifier = 35123
 IP-adresse = 132.65.124.103 Object Identifier = 24103
 IP-adresse = 172.20.211.47 Object Identifier = 11047
 IP-adresse = 155.37.111.123 Object Identifier = 11123
 IP-adresse = 168.25.111.1 Object Identifier = 11001

OBS! The Object_Identifier will only be set once and only when the OJ-Air2 Master is powered up or restarted

Max. 300 values can at the same time be registered to the COV (Change Of Value)

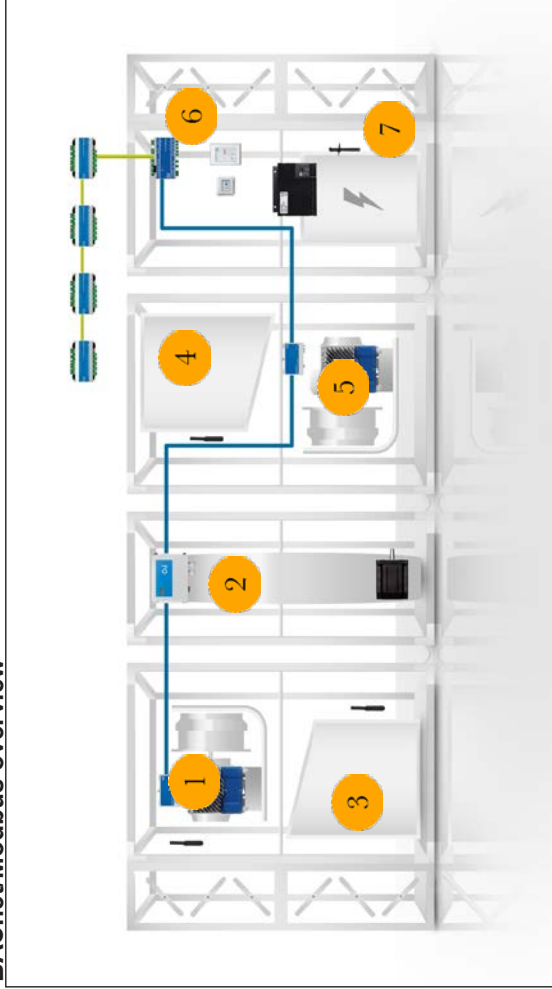
BACnet Interoperability Building Blocks Supported

Data Sharing	DS-RP-B	Data Sharing-Read Property-B
Data sharing	DS-WP-B	Data Sharing-Write Property-B
Device Management	DM-DDB-B	Device Management-Dynamic Device Binding-B
Device Management	DM-DOB-B	Device Management-Dynamic Object Binding-B
Device Management	DM-DCC-B	Device Management-Dynamic Communication Control-B

Standard Object Types Supported

Object type	Properties
Analog Input	Object_Identifier, Object_Name, Object_Type, Present_Value, Status_Flags, Event_State, Out_Of_Service, Units, Min_Pres_Value, Max_Pres_Value, Resolution, Reliability, COV_Increment
Analog Value	Object_Identifier, Object_Name, Object_Type, Present_Value, Status_Flags, Event_State, Out_Of_Service, Units, Priority_Array, Relinquish_Default, COV_Increment.
Binary Input	Object_Identifier, Object_Name, Object_Type, Present_Value, Status_Flags, Event_State, Out_Of_Service, Polarity.
Binary Value	Object_Identifier, Object_Name, Object_Type, Present_Value, Status_Flags, Event_State, Out_Of_Service, Priority_Array, Relinquish_Default.
Device	Object_Identifier, Object_Name, Object_Type, System_Status, Vendor_Name, Vendor_Identifier, Model_Name, Firmware_Revision, Application_Software_Version, Location, Description, Protocol_Version, Protocol_Revision, Protocol_Services_Supported, Protocol_Object_Types_Supported, Object_list, Max_APDU_Length_Accepted, Segmentation_Supported, APDU_Timeout, Number_Of_APDU_Retries, Device_Address_Binding, Database_Revision.

BACnet/Modbus overview



	BacNet	Modbus
1	AI 22	3x0026
	AI 7	3x0009
	AI 60	3x0083
	AV 12	4x0014
	AV 254	4x0321
	AV 13	4x0015
2	AI 73	3x0097
3	AI 20	3x0024
	AI 27	3x0031
	AI 31	3x0039
4	AI 28	3x0032
	AI 32	3x0040
5	AI 5	3x0007
	AI 51	3x0073
	AV 10	4x0011
	AV 251	4x0320
	AV 11	4x0012
6	AI 21	3x0025
	AI 3	3x0005
	AV 6	4x0007
	AV 255	4x0323
	AV 7	4x0008
7	AI 16	3x0020
	AV 133	4x0148
	AV 134	4x0149
	AV 135	4x0150
	AV 136	4x0151
	AI 36	3x0054
	BI 26	1x0031
	AI 26	3x0030
	AI 38	3x0056
	AI 1	3x0003
	AV 2	4x0003
	AV 252	4x0322
	AV 3	4x0004

	BacNet	Modbus
Actual operating mode	AI 0	3x0001
Operation ON/OFF	BI 0	1x0001
Extended low speed -> Active	BI 3	1x0004
Extended high speed -> Active	BI 4	1x0005
Alarm relay 1 (A-alarm)	BI 30	1x0035
Alarm relay 2 (B-alarm)	BI 31	1x0036
Alarm reset signal (Auto/Return to zero)	BV 0	0x0001

AI= Analog Input
 AV= Analog Value
 BI= Binary Input
 BV= Binary Value

Component	Function	Standard/Special	Name	SI Unit	Modbus register	SW vers.	BackSet parameter	SW vers. Binary value (R/W)	Min	Max	Factory settings	English
1. Info	1. Info	1. Info	1. Info	1. Info	1. Info	1. Info	1. Info	1. Info	1. Info	1. Info	1. Info	1. Info
AHU controller	Alarm	Standard	Air_Reset		0x0001	x.xx	BV0	x.xx	0	1		Alarm reset signal (AutoReturn to zero)
Heat exchanger	Cool recovery	Standard	CoolRecovFunc		0x0002	x.xx	BV1	x.xx	0	1		0 Cooling recovery: ON/OFF
AHU controller	Summer/Night Cooling	Standard	SN_Func		0x0003	x.xx	BV2	x.xx	0	1		0 Summer night cooling: ON/OFF
AHU controller	Summer/Winter comp.	Standard	SWTC_Func		0x0004	x.xx	BV3	x.xx	0	1		0 Summer/winter temp. compensation: ON/OFF
Fan	Outdoor temp. comp.	Standard	FlWTempCompFunc		0x0005	x.xx	BV4	x.xx	0	1		0 Flow/outdoor temperature compensation: ON/OFF
Damper, Recirculation	Recirculation heat	Standard	RecircFunc		0x0006	x.xx	BV5	x.xx	0	1		0 Recirculation: ON/OFF
Fan	Forced cooling	Standard	CoolFlwForceFc		0x0007	x.xx	BV6	x.xx	0	1		0 Forced flow with cooling demand: ON/OFF
AHU controller	Summer/winter time	Standard	TimeSw_SumFunc		0x0008	x.xx	BV7	x.xx	0	1		1 Automatic summer/winter time: ON/OFF
Fan	Speed	Standard	ExDriftPeriod		0x0009	x.xx	BV8	x.xx	0	1		0 Input for forced high speed
Fan	Speed	Standard	ExDriftPeriodON		0x0010	x.xx	BV9	x.xx	0	1		0 Run-on time for forced high speed active
Heat exchanger drive	Speed	Standard	EXC_CCV		0x0011	x.xx	NA	NA	0	1		0 Rotary heatexchanger, turn rotation direction to counter clock wise (CCW)
Fan	Speed	Standard	ExDriftPeriod		0x0012	x.xx	NA	NA	0	1		0 Input for forced medium speed
Pressure	Calibration	Standard	ManZeroCall		0x0020	x.xx	BV10	4.18	0	1		0 Start manual zero calibration (can be used together with automatic zero calibration)
Pressure	Calibration	Standard	AutoZeroCall		0x0021	x.xx	BV11	4.18	0	1		Is automatically reset to zero (OFF) once calibration has been completed
Filler	Alarm	Standard	FillDynAlrFunc		0x0022	x.xx	BV12	x.xx	0	1		0 Automatic zero calibration: ON/OFF
Filler	Calibration	Standard	FillCalibrate		0x0023	x.xx	BV13	x.xx	0	1		Dynamic filter alarm → ON/OFF
Filler	Control	Standard	FillCallDone		0x0024	x.xx	BV14	4.18	0	1		ON → static alarm limit (constant)
Combi coil	Control	Standard	CmbErChlMB		0x0025	x.xx	BV22	4.18	0	1		ON → dynamic alarm limit (limit based on flow)
Combi coil	Control	Standard	CmbErHeatMB		0x0026	x.xx	BV17	x.xx	0	1		0 Start filter calibration. Is automatically reset to zero (OFF) once calibration has been completed.
Temp. Out door	Control	Standard	CmbErCoolMB		0x0027	x.xx	BV18	x.xx	0	1		NOTE! ONLY IF "DYNAMIC MODE" IS SET
Temp. Room	Control	Standard	MBTOutAct		0x0028	x.xx	BV15	x.xx	0	1		0 Filter calibration completed (valid filter data)
Damper, Recirculation	Recirculation heat	Standard	MBTRoom1Actlv		0x0029	x.xx	BV16	x.xx	0	1		0 Enable combi coil for control via external Modbus [1=Modbus(0-Dig, input)]
Damper, Recirculation	Recirculation heat	Standard	MBForceRecirc		0x0030	4.18	BV19	x.xx	0	1		1 Hot water supply is available for the combi coil
AHU controller	Speed	Standard	MBEnbForceRec		0x0031	4.18	BV20	4.18	0	1		1 Cold water supply is available for the combi coil
AHU controller	Speed	Standard	Operation		1x0001	x.xx	B10	x.xx	0	1		0 Activate outdoor temperature from BMS
AHU controller	Speed	Standard	ExHSlop		1x0002	x.xx	B11	x.xx	0	1		0 Force recirc via Ext. Modbus
AHU controller	Speed	Standard	ExHISpeed		1x0003	x.xx	B12	x.xx	0	1		0 Enable Modbus Force recirc signal
AHU controller	Speed	Standard	ExDriftLSpeed		1x0004	x.xx	B13	x.xx	0	1		Operation ON/OFF
AHU controller	Speed	Standard	ExDriftMSpeed		1x0005	x.xx	B14	x.xx	0	1		External stop
Fan	Fire	Standard	ExBrandslop		1x0006	x.xx	B18	x.xx	0	1		Extended high speed → Active
Fan	Speed	Standard	ExDriftMSpeed		1x0007	x.xx	B1225	x.xx	0	1		Extended low speed → Active
Heating coil, Electric	Status	Standard	ElBatPowerRed		1x0010	x.xx	B15	x.xx	0	1		Status Brandstop input
AHU controller	Summer/Night Cooling	Standard	SN_Drift		1x0011	x.xx	B16	x.xx	0	1		Extended medium speed → Active
AHU controller	Summer/Winter comp.	Standard	SWTC_WintComp		1x0012	x.xx	B17	x.xx	0	1		Power to electric heating coil reduced due to low flow
AHU controller	Summer/Winter comp.	Standard	SWTC_SumComp		1x0013	x.xx	B18	x.xx	0	1		Summer night cooling is active
AHU controller	Summer/Winter comp.	Standard	SW_Status		1x0014	x.xx	B19	x.xx	0	1		Reset parameters for summer night cooling (new calculation is initiated)
Damper, Recirculation	Recirculation heat	Standard	RecircStatus		1x0015	x.xx	B10	x.xx	0	1		Winter temperature compensation is active
Heat exchanger	Status	Standard	EXC_Exercise		1x0016	x.xx	B11	x.xx	0	1		Summer/Winter actual status
Heat exchanger	Status	Standard	CExrciseProtect		1x0017	x.xx	B12	x.xx	0	1		OFF → winter operation ("0")
Fan	Status	Standard	SupDuctMinFlow		1x0018	x.xx	B13	x.xx	0	1		ON → summer operation ("1")
Fan	Status	Standard	ExDuctMinFlow		1x0019	x.xx	B14	x.xx	0	1		Recirculation status
Fan	Status	Standard	ExDuctMaxFlow		1x0020	x.xx	B15	x.xx	0	1		Exercising heat exchanger → Active
Fan	Status	Standard	HeatRecovery		1x0022	x.xx	B17	x.xx	0	1		Signal to cross-flow exchanger reduced (frost protection)
Heating coil 1, Water	Status	Standard	HW1FrostReg		1x0024	x.xx	B19	x.xx	0	1		Supply duct pressure controller reduced to min. flow
Heating coil 1, Water	Status	Standard	HW1PumpExer		1x0025	x.xx	B20	x.xx	0	1		Supply duct pressure controller increased to max. flow
Cooling coil	Status	Standard	CW_PumpExer		1x0026	4.18	B21	x.xx	0	1		Extract duct pressure controller reduced to min. flow
Heating coil 1, Electric	Status	Standard	Heat_FwdHReg		1x0027	x.xx	B22	x.xx	0	1		Extract duct pressure controller increased to max. flow
AHU controller	Status	Standard	TempRegMinSup		1x0028	x.xx	B23	x.xx	0	1		Cooling recovery → status
AHU controller	Status	Standard	TempRegMaxSup		1x0029	x.xx	B24	x.xx	0	1		Circulation pump on heating coil: Frost protection → Active
Heat exchanger	Status	Standard	BatExc_Exer		1x0030	x.xx	B25	x.xx	0	1		Circulation pump on heating coil: Pump exercising → Active
Heating coil 1	Status	Standard	Heat_RE1		1x0031	x.xx	B26	x.xx	0	1		CoolWaterCoil PumpExercise active
Cooling coil	Status	Standard	Cool_RE1		1x0032	x.xx	B27	x.xx	0	1		Signal to heating coil reduced (insufficient flow) → Active
Heat exchanger	Status	Standard	BatExc_PumpRE		1x0033	x.xx	B28	x.xx	0	1		"1" when min. supply temperature control is active.
AHU controller	Alarm	Standard	AlrActive		1x0034	x.xx	B29	x.xx	0	1		"1" when max. supply temperature control is active.

AHU controller	Alarm	Standard	Air RE1	1x0035	xxx	B130	xxx	0	1	Alarm relay 1 (A-Alarm)
AHU controller	Alarm	Standard	Air RE2	1x0036	xxx	B131	xxx	0	1	Alarm relay 2 (B-Alarm)
AHU controller	Fire	Standard	Air FireSignal	1x0037	xxx	B132	xxx	0	1	Fire alarm signal (room sensor)
AHU controller	Smoke	Standard	Air_SmokeSig	1x0038	xxx	B133	xxx	0	1	Smoke/fire alarm signal (duct sensor)
Heating coil, Electric	Alarm	Standard	ELI_OverHtBac	1x0039	xxx	B1219	xxx	0	1	Electric coil: High temperature alarm signal
Heating coil, Electric	Alarm	Standard	AirEBatCont	1x0040	xxx	B1220	xxx	0	1	Electric coil: Relay stuck
Filter	Alarm	Standard	FillSupAlarm	1x0041	xxx	B135	xxx	0	1	Filter alarm for supply filter (pressure drop above set limit)
Filter	Alarm	Standard	FillExAlarm	1x0042	xxx	B136	xxx	0	1	Filter alarm for extract filter (pressure drop above set limit)
Heat exchanger	Status	Special	CEExDelcng	1x0043	xxx	NA	NA	0	1	Reduction of cross-flow exchanger due to de-icing; deicing started
Heating coil 2, Electric	Status	Standard	ElBat2PowerRed	1x0045	4.18	NA	NA	0	1	Electric coil 2 - Output reduction active due to low flow
Filter	Alarm	Standard	FillSup2Alarm	1x0048	4.18	B1253	xxx	0	1	Filter Alarm for Sup2-Filter (pressure above Limit)
Filter	Alarm	Standard	FillEx2Alarm	1x0049	4.18	B1254	xxx	0	1	Filter Alarm for Ex2-Filter (pressure above Limit)
Temp. Supply	Alarm	Standard	SupTempsSensErr	1x0050	xxx	B137	xxx	0	1	Supply temperature sensor - sensor fault
Temp. Extract	Alarm	Standard	ExTempSensErr	1x0051	xxx	B138	xxx	0	1	Extract temperature sensor - sensor fault
Temp. Out door	Alarm	Standard	OutDoorSensErr	1x0052	xxx	B139	xxx	0	1	Outdoor temperature sensor - sensor fault
Temp. Room	Alarm	Standard	RoomSensErr	1x0053	xxx	B140	xxx	0	1	Room temperature sensor - sensor fault
Temp. Exhaust	Alarm	Standard	ExhaustSensErr	1x0054	xxx	B141	xxx	0	1	Exhaust temperature sensor - sensor fault
Heating coil 1, Water	Alarm	Standard	HW1SensErr	1x0055	xxx	B142	xxx	0	1	Heating coil temperature sensor - sensor fault
Heat exchanger	Alarm	Standard	BatEXC_SensErr	1x0056	xxx	B143	xxx	0	1	Heat recovery coil temperature sensor - sensor fault
Heating coil 1, Water	Alarm	Standard	HW1FrostAir	1x0057	xxx	B144	xxx	0	1	Heating coil frost alarm
Cooling coil	Alarm	Standard	Cool_SumAlarm	1x0060	xxx	B145	xxx	0	1	Cooling shared alarm
Cooling coil	Alarm	Standard	Cool_D11_Alarm	1x0061	xxx	B147	xxx	0	1	Cooling digital alarm 1 input
Cooling coil	Alarm	Standard	Cool_D12_Alarm	1x0062	xxx	B148	xxx	0	1	Cooling digital alarm 2 input
Cooling coil	Alarm	Standard	Cool_D13_Alarm	1x0063	xxx	B149	xxx	0	1	Cooling digital alarm 3 input
Cooling coil	Alarm	Standard	Cool_D14_Alarm	1x0064	xxx	B150	xxx	0	1	Cooling digital alarm 4 input
Fan, Supply drive	Status	Standard	SupMotorON	1x0070	xxx	B160	xxx	0	1	Supply motor ON/OFF
Fan, Supply drive	Alarm	Standard	SupMotorAlarm	1x0071	4.18	B161	xxx	0	1	Supply motor alarm (only with OJ-FC)
Fan, Supply drive	Alarm	Standard	FCsupMtrAlVlo	1x0072	xxx	B162	xxx	0	1	Supply motor high voltage alarm (only with OJ-FC)
Fan, Supply drive	Alarm	Standard	FCsupMtrAlVhi	1x0073	xxx	B163	xxx	0	1	Supply motor high current alarm (only with OJ-FC); motor protection
Fan, Supply drive	Alarm	Standard	FCsupMtrAlThi	1x0074	xxx	B164	xxx	0	1	Supply motor temperature alarm (only with OJ-FC)
Fan, Supply drive	Alarm	Standard	FCsupMtrAlTri	1x0075	xxx	B165	xxx	0	1	Supply motor phase fault alarm (only with OJ-FC)
Fan, Supply drive	Alarm	Standard	FCAlSupOVRip	1x0076	xxx	B166	xxx	0	1	Supply motor high current limit; short-circuit protection (only with OJ-FC)
Fan, Supply drive	Alarm	Standard	FCsupMtrAlRip	1x0077	NA	NA	NA	0	1	Supply Motor V Ripple Alarm
Fan, Supply drive	Alarm	Standard	FCsupMtrAlLim	1x0078	xxx	B167	xxx	0	1	Extract motor low voltage alarm
Fan, Supply drive	Alarm	Standard	FCsupMtrAlVhi	1x0079	4.18	B168	xxx	0	1	Extract motor high voltage alarm
Fan, Extract drive	Alarm	Standard	FCExtMtrAlVlo	1x0080	xxx	B169	xxx	0	1	Extract motor high current alarm
Fan, Extract drive	Alarm	Standard	FCExtMtrAlVhi	1x0081	xxx	B170	xxx	0	1	Extract motor high current limit
Fan, Extract drive	Alarm	Standard	FCExtMtrAlThi	1x0082	xxx	B171	xxx	0	1	Extract motor temperature alarm
Fan, Extract drive	Alarm	Standard	FCExtMtrAlTri	1x0083	xxx	B172	xxx	0	1	Extract motor phase fault alarm
Fan, Extract drive	Alarm	Standard	FCExtMtrAlRip	1x0084	xxx	B173	xxx	0	1	Extract Motor V Ripple Alarm
Fan, Extract drive	Alarm	Standard	FCExtMtrAlLim	1x0085	xxx	B174	xxx	0	1	Extract motor low voltage alarm (only with OJ-FC)
Fan, Extract drive	Alarm	Standard	FCExtMtrAlVlo	1x0086	xxx	B175	xxx	0	1	Extract motor high voltage alarm (only with OJ-FC)
Fan, Extract drive	Alarm	Standard	FCExtMtrAlVhi	1x0087	xxx	B176	xxx	0	1	Extract motor high current alarm (only with OJ-FC); motor protection
Fan, Extract drive	Alarm	Standard	FCExtMtrAlThi	1x0088	4.18	B177	xxx	0	1	Extract motor temperature alarm (only with OJ-FC)
Fan, Extract drive	Alarm	Standard	FCExtMtrAlTri	1x0089	xxx	B178	xxx	0	1	Extract motor phase fault alarm
Heat exchanger drive	Status	Standard	EXC_ON	1x0090	xxx	B186	xxx	0	1	Heat exchanger - motor control ON/OFF (only with OJ-RHX2M)
Heat exchanger drive	Status	Standard	EXC_Reset	1x0091	xxx	B187	xxx	0	1	Rotary heat exchanger - reset signal (only with OJ-RHX2M)
Heat exchanger drive	Status	Standard	EXC_Direction	1x0092	xxx	B188	xxx	0	1	Rotary heat exchanger - rotation direction (only with OJ-RHX2M)
Heat exchanger drive	Alarm	Standard	EXC_VolAlarm	1x0093	xxx	B189	xxx	0	1	Rotary heat exchanger - low voltage alarm (only with OJ-RHX2M)
Heat exchanger drive	Alarm	Standard	EXC_VibAlarm	1x0094	xxx	B190	xxx	0	1	Rotary heat exchanger - high voltage alarm (only with OJ-RHX2M)
Heat exchanger drive	Alarm	Standard	EXC_InvAlarm	1x0095	xxx	B191	xxx	0	1	Rotary heat exchanger - high current alarm (only with OJ-RHX2M)
Heat exchanger drive	Alarm	Standard	EXC_TempAlarm	1x0096	xxx	B192	xxx	0	1	Rotary heat exchanger - temperature alarm (only with OJ-RHX2M)
Heat exchanger drive	Status	Standard	EXC_RotSignal	1x0097	xxx	B175	xxx	0	1	Rotary heat exchanger - rotation signal (only with OJ-RHX2M)
Heat exchanger drive	Alarm	Standard	EXC_Overload	1x0098	xxx	B176	xxx	0	1	Rotary heat exchanger - torque overload (only with OJ-RHX2M)
Preheater coil, electric	Status	Standard	PH_PowReduce	1x0100	xxx	B193	xxx	0	1	Pre-heating coil - Output reduction, low air volume
Preheater coil, water	Status	Standard	PHFrostRegAct	1x0101	xxx	B189	xxx	0	1	Pre-heating coil - Relay for active heating/cooling
Preheater coil	Status	Standard	PHHeatRelay	1x0102	xxx	B191	xxx	0	1	Pre-heating coil - Frost protection active
Preheater coil, water	Alarm	Standard	PHFrzAirCool	1x0103	xxx	NA	NA	0	1	Pre-heating coil - Frost alarm, cooling
Preheater coil, electric	Alarm	Standard	PH_Overheat	1x0104	xxx	B192	xxx	0	1	Pre-heating coil - Overheating fault
Preheater coil, water	Alarm	Standard	PH_HWBsSensErr	1x0105	xxx	B194	xxx	0	1	Pre-heating coil - Return sensor - Sensor fault
Preheater coil, water	Alarm	Standard	PHFreezeAlarm	1x0106	xxx	B188	xxx	0	1	Preheater - heat relay 2
Preheater coil	Status	Standard	PHHeatRelay2	1x0107	xxx	B1226	xxx	0	1	Pre-heating coil - Heat relay 3 (Heat/Cool)
Preheater coil, water	Status	Special	PHHeatRelay3	1x0108	xxx	B176	xxx	0	1	Pre-heating coil - exercise active
Heat pump	Status	Standard	PH_PumpExtr	1x0109	4.18	B160	xxx	0	1	Changeover relay heatpump active
Heat pump	Status	Special	HP_CoolingAct	1x0110	xxx	B108	xxx	0	1	Status bit: De-icing of heatpump
Heat pump	Status	Special	HP_De-icingAct	1x0111	xxx	B109	xxx	0	1	Cooling stopped by room temperature
Cooling coil	Status	Special	NO_CSropRTStat	1x0112	xxx	B107	xxx	0	1	Coolrecovery over damper active
Cooling coil	Status	Special	NO_CREcovStat	1x0113	xxx	B106	xxx	0	1	Alarm - pressure transmitter not calibrated (ice guard rotor heat exchanger)
Heat exchanger	Alarm	Special	AirNoREXCali	1x0114	xxx	B104	xxx	0	1	Alarm - pressure transmitter not configured (ice guard rotor heat exchanger)
Heat exchanger	Alarm	Special	AirSensREXCNC	1x0115	xxx	B105	xxx	0	1	Alarm - rotor heat exchanger blocked by ice (high pressure over rotor wheel)
Heat exchanger	Alarm	Special	AirRefFrozen	1x0116	xxx	B110	xxx	0	1	Alarm - rotor heat exchanger blocked by dirt (high pressure over rotor wheel)
Heat exchanger	Alarm	Special	AirRefDusly	1x0117	xxx	B111	xxx	0	1	Alarm - Heat recovery efficiency below alarm limit
Heat exchanger	Alarm	Standard	AirEXCFTLow	1x0118	4.18	B195	xxx	0	1	Heating coil 2 - Return sensor - Sensor fault
Heating coil 2, Water	Alarm	Standard	HW2SensErr	1x0150	xxx	B186	xxx	0	1	

Heating coil 2 - Water	Alarm	Standard	HW2FrostAir	1x0151	xxx	BI87	xxx	0	1	Heating coil 2 - Frost alarm
Heating coil 2 - Water	Status	Standard	HW2FrostReg	1x0152	xxx	BI84	xxx	0	1	Heating coil 2 - Frost control active
Heating coil 2 - Water	Status	Standard	HW2PumpExer	1x0153	xxx	BI85	xxx	0	1	Heating coil 2 - Circulation pump, pump exercising active
Heater coil 2	Status	Standard	Heat_RE2	1x0154	xxx	BI278	4.22	0	1	Heating relay 2 (ExtMod-Reserve)
Heating coil 2 - Electric	Status	Special	Heat_RE21	1x0155	xxx	BI212	xxx	0	1	Heating relay 21 (ExtMod-Reserve)
Heating coil 2 - Electric	Status	Special	Heat_RE23	1x0156	xxx	BI213	xxx	0	1	Heating relay 23 (ExtMod-Reserve)
Heating coil 2 - Electric	Status	Special	Heat_RE24	1x0159	xxx	BI214	xxx	0	1	Heating relay 24 (ExtMod-Reserve)
Heating coil 2 - Electric	Status	Special	Heat_RE25	1x0160	xxx	BI216	xxx	0	1	Heating relay 25 (ExtMod-Reserve)
Temp. sensor	Alarm	Special	AddOntSens1Err	1x0161	xxx	BI79	xxx	0	1	Add on sensor 1 - Sensor fault
Temp. sensor	Alarm	Special	AddOntSens2Err	1x0162	xxx	BI80	xxx	0	1	Add on sensor 2 - Sensor fault
Temp. sensor	Alarm	Special	AddOntSens3Err	1x0163	xxx	BI81	xxx	0	1	Add on sensor 3 - Sensor fault
Temp. sensor	Alarm	Special	AddOntSens4Err	1x0164	xxx	BI82	xxx	0	1	Add on sensor 4 - Sensor fault
Heat exchanger	Alarm	Standard	HW_StatLufAir	1x0165	xxx	NA	NA	0	1	Status frost thermostat alarm (digital input)
Humidifier	Alarm	Standard	AlFzBstEXC	1x0166	xxx	NA	NA	0	1	Frost alarm fluid-coupled coil (ColiEXC)
Combi coil	Alarm	Standard	HumidAlnmp	1x0169	xxx	BI100	xxx	0	1	Humidifier alarm status
Combi coil	Alarm	Standard	Combi1Sens1Err	1x0170	xxx	BI279	4.22	0	1	Combi coil - Return sensor - Sensor fault
Combi coil	Alarm	Standard	CombiFrostAlH	1x0171	xxx	BI280	4.22	0	1	Combi coil - Frost alarm
Combi coil	Status	Standard	CombiFrostReg	1x0172	xxx	BI281	4.22	0	1	Combi coil - Frost protection active
Combi coil	Status	Standard	CombiPumpExer	1x0173	xxx	BI282	4.22	0	1	Combi coil - Circulation pump, pump exercising active
Combi coil	Status	Standard	CombiCoolRel	1x0174	xxx	BI283	4.22	0	1	Combi coil; Cooling relay active
Combi coil	Status	Standard	CombiHeatRel	1x0175	xxx	BI284	4.22	0	1	Combi coil; Heating relay active
Heating coil 2	Status	Special	H2DelayStatus	1x0176	xxx	BI113	xxx	0	1	Special customer code: Status timer Heat2
Heating coil 2	Status	Special	H2RecBkAct	1x0177	xxx	BI115	xxx	0	1	Special customer code: Blocking Heat2 in recirculation mode = Activated
Damper, Recirculation	Status	Special	H2FlowChgAct	1x0178	xxx	BI112	xxx	0	1	Special customer code: Flow changed caused Heat2 is activated
Damper, Recirculation	Status	Special	IntRecFlowStat	1x0179	xxx	BI116	xxx	0	1	Special customer code: Recirculation damper is closed
Heating coil 2	Status	Special	RecCloseDmpAct	1x0180	xxx	BI117	xxx	0	1	Special customer code: Limiting Heat2 is not activated
AHU controller	Status	Special	HT2DelLimBkNo	1x0181	xxx	BI114	xxx	0	1	Special customer code: Outdoor air cooling: Stop activated
Heating coil 1	Status	Special	NO_CSbppsStat	1x0182	xxx	NA	NA	0	1	Max. raise-fall-time is activated
Damper, Smoke evac.	Alarm	Special	HWTRIFaActiv	1x0183	xxx	BI118	xxx	0	1	Alarm smoke evacuation damper is activated
Fan, Supply drive 2	Alarm	Special	Air_FireEvaDmp	1x0184	xxx	BI277	4.22	0	1	OU-ECI-DV 2-supply air motor voltage low alarm
Fan, Supply drive 2	Alarm	Special	EC2supMAI/VhI	1x0185	xxx	BI20	xxx	0	1	OU-ECI-DV 2-supply air motor voltage high alarm
Fan, Supply drive 2	Alarm	Special	EC2supMAI/VhI	1x0186	xxx	BI21	xxx	0	1	OU-ECI-DV 2-supply air motor high current limit alarm
Fan, Supply drive 2	Alarm	Special	EC2supMAI/Tmp	1x0187	xxx	BI22	xxx	0	1	OU-ECI-DV 2-supply air motor temperature alarm
Fan, Supply drive 2	Alarm	Special	EC2supMAI/Tmp	1x0188	xxx	BI23	xxx	0	1	OU-ECI-DV 2-supply air motor phase error
Fan, Supply drive 2	Alarm	Special	EC2supRcBkBlk	1x0189	xxx	BI24	xxx	0	1	OU-ECI-DV 2-supply air motor alarm for blocked rotor
Fan, Supply drive 2	Alarm	Special	EC2supMtrHilLim	1x0190	xxx	BI26	xxx	0	1	OU-ECI-DV 2-supply air motor high current limit; shortcircuit protection
Fan, Supply drive 2	Alarm	Special	EC2supMtrHilLim	1x0191	xxx	BI19	xxx	0	1	OU-ECI-DV 2-supply air motor high current limit; shortcircuit protection
Fan, Extract drive 2	Alarm	Special	EC2extMtrAlVio	1x0192	xxx	BI28	xxx	0	1	OU-ECI-DV 2-extract/exhaust motor voltage low alarm
Fan, Extract drive 2	Alarm	Special	EC2extMtrAlVhI	1x0193	xxx	BI29	xxx	0	1	OU-ECI-DV 2-extract/exhaust motor voltage high alarm
Fan, Extract drive 2	Alarm	Special	EC2extMtrAlVhI	1x0194	xxx	BI30	xxx	0	1	OU-ECI-DV 2-extract/exhaust motor high current limit alarm
Fan, Extract drive 2	Alarm	Special	EC2extMtrAl/Tmp	1x0195	xxx	BI31	xxx	0	1	OU-ECI-DV 2-extract/exhaust motor temperature alarm
Fan, Extract drive 2	Alarm	Special	EC2extMtrAl/Phs	1x0196	xxx	BI32	xxx	0	1	OU-ECI-DV 2-extract/exhaust motor alarm for phase error
Fan, Extract drive 2	Alarm	Special	EC2extRcBkBlk	1x0197	xxx	BI34	xxx	0	1	OU-ECI-DV 2-extract/exhaust motor alarm for blocked rotor
Fan, Extract drive 2	Alarm	Special	EC2extMtrHilLim	1x0198	xxx	BI27	xxx	0	1	OU-ECI-DV 2-extract/exhaust motor high current limit; shortcircuit protection
Temp. sensor	Alarm	Standard	AirTTH6202Com	1x0199	xxx	BI55	xxx	0	1	TT-H6202 communication error
Fan, Supply drive	Alarm	Standard	ECsupMtrAlVio	1x0200	xxx	BI38	xxx	0	1	OU-ECI-DV-supply air motor voltage low alarm
Fan, Supply drive	Alarm	Standard	ECsupMtrAlVhI	1x0201	xxx	BI39	xxx	0	1	OU-ECI-DV-supply air motor voltage high alarm
Fan, Supply drive	Alarm	Standard	ECsupMtrAlVhI	1x0202	xxx	BI40	xxx	0	1	OU-ECI-DV-supply air motor high current limit alarm
Fan, Supply drive	Alarm	Standard	ECsupMtrAl/Tmp	1x0203	xxx	BI41	xxx	0	1	OU-ECI-DV-supply air motor temperature alarm
Fan, Supply drive	Alarm	Standard	ECsupMtrAl/Phs	1x0204	xxx	BI42	xxx	0	1	OU-ECI-DV-supply air motor phase error
Fan, Supply drive	Alarm	Standard	ECsupRotBkBlk	1x0205	xxx	BI44	xxx	0	1	OU-ECI-DV-supply air motor alarm for blocked rotor
Fan, Supply drive	Alarm	Standard	ECsupMtrHilLim	1x0206	xxx	BI37	xxx	0	1	OU-ECI-DV-supply air motor high current limit; shortcircuit protection
Fan, Extract drive	Alarm	Standard	ECextMtrAlVio	1x0207	xxx	BI46	xxx	0	1	OU-ECI-DV-extract/exhaust motor voltage low alarm
Fan, Extract drive	Alarm	Standard	ECextMtrAlVhI	1x0208	xxx	BI47	xxx	0	1	OU-ECI-DV-extract/exhaust motor voltage high alarm
Fan, Extract drive	Alarm	Standard	ECextMtrAl/Phs	1x0209	xxx	BI48	xxx	0	1	OU-ECI-DV-extract/exhaust motor high current limit alarm
Fan, Extract drive	Alarm	Standard	ECextMtrAl/Tmp	1x0210	xxx	BI49	xxx	0	1	OU-ECI-DV-extract/exhaust motor temperature alarm
Fan, Extract drive	Alarm	Standard	ECextMtrAl/Phs	1x0211	xxx	BI50	xxx	0	1	OU-ECI-DV-extract/exhaust motor alarm for phase error
Fan, Extract drive	Alarm	Standard	ECextRotBkBlk	1x0212	xxx	BI52	xxx	0	1	OU-ECI-DV-extract/exhaust motor alarm for blocked rotor
IO Extension module	Alarm	Standard	ECextMtrHilLim	1x0213	xxx	BI45	xxx	0	1	OU-ECI-DV-extract/exhaust motor high current limit; shortcircuit protection
IO Extension module	Alarm	Standard	AlEXiO1_Comm	1x0214	xxx	BI58	xxx	0	1	Extension IO-Modul no. 1 - communication error
IO Extension module	Alarm	Standard	AlEXiO2_Comm	1x0215	xxx	BI59	xxx	0	1	Extension IO-Modul no. 2 - communication error
IO Extension module	Alarm	Standard	AlEXiO3_Comm	1x0216	xxx	BI60	xxx	0	1	Extension IO-Modul no. 3 - communication error
IO Extension module	Alarm	Standard	AlEXiO4_Comm	1x0217	xxx	BI61	xxx	0	1	Extension IO-Modul no. 4 - communication error
IO Extension module	Alarm	Standard	AlEXiO5_Comm	1x0218	xxx	BI62	xxx	0	1	Extension IO-Modul no. 5 - communication error
IO Extension module	Alarm	Standard	AlEXiO6_Comm	1x0219	xxx	BI63	xxx	0	1	Extension IO-Modul no. 6 - communication error
IO Extension module	Alarm	Standard	AlEXiO7_Comm	1x0220	xxx	BI64	xxx	0	1	Extension IO-Modul no. 7 - communication error
IO Extension module	Alarm	Standard	AlEXiO8_Comm	1x0221	xxx	BI65	xxx	0	1	Extension IO-Modul no. 8 - communication error
Temp. sensor	Alarm	Special	AirAddOnSens1	1x0222	xxx	BI67	xxx	0	1	Add on sensor 1 - Sensor error
Temp. sensor	Alarm	Special	AirAddOnSens2	1x0223	xxx	BI68	xxx	0	1	Add on sensor 2 - Sensor error
Temp. sensor	Alarm	Special	AirAddOnSens3	1x0224	xxx	BI69	xxx	0	1	Add on sensor 3 - Sensor error
Temp. sensor	Alarm	Special	AirAddOnSens4	1x0225	xxx	BI70	xxx	0	1	Add on sensor 4 - Sensor error
Cooling, DX	Status	Special	ROHRRFaActiv	1x0226	xxx	BI74	xxx	0	1	Special customer code functionality
Combi coil	Status	Standard	CombEnChnMB	NA	xxx	BI75	4-18	0	1	CombiCoil enable Heat/Cool ctrl via MB
Combi coil	Status	Standard	Comb2CoolRel	1x0227	xxx	BI73	xxx	0	1	Combi coil; Cooling relay no. 2 active

Fan, Supply drive	Alarm	Standard	ECsupEEP_Err	1x0228	xxx	BI78	xxx	0	1	Supply air fan EEprom error
Fan, Supply drive 2	Alarm	Special	EC2supEEP_Err	1x0229	xxx	BI79	xxx	0	1	Supply air fan 2 EEprom error
Fan, Extract drive	Alarm	Standard	ECxEEP_Err	1x0230	xxx	BI80	xxx	0	1	Exhaust air fan EEprom error
Fan, Extract drive 2	Alarm	Special	EC2xEEP_Err	1x0231	xxx	BI81	xxx	0	1	Exhaust air fan 2 EEprom error
Temp. sensor	Alarm	Standard	TH6040CommAlr	1x0232	xxx	BI82	xxx	0	1	TH-6040 communication error
Cooling, DX	Alarm	Standard	LowOilDXHPAlr	1x0233	xxx	BI83	xxx	0	1	Low oil level cooling compressor
AHU controller	Alarm	Standard	AIFireWarnStop	1x0234	xxx	BI84	xxx	0	1	Fire main stop
Damper, Smoke evac.	Smoke	Standard	AIFireSmokeEvac	1x0235	xxx	BI85	xxx	0	1	Smoke evacuation activated
Temp. Room	Alarm	Standard	BMSRoomTOOR	1x0236	xxx	BI204	xxx	0	1	BMS room sensor out of range
Temp. Out door	Alarm	Standard	BMSOutDOOR	1x0237	xxx	BI201	xxx	0	1	BMS outdoor temperature out of range
Fan, Smoke evac.	Alarm	Standard	AIFSmokeEvacFan	1x0238	xxx	BI202	xxx	0	1	Smoke evacuation fan alarm
Damper, Fresh air	Status	Standard	StatInRel	1x0240	xxx	BI206	xxx	0	1	Output for outdoor air/exhaust air active
Damper, Supply air	Status	Standard	StatSupRel	1x0241	xxx	BI207	xxx	0	1	Output for supply air damper active
Damper, Recirculation	Status	Standard	StatRecRel	1x0242	xxx	BI208	xxx	0	1	Output for recirculation damper active
Temp. Out door	Alarm	Standard	ExOutDSensErr	1x0243	xxx	BI209	xxx	0	1	External outdoor temperature sensor - sensor error
Preheater coil, water	Alarm	Standard	PHTempSensErr	1x0244	xxx	BI210	xxx	0	1	Temperature sensor pre-heater - sensor error
Cooling coil	Alarm	Standard	CW_TSensor	1x0245	xxx	BI211	xxx	0	1	Cooling water supply temperature - sensor error
Heating coil 1, Electric	Status	Standard	Heat_REZ6	1x0246	xxx	BI217	xxx	0	1	Heating relay26 (ExtMod-Reserve)
Combil coil	Status	Standard	Combil_PumpRE	1x0247	xxx	BI218	xxx	0	1	Pump relay combi coil activated
Heating coil 2, Electric	Alarm	Standard	EL2_OverHBac	1x0248	xxx	BI219	xxx	0	1	Electric coil 2: High temperature alarm signal
Heating coil 2, Electric	Alarm	Standard	AIB42Contact	1x0249	xxx	BI222	xxx	0	1	Electric coil 2: Relay stuck
Filler	Alarm	Standard	OutFillAlrOn	1x0250	xxx	BI223	xxx	0	1	Alarm - Time is out for filter change supply air filter
Filler	Alarm	Standard	ExFillAlrOn	1x0251	xxx	BI224	xxx	0	1	Alarm - Time is out for filter change exhaust air filter
Filler	Calibration	Standard	FillCalDone	NA	xxx	BI227	xxx	0	1	0 Filter Calibration done (valid filterpress data) DYNAMICMODE ONLY
Fan	Speed	Standard	ExDrflmPeriod	NA	xxx	BI228	xxx	0	1	0 Input for forced medium speed
Fan, Supply drive	Alarm	Standard	FCAlsupPolim	1x0252	xxx	BI229	xxx	0	1	Alarm - Supply air fan, Power limit
Fan, Extract drive	Alarm	Standard	FCAlExPolim	1x0253	xxx	BI230	xxx	0	1	Alarm - Exhaust air fan, Power limit
Fan, Supply drive	Alarm	Standard	FCAlExDVRBlk	1x0254	xxx	BI231	xxx	0	1	Alarm - Supply air fan DV-FC Rotor blocked
Fan, Extract drive	Alarm	Standard	FCAlExDVRBlk	1x0255	xxx	BI232	xxx	0	1	Alarm - Exhaust air fan, DV-FC Rotor blocked
Fan, Supply drive	Alarm	Standard	DVAISupIStop	1x0256	xxx	BI233	xxx	0	1	Alarm - Supply air fan1, High Current Stop
Fan, Extract drive	Alarm	Standard	DVAISupIStop	1x0257	xxx	BI234	xxx	0	1	Alarm - Supply air fan2, High Current Stop
Fan, Supply drive 2	Alarm	Standard	DVAExtIStop	1x0258	xxx	BI235	xxx	0	1	Alarm - Exhaust air fan1, High Current Stop
Fan, Extract drive	Alarm	Standard	DVAExtIStop	1x0259	xxx	BI236	xxx	0	1	Alarm - Exhaust air fan2, High Current Stop
Fan, Extract drive 2	Status	Standard	CmbHeatState	1x0260	xxx	BI237	xxx	0	1	Status combi coil = Heating
Combil coil	Status	Standard	CmbCoolState	1x0261	xxx	BI238	xxx	0	1	Status combi coil = Heating
Preheater coil, electric	Alarm	Standard	Pre_OverHBac	1x0262	xxx	BI239	xxx	0	1	Alarm = over heating pre-heater
Preheater coil, electric	Alarm	Standard	AIFPhContact	1x0263	xxx	BI240	xxx	0	1	Alarm = preheater relay hanging
Fan, Supply drive	Alarm	Standard	ECsupHI0Alr	1x0264	xxx	BI241	xxx	0	1	Alarm OJ-EC/DV supply air = High IO current
Fan, Extract drive	Alarm	Standard	ECExHI0Alr	1x0265	xxx	BI242	xxx	0	1	Alarm OJ-EC/DV extract air = High IO current
Fan, Supply drive	Alarm	Special	EC2supHI0Alr	1x0266	xxx	BI243	xxx	0	1	Alarm OJ-EC/DV2 supply air = High IO current
Fan, Extract drive	Alarm	Special	EC2ExHI0Alr	1x0267	xxx	BI244	xxx	0	1	Alarm OJ-EC/DV2 extract air = High IO current
Fan, Supply drive 2	Alarm	Standard	AIFCommCVMMini	1x0268	4.21	NA	4.21	0	1	Communication CVM Mini Meter
Fan, Extract drive 2	Alarm	Standard	AIFCommCVMCool	1x0269	4.21	NA	4.21	0	1	Communication CVM Mini Cool Meter
CVM Mini Meter	Alarm	Standard	AIFSupFanStop	1x0270	4.18	BI245	4.18	0	1	B-Air SupFan is stopped
Fan, supply	Alarm	Standard	AIFCommHM20	1x0271	4.18	NA	NA	0	1	A-Air Comm Error HM20
HMI display	Alarm	Standard	AIFSMEvacDmp	1x0272	4.18	BI246	4.18	0	1	Smoke Evac Damper not in position
Damper, Smoke evac.	Alarm	Special	DPTH_1CommAlr	1x0273	4.18	BI247	4.18	0	1	Smoke Bypass Damper not in position
Pressure	Alarm	Standard	DPTH_2CommAlr	1x0274	4.18	BI248	4.18	0	1	Communication Alarm DPTH1
Pressure	Alarm	Standard	DPTH_3CommAlr	1x0275	4.18	BI249	4.18	0	1	Communication Alarm DPTH2
Pressure	Alarm	Standard	DPTH_4CommAlr	1x0276	4.18	BI250	4.18	0	1	Communication Alarm DPTH3
Pressure	Alarm	Standard	DPTH_5CommAlr	1x0277	4.18	BI251	4.18	0	1	Communication Alarm DPTH4
Pressure	Alarm	Standard	DPTH_50CommAlr	1x0278	4.18	BI252	4.18	0	1	Communication Alarm DPTH5
Filler	Alarm	Standard	SupFill2AlrOn	1x0279	4.18	BI255	4.18	0	1	Alarm from Supplyfilter2timer
Filler	Alarm	Standard	ExFill2AlrOn	1x0280	4.18	BI256	4.18	0	1	Alarm from Extractfilter2timer
Heating	Alarm	Standard	AIFrostLuft	1x0281	4.18	BI83	4.18	0	1	Alarm frost thermostat alarm (digital input)
Fan, Supply drive 2	Alarm	Special	EC2sup_ErrDir	1x0282	4.18	BI225	4.18	0	1	OJ-EC/DV2-Supply air motor Direction error
Fan, Extract drive 2	Alarm	Special	EC2Ext_ErrDir	1x0283	4.18	BI133	4.18	0	1	OJ-EC/DV-ExtractMotor Direction error
Fan, Supply drive 2	Alarm	Special	AIEC2SupCom	1x0284	4.18	BI135	4.18	0	1	OJ-EC/DV2 Supply Comm Alarm
Fan, Extract drive 2	Alarm	Special	AIEC2ExCom	1x0285	4.18	BI136	4.18	0	1	OJ-EC/DV2 E-Extract Comm Alarm
Fan, Supply drive	Alarm	Standard	ECsup_ErrDir	1x0286	4.18	BI143	4.18	0	1	OJ-EC/DV2-SupplyMotor Direction error
Fan, Extract drive	Alarm	Standard	ECExt_ErrDir	1x0287	4.18	BI151	4.18	0	1	OJ-EC/DV-ExtractMotor Direction error
Fan, Supply drive	Alarm	Standard	AIOJ_ECS_Comm	1x0288	4.18	BI153	4.18	0	1	OJ-EC/DV Supply Comm Alarm
Fan, Extract drive	Alarm	Standard	AIOJ_ECE_Comm	1x0289	4.18	BI154	4.18	0	1	OJ-EC/DV Extract Comm Alarm
Damper, Smoke evac.	Alarm	Special	AIBDRes7Com	1x0290	4.18	BI156	4.18	0	1	Communication Alarm Belimo ResNo7 Damper
Damper, Smoke evac.	Alarm	Special	AIBDRes7Pos	1x0291	4.18	BI157	4.18	0	1	Communication Alarm Belimo ResNo7 Damper
Temp. sensor	Alarm	Standard	AIFSupTemp2	1x0292	4.18	BI166	4.18	0	1	Suppsensor 2 alarm
Fan, Supply drive	Alarm	Standard	AIFSupMtr	1x0293	4.18	BI171	4.18	0	1	ExtMotor Alarm
Fan, Extract drive	Alarm	Standard	AIFExMtr	1x0294	4.18	BI172	4.18	0	1	Alarm Avt Communication alarm Supply
Fan, ATV drive	Alarm	Special	AIFAVSupComm	1x0295	4.18	BI96	4.18	0	1	Alarm Avt Communication alarm Extract
Fan, ATV drive	Alarm	Special	AIFAVExtComm	1x0296	4.18	BI97	4.18	0	1	Alarm Avt Communication alarm Extract
Fan, ATV drive	Alarm	Special	AIFAVSupFC	1x0297	4.18	BI98	4.18	0	1	Alarm Avt FC Supply
Fan, ATV drive	Alarm	Special	AIFAVExtFC	1x0298	4.18	BI99	4.18	0	1	Alarm Avt FC Extract
Preheater coil, electric	Alarm	Standard	AIFDeIceCont	1x0299	4.18	BI101	4.18	0	1	Contact error DeIce El-coil
Preheater coil, electric	Alarm	Standard	AIFDeIceOverh	1x0300	4.18	BI102	4.18	0	1	DeIce overheat alarm El-coil
Preheater coil, electric	Alarm	Special	AIFDeIceReduc	1x0301	4.18	BI103	4.18	0	1	DeIce power reduction alarm El-coil

Fan, Extract drive	Alarm	Standard	ExtMotorAlarm	1x0302	4.18	BI60	4.18	0	1	ExtractMotor ON/OFF
Zone 1	Status	Standard	ZM_PIR	1x0303	4.19	BI257	4.19	0	1	ZoneControl PIR Active
Zone 1	Status	Standard	ZM1_WinFrost	1x0304	4.19	BI258	4.19	0	1	ZoneModule 1 - WindowFrost Value
Zone 1	Status	Standard	ZM1_PIR	1x0305	4.19	BI259	4.19	0	1	ZoneModule 1 - PIR Active
Zone 1	Status	Standard	ZM1_RoomTempErr	1x0306	4.19	BI260	4.19	0	1	ZoneModule 1 - Room Temp Sensor Error
Zone 2	Status	Standard	ZM2_WinFrost	1x0307	4.19	BI261	4.19	0	1	ZoneModule 2 - WindowFrost Value
Zone 2	Status	Standard	ZM2_RoomTempErr	1x0308	4.19	BI262	4.19	0	1	ZoneModule 2 - Room Temp Sensor Error
Zone 2	Status	Standard	ZM2_PIR	1x0309	4.19	BI263	4.19	0	1	ZoneModule 2 - PIR Active
Zone 3	Status	Standard	ZM3_WinFrost	1x0310	4.19	BI264	4.19	0	1	ZoneModule 3 - WindowFrost Value
Zone 3	Status	Standard	ZM3_RoomTempErr	1x0311	4.19	BI265	4.19	0	1	ZoneModule 3 - Room Temp Sensor Error
Zone 3	Status	Standard	ZM3_PIR	1x0312	4.19	BI266	4.19	0	1	ZoneModule 3 - PIR Active
Zone 3	Status	Standard	ZM3_SupTempErr	1x0313	4.19	BI267	4.19	0	1	ZoneModule 3 - Supply Temp Sensor Error
Zone 4	Status	Standard	ZM4_WinFrost	1x0314	4.19	BI268	4.19	0	1	ZoneModule 4 - WindowFrost Value
Zone 4	Status	Standard	ZM4_PIR	1x0315	4.19	BI269	4.19	0	1	ZoneModule 4 - PIR Active
Zone 4	Status	Standard	ZM4_RoomTempErr	1x0316	4.19	BI270	4.19	0	1	ZoneModule 4 - Room Temp Sensor Error
Zone 4	Status	Standard	ZM4_SupTempErr	1x0317	4.19	BI271	4.19	0	1	ZoneModule 4 - Supply Temp Sensor Error
Cooling coil	Status	Standard	Cool_RE2	1x0319	4.19	BI272	4.19	0	1	Cooling Relay 2
Cooling coil	Status	Standard	Cool_RE3	1x0320	4.22	BI273	4.21	0	1	Cooling Relay 3
Cooling coil	Status	Standard	Cool_RE4	1x0321	4.22	BI274	4.21	0	1	Cooling Relay 4
Fan, supply	Alarm	Standard	AirComSupFan	1x0500	xxx	BI185	xxx	0	1	Common Alarm - supply air fan
Fan, supply	Alarm	Standard	AirComSupFDu	1x0501	xxx	BI187	xxx	0	1	Common Alarm - supply pressure/flow
Fan	Alarm	Standard	AirComExtFan	1x0502	xxx	BI188	xxx	0	1	Common Alarm - extract fan
Fan	Alarm	Standard	AirComExtFDu	1x0503	xxx	BI186	xxx	0	1	Common Alarm - extract pressure/flow
Heating coil, Water	Alarm	Standard	AirComHW/Pump	1x0504	xxx	BI184	xxx	0	1	Common Alarm - circulation pump
Heating coil, Water	Alarm	Standard	AirComEXC	1x0505	xxx	BI189	xxx	0	1	Common Alarm - heat exchanger
Heating coil, Electric	Alarm	Standard	AirComFreeze	1x0506	xxx	BI190	xxx	0	1	Common Alarm - frost
AHU controller	Alarm	Standard	AirComHeat	1x0507	xxx	BI191	xxx	0	1	Common Alarm - electric heating coil
AHU controller	Alarm	Standard	AirComTemp	1x0508	xxx	BI192	xxx	0	1	Common Alarm - temperature high/low
Filter	Alarm	Standard	AirComSFilt	1x0509	xxx	BI193	xxx	0	1	Common Alarm - supply filter
Temp. sensor	Alarm	Standard	AirComEFilt	1x0510	xxx	BI194	xxx	0	1	Common Alarm - extract filter
Damper, Direct Modbus	Alarm	Standard	AirComTempSens	1x0511	xxx	BI195	xxx	0	1	Common Alarm - temperature sensor
AHU controller	Alarm	Standard	AirComCool	1x0512	xxx	BI196	xxx	0	1	Common Alarm - cooling
AHU controller	Alarm	Standard	AirComBDamp	1x0513	xxx	BI197	xxx	0	1	Common Alarm - damper
AHU controller	Status	Standard	BMS_ImStat	1x0514	xxx	BI198	xxx	0	1	Common Alarm - Internal Modbus error
AHU controller	Status	Standard	ExternImoState	1x0515	4.18	BI199	4.18	0	1	Activate BMS control
AHU controller	Status	Standard	StairImoState	1x0522	xxx	BI200	xxx	0	1	Input external low speed
AHU controller	Status	Standard	StairImoState	1x0523	xxx	BI177	xxx	0	1	Status external start input
AHU controller	Control	Standard	DriftMode	3x0001	xxx	AI0	xxx	0	500	Actual operating mode 000-099: Unit stopped 100-199: Unit in low speed mode 200-299: Unit in high speed mode 300-399: Unit in spec. control mode 410-414: Unit in medium speed mode
Pressure	Current value	Standard	SupDuctPa	3x0003	xxx	AI1	xxx	0	5000	Actual supply duct pressure [Pa]
Pressure	Set point	Standard	SupDuctPaRgSet	3x0004	xxx	AI2	xxx	0	2000	Setpoint for supply duct pressure controller [Pa]
Pressure	Current value	Standard	ExDuctPa	3x0005	xxx	AI3	xxx	0	5000	Actual extract duct pressure [Pa]
Pressure	Set point	Standard	ExDuctPaRgSet	3x0006	xxx	AI4	xxx	0	2000	Setpoint for extract duct pressure controller [Pa]
Fan	Current value	Standard	SupFlow	3x0007	xxx	AI5	xxx	0	30000	Actual supply flow [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the O.u-Air2Master)
Fan	Set point	Standard	SupFlowRegSet	3x0008	xxx	AI6	xxx	0	30000	Setpoint for supply flow controller [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the O.u-Air2Master)
Fan	Current value	Standard	ExFlow	3x0009	xxx	AI7	xxx	0	30000	Actual extract flow [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the O.u-Air2Master)
Fan	Set point	Standard	ExFlowRegSet	3x0010	xxx	AI8	xxx	0	30000	Setpoint for extract flow controller [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the O.u-Air2Master)
CO2 sensor	Current value	Standard	CO2_ppmMeas	3x0011	xxx	AI9	xxx	0	10000	CO2 concentration recorded by CO2 sensor [ppm]
Fan	Current value	Standard	MtrFanSupVin	3x0012	xxx	AI10	xxx	0	10000	0-10 V DC signal to supply motor
Fan	Current value	Standard	MtrFanExVin	3x0013	xxx	AI11	xxx	0	10000	0-10 V DC signal to extract motor
Fan optimizer	Current value	Standard	FAN_SupPrcMeas	3x0014	xxx	AI12	xxx	0	10000	Voltage on fan optimizer input: supply signal [1/100%]
Fan optimizer	Current value	Standard	FAN_ExpPrcMeas	3x0015	xxx	AI13	xxx	0	10000	Voltage on fan optimizer input: extract signal [1/100%]
Fan	Set point	Standard	SupFC_MaxFlow	3x0016	xxx	AI14	xxx	100	30000	Supply FC max. flow [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the O.u-Air2Master)
Fan	Set point	Standard	ExFC_MaxFlow	3x0017	xxx	AI15	xxx	100	30000	Extract FC max. flow [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the O.u-Air2Master)
Temp. Supply	Current value	Standard	SupTemp	3x0020	xxx	AI16	xxx	0	6000	Actual supply temperature [1/100°C]
Temp. Supply	Set point	Standard	SupTempRegSet	3x0021	xxx	AI17	xxx	0	4000	Setpoint for supply temperature controller [1/100°C]
Temp. Extract	Current value	Standard	ExtTemp	3x0022	xxx	AI18	xxx	0	4000	Actual extract temperature [1/100°C]
Temp. Extract	Set point	Standard	ExtTempRegSet	3x0023	xxx	AI19	xxx	10	4000	Setpoint for extract temperature controller [1/100°C]
Temp. out door	Current value	Standard	OutDoorTemp	3x0024	xxx	AI20	xxx	0	4000	Actual outdoor temperature [1/100°C]
Temp. room	Current value	Standard	RoomTemp	3x0025	xxx	AI21	xxx	0	21200	Actual room temperature [1/100°C]
Temp. Exhaust	Current value	Standard	ExhaustTemp	3x0026	xxx	AI22	xxx	0	4000	Actual exhaust temperature [1/100°C]
AHU controller	Current value	Standard	TempRegMeas	3x0027	xxx	AI23	xxx	0	4000	Temp. recorded by actual temperature controller [1/100°C]
AHU controller	Set point	Standard	TempRegVal	3x0028	xxx	AI24	xxx	0	4000	Control value for actual temperature controller [1/100°C]
Temp. after heat recovery	Current value	Standard	BattEXC_Temp	3x0029	xxx	AI25	xxx	0	6000	Water coil temperature downstream from heat exchanger [1/100°C]
Heating coil 1, Water	Current value	Standard	HWTBattTemp	3x0030	xxx	AI26	xxx	0	4000	Actual heating coil temperature [1/100°C]

Filter	Current value	Standard	SupFillPaAvr ExFillPaAvr	Pa	3x0031 3x0032	x.xx x.xx	A127 A128	x.xx x.xx	0 5000	supply filter pressure [1/100Pa] Extract filter pressure [1/100Pa]
Filter	Current value	Standard	FillSupFlowAvr	Pa	3x0033	x.xx	NA	x.xx	0	Average filter supply flow - for internal use only in connection to dynamic filter suvellance [1/100Pa]
Fan	Set point	Standard	SupMotorSet	%	3x0034	x.xx	A129	x.xx	0	supply motor signal setpoint [1/100%]
Filter	Average value	Standard	FillEXFlowAvr	Pa	3x0035	x.xx	NA	x.xx	0	Average filter exhaust flow - for internal use only in connection to dynamic filter suvellance [1/100Pa]
Fan	Set point	Standard	ExtMotorSet	%	3x0036	x.xx	A130	x.xx	0	Extract motor signal setpoint [%]
Filter	Average value	Standard	FillSupPaAvr	Pa	3x0037	x.xx	NA	x.xx	0	Average supfilter-pressure [1/100Pa/30]
Filter	Average value	Standard	FillEXPaAvr	Pa	3x0038	x.xx	NA	x.xx	0	Average exfilter-pressure [1/100Pa/30]
Filter	Set point	Standard	FillSupAlPa	Pa	3x0039	x.xx	A131	x.xx	0	supply filter monitor max. alarm limit [Pa] ONLY IN DYNAMIC MODE (0° IS STATIC MODE)
Filter	Set point	Standard	FillEXAlPa	Pa	3x0040	x.xx	A132	x.xx	0	Extract filter monitor max. alarm limit [Pa] ONLY IN DYNAMIC MODE (0° IS STATIC MODE)
Temp. heatpump	Current value	Special	HP_OutCoilTemp	°C	3x0041	x.xx	NA	NA	0	Actual outdoor temperature near outdoor heat pump parts [1/100°C]
Heat exchanger	Current value	Standard	EXCActualEff	%	3x0042	x.xx	A108	x.xx	0	Heat exchanger efficiency [1/100%]
Fan. ATV drive	Alarm	Special	AtvSupFCType	%	3x0043	x.xx	A106 A107	x.xx x.xx	0	Supply ATV frequency converter - Actual FC type Exhaust ATV frequency converter - Actual FC type
Filter	Set point	Special	FillSup2AlPa	Pa	3x0045	4.18		x.xx	0	Filter pressure for alarm-limit at actual flow [Pa] DYNAMICMODE ONLY (zero in staticmode)
Filter	Set point	Standard	FillEX2AlPa	Pa	3x0046	4.18		x.xx	0	Filter pressure for alarm-limit at actual flow [Pa] DYNAMICMODE ONLY (zero in staticmode)
Filter	Average value	Standard	SupFill2PaAvr	Pa	3x0047	4.18	A1130	x.xx	0	Supply 2 FilterPressure (Avr-Meas) [1/100Pa]
AHU controller	Set point	Standard	FWTmpCmpOut	%	3x0049	4.18	A131	4.18	0	Temp. compensated flow setpoint percentage [1/100%]
AHU controller	Summer/Winter comp.	Standard	SWTc_ActSetOfs	C	3x0051	x.xx	A134	x.xx	0	Summer/Winter temp. compensation of actual setpoint offset [1/100°C]
AHU controller	Summer Night Cooling	Standard	SN_HeatTime	Sec	3x0052	x.xx	NA	NA	0	Summer/Night Time with Heat Demand [sec]
Heat exchanger	Set point	Standard	HeatEXCPower	%	3x0053	x.xx	A135	x.xx	0	Heat exchanger controller heating power [1/100%]
Heating	Set point	Standard	CoolPower	%	3x0054	x.xx	A136	x.xx	0	Actual heating power [1/100%]
Cooling coil	Set point	Standard	CoolActPower	%	3x0055	x.xx	A137	x.xx	0	Cooling controller power [1/100%]
Cooling coil	Set point	Standard	CoolFlowForcePw	%	3x0056	x.xx	A138	x.xx	0	Cooling forced flow power [1/100%]
Cooling coil	Set point	Standard	CoolVln1Alarm	%	3x0057	x.xx	A139	x.xx	0	Cooling alarm 1 transducer signal [1/100%]
Cooling DX	Current value	Standard	CoolVln2Alarm	%	3x0058	x.xx	A140	x.xx	0	Cooling alarm 2 transducer signal [1/100%]
Cooling DX	Current value	Standard	CoolVln3Alarm	%	3x0059	x.xx	A141	x.xx	0	Cooling alarm 3 transducer signal [1/100%]
Cooling DX	Current value	Standard	CoolVln4Alarm	%	3x0060	x.xx	A142	x.xx	0	Cooling alarm 4 transducer signal [1/100%]
Cooling DX	Current value	Standard	C_LoPress1Bar	Bar	3x0062	x.xx	A144	x.xx	0	Actual low pressure sensor 1 [1/100 bar]
Cooling DX	Current value	Standard	C_LoPress2Bar	Bar	3x0063	x.xx	A145	x.xx	0	Actual high pressure sensor 1 [1/100 bar]
Cooling DX	Current value	Standard	C_LoPress2Bar	Bar	3x0064	x.xx	A146	x.xx	0	Actual high pressure sensor 2 [1/100 bar]
Cooling DX	Current value	Standard	C_HIPress2Bar	Bar	3x0065	x.xx	A147	x.xx	0	Actual high pressure sensor 2 [1/100 bar]
Heater coil 2	Set point	Standard	Heat2Power	%	3x0066	x.xx	A103	x.xx	0	Heating 2 - Regulator power [1/100%]
Fan. Supply drive	Current value	Standard	FCsupMtrType	%	3x0070	x.xx	A148	x.xx	0	Supply motor type (only with OJ-FC)
Fan. Supply drive	SW version	Standard	FCsupMtrFC_SW	%	3x0071	x.xx	A149	x.xx	0	Supply motor software version [1/100] (only with OJ-FC)
Fan. Supply drive	Current value	Standard	FCsupMtrIO_SW	%	3x0072	x.xx	A150	x.xx	0	Supply motor IO card software version [1/100] (only with OJ-FC)
Fan. Supply drive	Current value	Standard	FCsupMtrPrOut	%	3x0073	x.xx	A151	x.xx	0	Supply motor output percentage [1/100%] (only with OJ-FC)
Fan. Supply drive	Current value	Standard	FCsupMtrHzOut	Hz	3x0074	x.xx	A152	x.xx	0	Supply motor frequency output [1/100 Hz] (only with OJ-FC)
Fan. Supply drive	Current value	Standard	FCsupMtrIrrOut	mA	3x0075	x.xx	A153	x.xx	0	Supply motor actual current output [mA] (only with OJ-FC)
Fan. Supply drive	Current value	Standard	FCsupMtrPwOut	W	3x0076	x.xx	A154	x.xx	0	Supply motor actual power output [Watt] (only with OJ-FC)
Fan. Supply drive	Set point	Standard	FCsupMtrPrcSet	%	3x0077	x.xx	A155	x.xx	0	Supply motor setpoint [%]
Fan. Supply drive	Current value	Standard	FCsupMtrPrcSet	%	3x0078	x.xx	A156	x.xx	0	Specific fan power (SFP), supply [W·s/m³ = J/m³] (only with OJ-FC)
Fan. Extract drive	Current value	Standard	FCextMtrType	%	3x0080	x.xx	A157	x.xx	0	Extract motor type (only with OJ-FC)
Fan. Extract drive	SW version	Standard	FCextMtrFC_SW	%	3x0081	x.xx	A158	x.xx	0	Extract motor software version [1/100] (only with OJ-FC)
Fan. Extract drive	Current value	Standard	FCextMtrIO_SW	%	3x0082	x.xx	A159	x.xx	0	Extract motor IO card software version [1/100] (only with OJ-FC)
Fan. Extract drive	Current value	Standard	FCextMtrPrcOut	%	3x0083	x.xx	A160	x.xx	0	Extract motor output percentage [1/100%] (only with OJ-FC)
Fan. Extract drive	Current value	Standard	FCextMtrHzOut	Hz	3x0084	x.xx	A161	x.xx	0	Extract motor frequency output [1/100 Hz] (only with OJ-FC)
Fan. Extract drive	Current value	Standard	FCextMtrIrrOut	mA	3x0085	x.xx	A162	x.xx	0	Extract motor actual current output [mA] (only with OJ-FC)
Fan. Extract drive	Current value	Standard	FCextMtrPwOut	W	3x0086	x.xx	A163	x.xx	0	Extract motor actual power output [Watt] (only with OJ-FC)
Fan. Extract drive	Set point	Standard	FCextMtrPrcSet	%	3x0087	x.xx	A164	x.xx	0	Extract motor output setpoint [1/100%]
Fan. Extract drive	Current value	Standard	EXCSFP	J/m	3x0088	x.xx	A165	x.xx	0	Specific fan power (SFP), extract [W·s/m³ = J/m³] (only with OJ-FC)
Heat exchanger drive	Current value	Standard	EXC_Type	%	3x0090	x.xx	A166	x.xx	0	Rotary heat exchanger - motor type (only with OJ-RHX2M)
Heat exchanger drive	SW version	Standard	EXC_Software	%	3x0091	x.xx	A167	x.xx	0	Rotary heat exchanger - software version [1/100] (only with OJ-RHX2M)
Heat exchanger drive	Current value	Standard	EXC_PrcOut	%	3x0092	x.xx	A168	x.xx	0	Rotary heat exchanger - percentage [1/100%]
Heat exchanger drive	Current value	Standard	EXC_RpmOut	rpm	3x0093	x.xx	A169	x.xx	0	Rotary heat exchanger - speed output [1/100 rpm]
Heat exchanger drive	Current value	Standard	EXC_Iout	mA	3x0094	x.xx	A170	x.xx	0	Rotary heat exchanger - actual output [mA] (only with OJ-RHX2M)
Heat exchanger drive	Current value	Standard	EXC_Power	W	3x0095	x.xx	A171	x.xx	0	Rotary heat exchanger - output power [W] (only with OJ-RHX2M)
Heat exchanger drive	Current value	Standard	EXC_DriftDays	Day	3x0096	x.xx	A172	x.xx	0	Rotary heat exchanger - days of operation (only with OJ-RHX2M)
Heat exchanger drive	Set point	Standard	EXC_PrcSet	%	3x0097	x.xx	A173	x.xx	0	Rotary heat exchanger - percentage setpoint [1/100%] (only with OJ-RHX2M)
IO Extension module	SW version	Standard	EXTM1_SW_Ver	%	3x0100	x.xx	A174	x.xx	0	Extension module 1 software version [1/100]
IO Extension module	SW version	Standard	EXTM2_SW_Ver	%	3x0101	x.xx	A175	x.xx	0	Extension module 2 software version [1/100]
Preheater coil	Current value	Standard	PHWMTTemp	°C	3x0102	x.xx	A105	x.xx	0	Actual temperature of pre-heating coil [1/100°C]
Preheater coil	Set point	Standard	PH_HeatPower	%	3x0103	x.xx	A104	x.xx	0	Actual output of pre-heating coil [1/100%]
AHU controller	Time	Standard	TimeSweWeekDay	%	3x0110	x.xx	A176	x.xx	0	Actual day of the week (0=Mon, 6=Sun)
AHU controller	Status	Standard	ExDriftDaysLeft	%	3x0111	x.xx	A177	x.xx	0	Extended operation, remaining number of days
AHU controller	Status	Standard	ExDriftMinLeft	Min	3x0112	x.xx	A178	x.xx	0	Extended operation, remaining number of minutes

Device	Parameter	Unit	Value	Standard	Notes
Heat pump	Actual pressure at the heat pump outdoor coil.	Pa	3x0115	Special	
AHU controller	AI_Released00	Alarm	3x0120	Standard	Stack for active alarms (0 indicates end of stack)
AHU controller	AI_Released01	Alarm	3x0121	Standard	Stack for active alarms (0 indicates end of stack)
AHU controller	AI_Released02	Alarm	3x0122	Standard	Stack for active alarms (0 indicates end of stack)
AHU controller	AI_Released03	Alarm	3x0123	Standard	Stack for active alarms (0 indicates end of stack)
AHU controller	AI_Released04	Alarm	3x0124	Standard	Stack for active alarms (0 indicates end of stack)
AHU controller	AI_Released05	Alarm	3x0125	Standard	Stack for active alarms (0 indicates end of stack)
AHU controller	AI_Released06	Alarm	3x0126	Standard	Stack for active alarms (0 indicates end of stack)
AHU controller	AI_Released07	Alarm	3x0127	Standard	Stack for active alarms (0 indicates end of stack)
AHU controller	AI_Released08	Alarm	3x0128	Standard	Stack for active alarms (0 indicates end of stack)
AHU controller	AI_Released09	Alarm	3x0129	Standard	Stack for active alarms (0 indicates end of stack)
AHU controller	AI_Released10	Alarm	3x0130	Standard	Stack for active alarms (0 indicates end of stack)
AHU controller	AI_Released11	Alarm	3x0131	Standard	Stack for active alarms (0 indicates end of stack)
AHU controller	AI_Released12	Alarm	3x0132	Standard	Stack for active alarms (0 indicates end of stack)
AHU controller	AI_Released13	Alarm	3x0133	Standard	Stack for active alarms (0 indicates end of stack)
AHU controller	AI_Released14	Alarm	3x0134	Standard	Stack for active alarms (0 indicates end of stack)
AHU controller	AI_Released15	Alarm	3x0135	Standard	Stack for active alarms (0 indicates end of stack)
HMI display	MastersW_Ver	SW version	3x0140	Standard	Display software version [1/100]
Damper, Fire	DisplaySW_Ver	SW version	3x0141	Standard	Display software version [1/100]
Damper, Fire	AIFireDmpNClS	Alarm	3x0142	Standard	Alarm, Fire damper not closed
Damper, Fire	AIFireDmpNOpn	Alarm	3x0143	Standard	Alarm, Fire damper not open
Status	FireDmpTstActv	Status	3x0144	Standard	Fire damper test is ongoing
Status	DX_OnTimerRE1	Sec	3x0145	Standard	Timer for DX-Cool RE-1 ON-Period [sec] (ExtMod-Reserve)
Status	DX_OnTimerRE2	Sec	3x0146	Standard	Timer for DX-Cool RE-2 ON-Period [sec] (ExtMod-Reserve)
Status	DX_OnTimerRE3	Sec	3x0147	Standard	Timer for DX-Cool RE-3 ON-Period [sec] (ExtMod-Reserve)
Status	DX_OnTimerRE4	Sec	3x0148	Standard	Timer for DX-Cool RE-4 ON-Period [sec] (ExtMod-Reserve)
Status	DX_RestartCnt1	Status	3x0149	Standard	Counter for DX-Cool RE-1 starts per hour (ExtMod-Reserve)
Heating coil 2, Water	HWZBattTemp	°C	3x0150	Standard	Heating 2 - Hydronic coil return temperature [1/100 °C]
Cooling, DX	DX_RestartCnt3	Status	3x0151	Standard	Counter for DX-Cool RE-3 starts per hour (ExtMod-Reserve)
Cooling, DX	DX_RestartCnt4	Status	3x0152	Standard	Counter for DX-Cool RE-4 starts per hour (ExtMod-Reserve)
Cooling, DX	DX_RestartTim1	Sec	3x0153	Standard	Timer 1 for min. restart period [sec]
Cooling, DX	DX_RestartTim2	Sec	3x0154	Standard	Timer 2 for min. restart period [sec]
Cooling, DX	DX_RestartTim3	Sec	3x0155	Standard	Timer 3 for min. restart period [sec]
Cooling, DX	DX_RestartTim4	Sec	3x0156	Standard	Timer 4 for min. restart period [sec]
Filter	FilterSupPrctStat	%	3x0157	Standard	Filter actual alarm status for sub-filter [1/100%]
Filter	FilterSupNewPa	Pa	3x0158	Standard	Filter pressure for new-filter at actual flow [Pa]
Filter	FilterEXNewPa	Pa	3x0159	Standard	Filter pressure for new-filter at actual flow [Pa]
Temp. sensor	AddOn1Sensor1	°C	3x0161	Special	Add on sensor 1 [1/100 °C]
Temp. sensor	AddOn1Sensor2	°C	3x0162	Special	Add on sensor 2 [1/100 °C]
Temp. sensor	AddOn1Sensor3	°C	3x0163	Special	Add on sensor 3 [1/100 °C]
Temp. sensor	AddOn1Sensor4	°C	3x0164	Special	Add on sensor 4 [1/100 °C]
Fan	MIFanSupVIn	%	NA	Standard	0-10 V DC signal to supply motor
Fan	MIFanExVIn	%	NA	Standard	0-10 V DC signal to extract motor
Cooling, DX	ROHCondPower	W	3x0165	Special	Only special customer code: Step-up valve - Output [1/100%]
Cooling, DX	ROHCondVDC	V	3x0166	Special	Only special customer code: Step-up valve - Voltage [1/1000 V]
Cooling, DX	ROHShutPower	W	3x0167	Special	Only special customer code: Condenser coil - Output [1/100%]
Cooling, DX	ROHShutVDC	V	3x0168	Special	Only special customer code: Condenser coil - Voltage [1/1000 V]
Humidifier	Humid_OutVDC	V	3x0169	Standard	Output to Steam Humidifier [1/1000 V]
Humidity	Humid_AcRHSExt	%	3x0170	Standard	Actual % rel. Humidity Supply duct [1/100%rh]
Humidity	Humid_VDCOut	mV	3x0171	Standard	Actual % rel. Humidity Extract duct [1/100%rh]
Heating coil 12	HW12_VDCOut	mV	NA	Special	Only special customer code: Heat coil 1, step2 output (1,2) VDC out
Damper, Recirculation	RecAlfFlowAct	Status	3x0172	Special	Only special customer code: Actual status change flow recirc. - 0=No change; 1=Low to high; 2=High to low
Heating coil 2	HE2DelayTimer	Sec	3x0174	Standard	Only special customer code: Timer delayed Heat2 [Sec]
Heat exchanger	REXCPrtsAvg	%	3x0175	Special	Only special customer code: Actual press. drop over rotary exch. in exhaust air [Pa]
Combi coil	CombiVDCOut	V	3x0176	Standard	Combi coil VDC-Signal [1/1000 V]
Combi coil	CombiHeatPow	%	3x0177	Standard	Combi coil %-Signal Heating [1/100 %]
Combi coil	HeatPmpHeatPow	%	3x0178	Special	Heat pump efficiency in heat demand. Else CoolPower [1/100 %]
Fan, Supply drive 2	EC2supMTType	Status	3x0179	Special	Only special customer code: OJ-EC-DV 2-supply/Supply air motor Type
Fan, Supply drive 2	EC2supMEC_SW	SW version	3x0180	Special	Only special customer code: OJ-EC-DV 2-supply/Supply air motor Boot Software Ver [1/100]
Fan, Supply drive 2	EC2supMRPrctOut	%	3x0181	Special	Only special customer code: OJ-EC-DV 2-supply/Supply air motor percent output [1/100%]
Fan, Supply drive 2	EC2supMRPrctOut	RPM	3x0182	Special	Only special customer code: OJ-EC-DV 2-supply/Supply air motor actual RPM [RPM]
Fan, Supply drive 2	EC2supMlPowOut	W	3x0183	Special	Only special customer code: OJ-EC-DV 2-supply/Supply air motor actual power output [mW]
Fan, Supply drive 2	EC2supDriftMin	Min	3x0184	Special	Only special customer code: OJ-EC-DV 2-supply/Supply air motor actual power output [Watt]
Fan, Supply drive 2	EC2supDriftDay	Day	3x0185	Special	Only special customer code: OJ-EC-DV 2-supply/Supply air motor actual running time [minutes]
Fan, Supply drive 2	EC2supMPrctSet	%	3x0186	Special	Only special customer code: OJ-EC-DV 2-supply/Supply air motor setpoint [1/100%]
Fan, Extract drive 2	EC2exMTType	Status	3x0187	Special	Only special customer code: OJ-EC-DV 2-Extract/Exhaust air motor Type
Fan, Extract drive 2	EC2exMMEC_SW	SW version	3x0188	Special	Only special customer code: OJ-EC-DV 2-Extract/Exhaust air motor Boot Software Ver [1/100]
Fan, Extract drive 2	EC2exMPrctOut	%	3x0189	Special	Only special customer code: OJ-EC-DV 2-Extract/Exhaust air motor percent output [1/100%]
Fan, Extract drive 2	EC2exMPrctOut	RPM	3x0190	Special	Only special customer code: OJ-EC-DV 2-Extract/Exhaust air motor actual RPM [RPM]
Fan, Extract drive 2	EC2exMlPowOut	W	3x0191	Special	Only special customer code: OJ-EC-DV 2-Extract/Exhaust air motor actual power output [Watt]
Fan, Extract drive 2	EC2exDriftMin	Min	3x0192	Special	Only special customer code: OJ-EC-DV 2-Extract/Exhaust air motor actual running time [minutes]
Fan, Extract drive 2	EC2exDriftDay	Day	3x0193	Special	Only special customer code: OJ-EC-DV 2-Extract/Exhaust air motor actual running time [days]
Fan, Extract drive 2	EC2exMPrctSet	%	3x0194	Special	Only special customer code: OJ-EC-DV 2-Extract/Exhaust air motor setpoint [1/100%]

Fan, Extract drive 2	Special	EC2extMtrPovOut	W	3x0195	xxx	NA	NA	0	7000	Only special customer code: QJ-EC-DV 2-Extract/Exhaust air motor actual power output [Watt]
Fan, Extract drive 2	Special	EC2extDriftMin	Min	3x0196	xxx	NA	NA	0	1440	Only special customer code: QJ-EC-DV 2-Extract/Exhaust air motor actual running time [minutes]
Fan, Extract drive 2	Special	EC2extMtrPrsSet	Day	3x0197	xxx	NA	NA	0	30000	Only special customer code: QJ-EC-DV 2-Extract/Exhaust air motor actual running time [days]
Fan, Supply drive	Standard	EC2extMtrPrsSet	Day	3x0198	xxx	NA	NA	0	10000	Only special customer code: QJ-EC-DV 2-Extract/Exhaust air motor setpoint [1/100%]
Fan, Supply drive	Standard	EC2extMtrPrsSet	Day	3x0200	xxx	NA	NA	0	256	QJ-EC-DV-supply/Supply air motor Type
Fan, Supply drive	Standard	EC2extMtrPrsSet	Day	3x0201	xxx	NA	NA	0	1000	QJ-EC-DV-supply/Supply air motor Software Ver [1/100]
Fan, Supply drive	Standard	EC2extMtrPrsSet	Day	3x0202	xxx	NA	NA	0	1000	QJ-EC-DV-supply/Supply air motor Boot Software Ver [1/100]
Fan, Supply drive	Standard	EC2extMtrPrsSet	Day	3x0203	xxx	NA	NA	0	10000	QJ-EC-DV-supply/Supply air motor percent udgng [1/100%]
Fan, Supply drive	Standard	EC2extMtrPrsSet	Day	3x0204	xxx	NA	NA	0	10000	QJ-EC-DV-supply/Supply air motor actual RPM [RPM]
Fan, Supply drive	Standard	EC2extMtrPrsSet	Day	3x0205	xxx	NA	NA	0	30000	QJ-EC-DV-supply/Supply air motor actual current output [1/100mA]
Fan, Supply drive	Standard	EC2extMtrPrsSet	Day	3x0206	xxx	NA	NA	0	10000	QJ-EC-DV-supply/Supply air motor actual power output [Watt]
Fan, Supply drive	Standard	EC2extMtrPrsSet	Day	3x0207	xxx	NA	NA	0	1440	QJ-EC-DV-supply/Supply air motor actual running time [minutes]
Fan, Supply drive	Standard	EC2extMtrPrsSet	Day	3x0208	xxx	NA	NA	0	30000	QJ-EC-DV-supply/Supply air motor actual running time [days]
Fan, Supply drive	Standard	EC2extMtrPrsSet	Day	3x0209	xxx	NA	NA	0	10000	QJ-EC-DV-supply/Supply air motor setpoint [1/100%]
Fan, Supply drive	Standard	EC2extMtrPrsSet	Day	3x0210	xxx	NA	NA	0	1000	QJ-EC-DV-Extract/Exhaust air motor Boot Software Ver [1/100]
Fan, Supply drive	Standard	EC2extMtrPrsSet	Day	3x0211	xxx	NA	NA	0	10000	QJ-EC-DV-Extract/Exhaust air motor percent udgng [1/100%]
Fan, Supply drive	Standard	EC2extMtrPrsSet	Day	3x0212	xxx	NA	NA	0	10000	QJ-EC-DV-Extract/Exhaust air motor actual RPM [RPM]
Fan, Supply drive	Standard	EC2extMtrPrsSet	Day	3x0213	xxx	NA	NA	0	30000	QJ-EC-DV-Extract/Exhaust air motor actual current output [1/100mA]
Fan, Supply drive	Standard	EC2extMtrPrsSet	Day	3x0214	xxx	NA	NA	0	7000	QJ-EC-DV-Extract/Exhaust air motor actual power output [Watt]
Fan, Supply drive	Standard	EC2extMtrPrsSet	Day	3x0215	xxx	NA	NA	0	1440	QJ-EC-DV-Extract/Exhaust air motor actual running time [minutes]
Fan, Supply drive	Standard	EC2extMtrPrsSet	Day	3x0216	xxx	NA	NA	0	30000	QJ-EC-DV-Extract/Exhaust air motor actual running time [days]
Fan, Supply drive	Standard	EC2extMtrPrsSet	Day	3x0217	xxx	NA	NA	0	10000	QJ-EC-DV-Extract/Exhaust air motor setpoint [1/100%]
Fan, Supply drive	Standard	EC2extMtrPrsSet	Day	3x0218	xxx	NA	NA	0	256	QJ-EC-DV-Extract/Exhaust air motor Type
Fan, Supply drive	Standard	EC2extMtrPrsSet	Day	3x0219	xxx	NA	NA	0	1000	QJ-EC-DV-Extract/Exhaust air motor Software Ver [1/100]
Fan, Supply drive	Standard	EC2extMtrPrsSet	Day	3x0220	xxx	NA	NA	0	1000	QJ-EC-DV-Extract/Exhaust air motor Boot Software Ver [1/100]
Temp. out door	Standard	EXOutDTemp	°C	3x0221	xxx	NA	NA	-5000	5000	External outdoor temperature code: Actual supply supply temperature2 [1/100°C]
Preheater coil	Standard	CW_supplyTemp	°C	3x0222	xxx	AI118	AI118	0	4000	Temperature after pre-heating coil [1/100 °C]
Damper, Recirculation	Standard	RecFreshAirDis	%	3x0223	xxx	AI119	AI119	0	4000	Cold water supply temperature for cooling coil [1/100 °C]
Damper, Recirculation	Standard	RecDampPrDis	%	3x0224	xxx	AI120	AI120	-4000	4000	Damper position intake/outdoor damper [1/100 %]
Cooling coil	Standard	CoolVDC_Out2	V	3x0225	xxx	AI121	AI121	0	10000	Output voltage cooling valve2 (only combi coil) [1/1000 V]
Fan, ATV drive	Special	AtvExpPower	kW	3x0226	xxx	AI122	AI122	0	10000	ATV extract air actual power [1/100 kW]
Fan, ATV drive	Standard	AtvSupPower	kW	3x0227	xxx	AI116	AI116	0	30000	ATV supply air actual power [1/100 kW]
Fan, ATV drive	Standard	OutFlResDay	Day	3x0228	xxx	AI117	AI117	0	30000	Days until timer alarm from the extract filter
Filter	Standard	ExFlResDay	Day	3x0230	xxx	AI124	AI124	0	366	Days until timer alarm from the outdoor filter
Filter	Standard	CombiBatTemp	°C	3x0231	xxx	AI125	AI125	0	366	combi coil - Actual return temperature [1/100°C]
Humidity	Standard	RelHumMixed	%	3x0232	xxx	AI126	AI126	0	4000	Actual relative humidity in mixed air [1/100%rh]
Filter	Standard	SupFlzRestDay	Day	3x0233	418	AI129	AI129	0	10000	Supply filter 2: Restime before change filter alarm will be activated
Filter	Standard	ExFlzResDay	Day	3x0234	418	NA	NA	0	366	Extract filter 2: Restime before change filter alarm will be activated
Zone	Standard	ZM_Count	Count	3x0235	419	AI132	AI132	0	4	Number of Detected ZoneModules
Zone	Standard	ZM_OpMode	Mode	3x0236	419	AI133	AI133	0	7	ZoneControl Operation Mode
Zone 1	Standard	ZM1_Status	Status	3x0237	419	AI134	AI134	0	0	ZoneModule 1 - Status: 0=No active alarm; 1=A-alarm active; 2=B-alarm active
Zone 1	Standard	ZM1_Sup1Set	Setpoint	3x0238	419	AI135	AI135	0	2	ZoneModule 1 - VAV Supply 1 Actuator Setpoint [scale depending on the connected actuator]
Zone 1	Standard	ZM1_Sup1Flow	Flow	3x0239	419	AI136	AI136	0	0	ZoneModule 1 - VAV Supply 1 Actuator Flow [scale depending on the connected actuator]
Zone 1	Standard	ZM1_Sup2Set	Setpoint	3x0240	419	AI137	AI137	0	0	ZoneModule 1 - VAV Supply 2 Actuator Setpoint [scale depending on the connected actuator]
Zone 1	Standard	ZM1_Sup2Flow	Flow	3x0241	419	AI138	AI138	0	0	ZoneModule 1 - VAV Supply 2 Actuator Flow [scale depending on the connected actuator]
Zone 1	Standard	ZM1_ExtSet	Setpoint	3x0242	419	AI139	AI139	0	0	ZoneModule 1 - VAV Extract Actuator Setpoint [scale depending on the connected actuator]
Zone 1	Standard	ZM1_ExtFlow	Flow	3x0243	419	AI140	AI140	0	0	ZoneModule 1 - VAV Extract Actuator Flow [scale depending on the connected actuator]
Zone 1	Standard	ZM1_HeatSet	Setpoint	3x0244	419	AI141	AI141	0	0	ZoneModule 1 - VAV Heating Actuator Setpoint [scale depending on the connected actuator]
Zone 1	Standard	ZM1_HeatFlow	Flow	3x0245	419	AI142	AI142	0	0	ZoneModule 1 - VAV Heating Actuator Flow [scale depending on the connected actuator]
Zone 1	Standard	ZM1_CoolSet	Setpoint	3x0246	419	AI143	AI143	0	0	ZoneModule 1 - VAV Cooling Actuator Setpoint [scale depending on the connected actuator]
Zone 1	Standard	ZM1_CoolFlow	Flow	3x0247	419	AI144	AI144	0	0	ZoneModule 1 - VAV Cooling Actuator Flow [scale depending on the connected actuator]
Zone 1	Standard	ZM1_RoomTemp	Temp	3x0248	419	AI145	AI145	-4000	10000	ZoneModule 1 - Room Temperature Value [1/100°C]
Zone 1	Standard	ZM1_SetTemp	Temp	3x0249	419	AI146	AI146	-4000	10000	ZoneModule 1 - Supply Temperature Value [1/100°C]
Zone 1	Standard	ZM1_SetOffset	Offset	3x0250	419	AI147	AI147	-4000	10000	ZoneModule 1 - Remote Setpoint Offset [1/100°C]
Zone 1	Standard	ZM1_CO2VOC	Value	3x0251	419	AI148	AI148	0	5000	ZoneModule 1 - CO2/VOC Value [ppm]
Zone 1	Standard	ZM1_RH	Value	3x0252	419	AI149	AI149	0	10000	ZoneModule 1 - RH Value [1/100%rh]
Zone 1	Standard	ZM2_Status	Status	3x0253	419	AI150	AI150	0	2	ZoneModule 2 - Status: 0=No active alarm; 1=A-alarm active; 2=B-alarm active
Zone 2	Standard	ZM2_Sup1Set	Setpoint	3x0254	419	AI151	AI151	0	0	ZoneModule 2 - VAV Supply 1 Actuator Setpoint [scale depending on the connected actuator]
Zone 2	Standard	ZM2_Sup1Flow	Flow	3x0255	419	AI152	AI152	0	0	ZoneModule 2 - VAV Supply 1 Actuator Flow [scale depending on the connected actuator]
Zone 2	Standard	ZM2_Sup2Set	Setpoint	3x0256	419	AI153	AI153	0	0	ZoneModule 2 - VAV Supply 2 Actuator Setpoint [scale depending on the connected actuator]
Zone 2	Standard	ZM2_Sup2Flow	Flow	3x0257	419	AI154	AI154	0	0	ZoneModule 2 - VAV Supply 2 Actuator Flow [scale depending on the connected actuator]
Zone 2	Standard	ZM2_ExtSet	Setpoint	3x0258	419	AI155	AI155	0	0	ZoneModule 2 - VAV Extract Actuator Setpoint [scale depending on the connected actuator]
Zone 2	Standard	ZM2_ExtFlow	Flow	3x0259	419	AI156	AI156	0	0	ZoneModule 2 - VAV Extract Actuator Flow [scale depending on the connected actuator]
Zone 2	Standard	ZM2_HeatSet	Setpoint	3x0260	419	AI157	AI157	0	0	ZoneModule 2 - VAV Heating Actuator Setpoint [scale depending on the connected actuator]
Zone 2	Standard	ZM2_HeatFlow	Flow	3x0261	419	AI158	AI158	0	0	ZoneModule 2 - VAV Heating Actuator Flow [scale depending on the connected actuator]
Zone 2	Standard	ZM2_CoolSet	Setpoint	3x0262	419	AI159	AI159	0	0	ZoneModule 2 - VAV Cooling Actuator Setpoint [scale depending on the connected actuator]
Zone 2	Standard	ZM2_CoolFlow	Flow	3x0263	419	AI160	AI160	0	0	ZoneModule 2 - VAV Cooling Actuator Flow [scale depending on the connected actuator]
Zone 2	Standard	ZM2_RoomTemp	Temp	3x0264	419	AI161	AI161	-4000	10000	ZoneModule 2 - Room Temperature Value [1/100°C]
Zone 2	Standard	ZM2_SupTemp	Temp	3x0265	419	AI162	AI162	-4000	10000	ZoneModule 2 - Supply Temperature Value [1/100°C]
Zone 2	Standard	ZM2_SetOffset	Offset	3x0266	419	AI163	AI163	-4000	10000	ZoneModule 2 - Remote Setpoint Offset [1/100°C]
Zone 2	Standard	ZM2_CO2VOC	Value	3x0267	419	AI164	AI164	0	5000	ZoneModule 2 - CO2/VOC Value [ppm]
Zone 2	Standard	ZM2_RH	Value	3x0268	419	AI165	AI165	0	10000	ZoneModule 2 - RH Value [1/100%rh]
Zone 3	Standard	ZM3_Status	Status	3x0269	419	AI166	AI166	0	2	ZoneModule 3 - Status: 0=No active alarm; 1=A-alarm active; 2=B-alarm active
Zone 3	Standard	ZM3_Sup1Set	Setpoint	3x0270	419	AI167	AI167	0	0	ZoneModule 3 - VAV Supply 1 Actuator Setpoint [scale depending on the connected actuator]

Zone	Status	Standard	Zone 3	3x0271	4.19	A1168	4.19	0	0	ZoneModule 3 - VAV Supply 1 Actuator Flow [scale depending on the connected actuator]
Zone 3	Status	Standard	Zone 3	3x0272	4.19	A1169	4.19	0	0	ZoneModule 3 - VAV Supply 2 Actuator Flow [scale depending on the connected actuator]
Zone 3	Status	Standard	Zone 3	3x0273	4.19	A1170	4.19	0	0	ZoneModule 3 - VAV Extract Actuator Flow [scale depending on the connected actuator]
Zone 3	Status	Standard	Zone 3	3x0274	4.19	A1171	4.19	0	0	ZoneModule 3 - VAV Extract Actuator Setpoint [scale depending on the connected actuator]
Zone 3	Status	Standard	Zone 3	3x0275	4.19	A1172	4.19	0	0	ZoneModule 3 - VAV Heating Actuator Flow [scale depending on the connected actuator]
Zone 3	Status	Standard	Zone 3	3x0276	4.19	A1173	4.19	0	0	ZoneModule 3 - VAV Heating Actuator Setpoint [scale depending on the connected actuator]
Zone 3	Status	Standard	Zone 3	3x0277	4.19	A1174	4.19	0	0	ZoneModule 3 - VAV Cooling Actuator Flow [scale depending on the connected actuator]
Zone 3	Status	Standard	Zone 3	3x0278	4.19	A1175	4.19	0	0	ZoneModule 3 - VAV Cooling Actuator Setpoint [scale depending on the connected actuator]
Zone 3	Status	Standard	Zone 3	3x0279	4.19	A1176	4.19	0	0	ZoneModule 3 - VAV Heating Actuator Flow [scale depending on the connected actuator]
Zone 3	Status	Standard	Zone 3	3x0280	4.19	A1177	4.19	0	0	ZoneModule 3 - VAV Heating Actuator Setpoint [scale depending on the connected actuator]
Zone 3	Status	Standard	Zone 3	3x0281	4.19	A1178	4.19	-4000	10000	ZoneModule 3 - Room Temperature Value [1/100°C]
Zone 3	Status	Standard	Zone 3	3x0282	4.19	A1179	4.19	-4000	10000	ZoneModule 3 - Supply Temperature Value [1/100°C]
Zone 3	Status	Standard	Zone 3	3x0283	4.19	A1180	4.19	0	5000	ZoneModule 3 - Remote Setpoint Offset [1/100°C]
Zone 3	Status	Standard	Zone 3	3x0284	4.19	A1181	4.19	0	10000	ZoneModule 3 - CO2VOC Value [ppm]
Zone 3	Status	Standard	Zone 3	3x0285	4.19	A1182	4.19	0	2	ZoneModule 3 - RH Value [1/100%rh]
Zone 3	Status	Standard	Zone 3	3x0286	4.19	A1183	4.19	0	0	ZoneModule 4 - Status: 0=No active alarm; 1=A-alarm active; 2=B-alarm active
Zone 3	Status	Standard	Zone 3	3x0287	4.19	A1184	4.19	0	0	ZoneModule 4 - VAV Supply 1 Actuator Flow [scale depending on the connected actuator]
Zone 3	Status	Standard	Zone 3	3x0288	4.19	A1185	4.19	0	0	ZoneModule 4 - VAV Supply 2 Actuator Flow [scale depending on the connected actuator]
Zone 3	Status	Standard	Zone 3	3x0289	4.19	A1186	4.19	0	0	ZoneModule 4 - VAV Extract Actuator Flow [scale depending on the connected actuator]
Zone 3	Status	Standard	Zone 3	3x0290	4.19	A1187	4.19	0	0	ZoneModule 4 - VAV Extract Actuator Setpoint [scale depending on the connected actuator]
Zone 3	Status	Standard	Zone 3	3x0291	4.19	A1188	4.19	0	0	ZoneModule 4 - VAV Heating Actuator Flow [scale depending on the connected actuator]
Zone 3	Status	Standard	Zone 3	3x0292	4.19	A1189	4.19	0	0	ZoneModule 4 - VAV Heating Actuator Setpoint [scale depending on the connected actuator]
Zone 3	Status	Standard	Zone 3	3x0293	4.19	A1190	4.19	0	0	ZoneModule 4 - VAV Cooling Actuator Flow [scale depending on the connected actuator]
Zone 3	Status	Standard	Zone 3	3x0294	4.19	A1191	4.19	0	0	ZoneModule 4 - VAV Cooling Actuator Setpoint [scale depending on the connected actuator]
Zone 3	Status	Standard	Zone 3	3x0295	4.19	A1192	4.19	-4000	10000	ZoneModule 4 - Room Temperature Value [1/100°C]
Zone 3	Status	Standard	Zone 3	3x0296	4.19	A1193	4.19	-4000	10000	ZoneModule 4 - Supply Temperature Value [1/100°C]
Zone 3	Status	Standard	Zone 3	3x0297	4.19	A1194	4.19	0	5000	ZoneModule 4 - Remote Setpoint Offset [1/100°C]
Zone 3	Status	Standard	Zone 3	3x0298	4.19	A1195	4.19	0	10000	ZoneModule 4 - RH Value [1/100%rh]
Zone 3	Status	Standard	Zone 3	3x0299	4.19	A1196	4.19	0	5200	ZoneModule 4 - VAV Supply 1 Actuator Flow [scale depending on the connected actuator]
Zone 3	Status	Standard	Zone 3	3x0300	4.19	A1197	4.19	0	5200	ZoneModule 4 - VAV Supply 2 Actuator Flow [scale depending on the connected actuator]
Zone 3	Status	Standard	Zone 3	3x0301	4.21	A1198	4.21	0	6000	CVM Phase L1 to neutral (N) voltage [V]
Zone 3	Status	Standard	Zone 3	3x0302	4.21	A1199	4.21	0	65535	CVM Current L1 value [A]
Zone 3	Status	Standard	Zone 3	3x0303	4.21	A1200	4.21	0	65535	CVM Active power [kW]
Zone 3	Status	Standard	Zone 3	3x0304	4.21	A1201	4.21	0	5200	CVM Phase L2 to neutral (N) voltage [V]
Zone 3	Status	Standard	Zone 3	3x0305	4.21	A1202	4.21	0	6000	CVM Current L2 value [A]
Zone 3	Status	Standard	Zone 3	3x0306	4.21	A1203	4.21	0	65535	CVM Active power [kW]
Zone 3	Status	Standard	Zone 3	3x0307	4.21	A1204	4.21	0	5200	CVM Phase L3 to neutral (N) voltage [V]
Zone 3	Status	Standard	Zone 3	3x0308	4.21	A1205	4.21	0	6000	CVM Current L3 value [A]
Zone 3	Status	Standard	Zone 3	3x0309	4.21	A1206	4.21	0	65535	CVM Active power [kW]
Zone 3	Status	Standard	Zone 3	3x0310	4.21	A1207	4.21	0	65535	CVM Active power three phases [kW]
Zone 3	Status	Standard	Zone 3	3x0311	4.21	A1208	4.21	0	600	CVM Frequency value [Hz]
Zone 3	Status	Standard	Zone 3	3x0312	4.21	A1209	4.21	0	5200	CVM Phase-phase Voltage L1 to L2 [V]
Zone 3	Status	Standard	Zone 3	3x0313	4.21	A1210	4.21	0	5200	CVM Phase-phase Voltage L2 to L3 [V]
Zone 3	Status	Standard	Zone 3	3x0314	4.21	A1211	4.21	0	5200	CVM Phase-phase Voltage L3 to L1 [V]
Zone 3	Status	Standard	Zone 3	3x0315	4.26	A1212	4.26	0	65535	CVM Active energy three phases [kWh]
Zone 3	Status	Standard	Zone 3	3x0330	4.21	A1213	4.21	0	5200	CVM Cool Phase L1 to neutral (N) voltage [V]
Zone 3	Status	Standard	Zone 3	3x0331	4.21	A1214	4.21	0	6000	CVM Cool Current L1 value [A]
Zone 3	Status	Standard	Zone 3	3x0332	4.21	A1215	4.21	0	65535	CVM Cool Active power [kW]
Zone 3	Status	Standard	Zone 3	3x0333	4.21	A1216	4.21	0	5200	CVM Cool Phase L2 to neutral (N) voltage [V]
Zone 3	Status	Standard	Zone 3	3x0334	4.21	A1217	4.21	0	6000	CVM Cool Current L2 value [A]
Zone 3	Status	Standard	Zone 3	3x0335	4.21	A1218	4.21	0	65535	CVM Cool Active power [kW]
Zone 3	Status	Standard	Zone 3	3x0336	4.21	A1219	4.21	0	5200	CVM Cool Phase L3 to neutral (N) voltage [V]
Zone 3	Status	Standard	Zone 3	3x0337	4.21	A1220	4.21	0	6000	CVM Cool Current L3 value [A]
Zone 3	Status	Standard	Zone 3	3x0338	4.21	A1221	4.21	0	65535	CVM Cool Active power [kW]
Zone 3	Status	Standard	Zone 3	3x0339	4.21	A1222	4.21	0	65535	CVM Cool Active power three phases [kW]
Zone 3	Status	Standard	Zone 3	3x0340	4.21	A1223	4.21	0	600	CVM Cool Frequency value [Hz]
Zone 3	Status	Standard	Zone 3	3x0341	4.21	A1224	4.21	0	5200	CVM Cool Phase-phase Voltage L1 to L2 [V]
Zone 3	Status	Standard	Zone 3	3x0342	4.21	A1225	4.21	0	5200	CVM Cool Phase-phase Voltage L2 to L3 [V]
Zone 3	Status	Standard	Zone 3	3x0343	4.21	A1226	4.21	0	5200	CVM Cool Phase-phase Voltage L3 to L1 [V]
Zone 3	Status	Standard	Zone 3	3x0344	4.26	A1227	4.26	0	65535	CVM Cool Active energy three phases [kWh]
Zone 3	Status	Special	Zone 3	NA	NA	A1228	4.21	0	30000	Actual power (kW) electrical battery 1
Zone 3	Status	Special	Zone 3	NA	NA	A1229	4.21	0	30000	Actual power (kW) electrical battery 2
Zone 3	Status	Special	Zone 3	NA	NA	A1230	4.21	0	30000	Actual power (kW) Supply fan
Zone 3	Status	Special	Zone 3	NA	NA	A1231	4.21	0	30000	Actual power (kW) Extract fan
1. Info	1. Info	1. Info	1. Info	1. Info	1. Info	1. Info	1. Info	1. Info	1. Info	1. Info
Set point	Set point	Set point	Set point	Set point	Set point	Set point	Set point	Set point	Set point	Set point
AHU controller	ManDriftMode	4x0001	x.xx	AV0	x.xx	AV0	x.xx	0	7	0=Auto 1=Manual stop 2=Manual low 3=Manual high 6=Manual medium 7=Calendar

Parameter	Unit	Value	Default	Min	Max	Resolution	Control	Notes
AHU controller	Set point	4x0002	x.xx	AV1	x.xx		MtrRegMode	Pressure 1=flow 2=extract slave 3=supply slave 4=external VDC setpoint 5=fan optimizer supply/extract 6=fan optimizer with extract slave 7=Green Zone 8=Green Zone slave 9=Constant speed 200 Setpoint for duct pressure, low supply [Pa] 1500 Min. supply duct flow [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)
Pressure	Set point	4x0003	x.xx	AV2	x.xx		SupDuctPaLoSet	50 Setpoint for low duct pressure, extract [Pa]
Pressure	Set point	4x0004	x.xx	AV3	x.xx		SupDuctPaHiSet	200 Setpoint for high duct pressure, extract [Pa]
Fan	Set point	4x0005	x.xx	AV4	x.xx		SupDuctMinFlow	1500 Min. extract duct flow [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)
Fan	Set point	4x0006	x.xx	AV5	x.xx		SupDuctMaxFlow	10000 Max. supply duct flow P322
Pressure	Set point	4x0007	x.xx	AV6	x.xx		ExtDuctPaLoSet	50 Setpoint for low duct pressure, extract [Pa]
Pressure	Set point	4x0008	x.xx	AV7	x.xx		ExtDuctPaHiSet	200 Setpoint for high duct pressure, extract [Pa]
Fan	Set point	4x0009	x.xx	AV8	x.xx		ExtDuctMinFlow	1500 Min. extract duct flow [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)
Fan	Set point	4x0010	x.xx	AV9	x.xx		ExtDuctMaxFlow	10000 Max. extract duct flow [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)
Fan	Set point	4x0011	x.xx	AV10	x.xx		SupLoSpeedSet	3000 Setpoint for supply flow, low speed [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)
Fan	Set point	4x0012	x.xx	AV11	x.xx		SupHiSpeedSet	7000 Setpoint for supply flow, high speed [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)
Fan	Set point	4x0014	x.xx	AV12	x.xx		ExtLoSpeedSet	3000 Setpoint for extract flow, low speed [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)
Fan	Set point	4x0015	x.xx	AV13	x.xx		ExtHiSpeedSet	7000 Setpoint for extract flow, high speed [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)
Fan	Set point	4x0017	x.xx	AV14	x.xx		MtrRegOffset	0 Supply/extract motor offset, slave and CO2 control [1/100%]
Fan	Set point	NA	NA	AV15	x.xx		MtrRegOffset	0 Supply/extract motor offset, slave and CO2 control [1/100%]
Fan	Set point	NA	NA	AV16	x.xx		MtrRegOffset	0 Supply/extract motor offset, slave and CO2 control [1/100%]
CO2 sensor	Set point	4x0020	x.xx	AV17	x.xx		CO2_UseSetLP	1000 CO2 control: setpoint for low period (high CO2 value) [ppm]
CO2 sensor	Set point	4x0021	x.xx	AV18	x.xx		CO2_UseSetHP	1000 CO2 control: setpoint for high period (high CO2 value) [ppm]
CO2 sensor	Set point	4x0022	x.xx	AV19	x.xx		CO2_MinFlow	3000 CO2 control: min. flow [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)
CO2 sensor	Set point	4x0023	x.xx	AV20	x.xx		CO2_MaxFlow	7000 CO2 control: max. flow [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)
CO2 sensor	Set point	4x0024	x.xx	AV21	x.xx		CO2_SupFlowOffs	0 CO2 control: supply flow offset [1/100%]
Alarm	Control	4x0025	x.xx	AV22	x.xx		CO2_AirLimit	2000 CO2 concentration alarm limit setpoint [ppm]
CO2 sensor	Control	4x0026	x.xx	AV23	x.xx		CO2_PB	500 CO2 control: P-band [ppm]
CO2 sensor	Control	4x0027	x.xx	AV24	x.xx		CO2_I_Time	700 CO2 control: I-time [sec]
Fan optimizer	Set point	4x0028	x.xx	AV25	x.xx		FAN_SupMinFlow	2000 Fan optimizer supply control: min. flow [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)
Fan optimizer	Set point	4x0029	x.xx	AV26	x.xx		FAN_SupMaxFlow	10000 Fan optimizer extract control: min. flow [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)
Fan optimizer	Set point	4x0030	x.xx	AV27	x.xx		FAN_ExtMinFlow	2000 Fan optimizer supply control: max. flow [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)
Fan optimizer	Set point	4x0031	x.xx	AV28	x.xx		FAN_ExtMaxFlow	10000 Fan optimizer extract control: max. flow [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)
Fan optimizer	Set point	4x0032	x.xx	AV29	x.xx		FAN_ExtFlowOffs	0 Fan optimizer extract control: flow offset [1/100%]
Fan	Control	4x0033	x.xx	AV30	x.xx		SupMtr_I_Time	50 Supply motor control: I-time setpoint [sec]
Fan	Control	4x0034	x.xx	AV31	x.xx		ExtMtr_I_Time	50 Extract motor control: I-time setpoint [sec]
Fan	Control	4x0035	x.xx	AV32	x.xx		SupFlowFireSet	8000 Supply motor speed setpoint in case of fire alarm [%]
Fan	Control	4x0036	x.xx	AV33	x.xx		ExtFlowFireSet	8000 Extract motor speed setpoint in case of fire alarm [%]
Fan	Control	4x0037	x.xx	AV34	x.xx		HS_AfterRunSet	0 Run-on time, high speed [min]
Fan	Set point	4x0040	x.xx	AV35	x.xx		FlwTmpCmpSet	2500 Reduction of flow / percentage of setpoint [1/100%]
Fan	Set point	4x0041	x.xx	AV36	x.xx		FlwTmpCmpStart	500 Reduction of flow / start temp. setpoint [1/100°C]
Fan	Set point	4x0042	x.xx	AV37	x.xx		FlwTmpCmpOpp	-2000 Reduction of flow / stop temp. setpoint [1/100°C]
Cooling, DX	Set point	4x0043	x.xx	AV211	x.xx		DXOutTempMin1	1600 Min. outdoor temperature for activating DX relay no. 1
Cooling, DX	Set point	4x0044	x.xx	AV212	x.xx		DXOutTempMin2	1600 Min. outdoor temperature for activating DX relay no. 2
Cooling, DX	Set point	4x0045	x.xx	AV213	x.xx		DXOutTempMin3	1600 Min. outdoor temperature for activating DX relay no. 3
Cooling, DX	Set point	4x0046	x.xx	AV214	x.xx		DXOutTempMin4	1600 Min. outdoor temperature for activating DX relay no. 4
AHU controller	Time	4x0050	x.xx	AV38	x.xx		TimeSw-Year	Actual year
AHU controller	Time	4x0051	x.xx	AV39	x.xx		TimeSw-Month	Actual month
AHU controller	Time	4x0052	x.xx	AV40	x.xx		TimeSw-Date	Actual date
AHU controller	Time	4x0053	x.xx	AV41	x.xx		TimeSw-Hour	Actual hour
AHU controller	Time	4x0054	x.xx	AV42	x.xx		TimeSw-Minute	Actual minutes
AHU controller	Time	4x0055	x.xx	AV43	x.xx		TimeSw-Second	Actual seconds
AHU controller	Control	4x0056	x.xx	AV44	x.xx		ExtDrfStartDay	0 Extended operation start - day (0=Mon, 6=Sun)
AHU controller	Control	4x0057	x.xx	AV45	x.xx		ExtDrfStartMin	0 Extended operation start - time (hours times 60 plus minutes)
AHU controller	Control	4x0058	x.xx	AV46	x.xx		ExtDrfStopMin	0 Extended operation stop - time (hours times 60 plus minutes)
AHU controller	Control	4x0059	x.xx	AV47	x.xx		ExtDrfStopDay	0 Extended operation stop - day (0=Mon, 6=Sun)
AHU controller	Control	4x0060	x.xx	AV48	x.xx		TimeSwDayMode	0 Timer program type (0,2)=Mon..Sun, 1=Mon..Fri-weekend, 2=all week

AHU controller	Standard	TimeSw-Start00	Min	4x0061	xxx	AV49	xxx	0	1439	480 Monday: First period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start01	Min	4x0062	xxx	AV50	xxx	0	1439	960 Tuesday: First period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start02	Min	4x0063	xxx	AV51	xxx	0	1439	360 Wednesday: First period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start03	Min	4x0064	xxx	AV52	xxx	0	1439	0 Thursday: First period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start04	Min	4x0065	xxx	AV53	xxx	0	1439	480 Friday: First period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start05	Min	4x0066	xxx	AV54	xxx	0	1439	960 Saturday: First period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start06	Min	4x0067	xxx	AV55	xxx	0	1439	360 Sunday: First period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start07	Min	4x0068	xxx	AV56	xxx	0	1439	0 Monday: Second period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start08	Min	4x0069	xxx	AV57	xxx	0	1439	480 Tuesday: Second period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start09	Min	4x0070	xxx	AV58	xxx	0	1439	960 Wednesday: Second period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start10	Min	4x0071	xxx	AV59	xxx	0	1439	360 Thursday: Second period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start11	Min	4x0072	xxx	AV60	xxx	0	1439	0 Friday: Second period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start12	Min	4x0073	xxx	AV61	xxx	0	1439	480 Saturday: Second period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start13	Min	4x0074	xxx	AV62	xxx	0	1439	960 Sunday: Second period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start14	Min	4x0075	xxx	AV63	xxx	0	1439	360 Monday: Third period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start15	Min	4x0076	xxx	AV64	xxx	0	1439	0 Tuesday: Third period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start16	Min	4x0077	xxx	AV65	xxx	0	1439	480 Wednesday: Third period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start17	Min	4x0078	xxx	AV66	xxx	0	1439	960 Thursday: Third period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start18	Min	4x0079	xxx	AV67	xxx	0	1439	360 Friday: Third period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start19	Min	4x0080	xxx	AV68	xxx	0	1439	0 Saturday: Third period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start20	Min	4x0081	xxx	AV69	xxx	0	1439	480 Sunday: Third period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start21	Min	4x0082	xxx	AV70	xxx	0	1439	960 Monday: Fourth period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start22	Min	4x0083	xxx	AV71	xxx	0	1439	360 Tuesday: Fourth period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start23	Min	4x0084	xxx	AV72	xxx	0	1439	0 Wednesday: Fourth period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start24	Min	4x0085	xxx	AV73	xxx	0	1439	480 Thursday: Fourth period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start25	Min	4x0086	xxx	AV74	xxx	0	1439	960 Friday: Fourth period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start26	Min	4x0087	xxx	AV75	xxx	0	1439	360 Saturday: Fourth period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Start27	Min	4x0088	xxx	AV76	xxx	0	1439	0 Sunday: Fourth period start time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop00	Min	4x0089	xxx	AV77	xxx	1	1440	960 Monday: First period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop01	Min	4x0090	xxx	AV78	xxx	1	1440	480 Tuesday: First period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop02	Min	4x0091	xxx	AV79	xxx	1	1440	360 Wednesday: First period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop03	Min	4x0092	xxx	AV80	xxx	1	1440	960 Thursday: First period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop04	Min	4x0093	xxx	AV81	xxx	1	1440	360 Friday: First period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop05	Min	4x0094	xxx	AV82	xxx	1	1440	1440 Saturday: First period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop06	Min	4x0095	xxx	AV83	xxx	1	1440	480 Sunday: First period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop07	Min	4x0096	xxx	AV84	xxx	1	1440	360 Monday: Second period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop08	Min	4x0097	xxx	AV85	xxx	1	1440	960 Tuesday: Second period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop09	Min	4x0098	xxx	AV86	xxx	1	1440	480 Wednesday: Second period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop10	Min	4x0099	xxx	AV87	xxx	1	1440	360 Thursday: Second period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop11	Min	4x0100	xxx	AV88	xxx	1	1440	960 Friday: Second period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop12	Min	4x0101	xxx	AV89	xxx	1	1440	480 Saturday: Second period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop13	Min	4x0102	xxx	AV90	xxx	1	1440	360 Sunday: Second period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop14	Min	4x0103	xxx	AV91	xxx	1	1440	960 Monday: Third period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop15	Min	4x0104	xxx	AV92	xxx	1	1440	480 Tuesday: Third period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop16	Min	4x0105	xxx	AV93	xxx	1	1440	360 Wednesday: Third period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop17	Min	4x0106	xxx	AV94	xxx	1	1440	960 Thursday: Third period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop18	Min	4x0107	xxx	AV95	xxx	1	1440	480 Friday: Third period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop19	Min	4x0108	xxx	AV96	xxx	1	1440	360 Saturday: Third period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop20	Min	4x0109	xxx	AV97	xxx	1	1440	960 Sunday: Third period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop21	Min	4x0110	xxx	AV98	xxx	1	1440	480 Monday: Fourth period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop22	Min	4x0111	xxx	AV99	xxx	1	1440	360 Tuesday: Fourth period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop23	Min	4x0112	xxx	AV100	xxx	1	1440	960 Wednesday: Fourth period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop24	Min	4x0113	xxx	AV101	xxx	1	1440	480 Thursday: Fourth period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop25	Min	4x0114	xxx	AV102	xxx	1	1440	360 Friday: Fourth period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop26	Min	4x0115	xxx	AV103	xxx	1	1440	960 Saturday: Fourth period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Stop27	Min	4x0116	xxx	AV104	xxx	1	1440	480 Sunday: Fourth period stop time [minutes after midnight]
AHU controller	Standard	TimeSw-Mode00	Min	4x0117	xxx	AV105	xxx	0	6	2 Monday: First period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Standard	TimeSw-Mode01	Min	4x0118	xxx	AV106	xxx	0	6	1 Tuesday: First period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Standard	TimeSw-Mode02	Min	4x0119	xxx	AV107	xxx	0	6	1 Wednesday: First period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Standard	TimeSw-Mode03	Min	4x0120	xxx	AV108	xxx	0	6	0 Thursday: First period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Standard	TimeSw-Mode04	Min	4x0121	xxx	AV109	xxx	0	6	2 Friday: First period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Standard	TimeSw-Mode05	Min	4x0122	xxx	AV110	xxx	0	6	1 Saturday: First period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Standard	TimeSw-Mode06	Min	4x0123	xxx	AV111	xxx	0	6	1 Sunday: First period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Standard	TimeSw-Mode07	Min	4x0124	xxx	AV112	xxx	0	6	0 Monday: Second period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Standard	TimeSw-Mode08	Min	4x0125	xxx	AV113	xxx	0	6	2 Tuesday: Second period operating mode: 0=OFF, 1=low speed, 2=high speed

AHU controller	Week Schedule	Standard	TimeSw-Mode09	4x0126	x.xx	AV114	x.xx	0	6	1 Wednesday: Second period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Week Schedule	Standard	TimeSw-Mode10	4x0127	x.xx	AV115	x.xx	0	6	1 Thursday: Second period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Week Schedule	Standard	TimeSw-Mode11	4x0128	x.xx	AV116	x.xx	0	6	0 Friday: Second period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Week Schedule	Standard	TimeSw-Mode12	4x0129	x.xx	AV117	x.xx	0	6	2 Saturday: Second period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Week Schedule	Standard	TimeSw-Mode13	4x0130	x.xx	AV118	x.xx	0	6	1 Sunday: Second period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Week Schedule	Standard	TimeSw-Mode14	4x0131	x.xx	AV119	x.xx	0	6	1 Monday: Third period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Week Schedule	Standard	TimeSw-Mode15	4x0132	x.xx	AV120	x.xx	0	6	0 Tuesday: Third period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Week Schedule	Standard	TimeSw-Mode16	4x0133	x.xx	AV121	x.xx	0	6	2 Wednesday: Third period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Week Schedule	Standard	TimeSw-Mode17	4x0134	x.xx	AV122	x.xx	0	6	1 Thursday: Third period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Week Schedule	Standard	TimeSw-Mode18	4x0135	x.xx	AV123	x.xx	0	6	1 Friday: Third period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Week Schedule	Standard	TimeSw-Mode19	4x0136	x.xx	AV124	x.xx	0	6	0 Saturday: Third period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Week Schedule	Standard	TimeSw-Mode20	4x0137	x.xx	AV125	x.xx	0	6	2 Sunday: Third period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Week Schedule	Standard	TimeSw-Mode21	4x0138	x.xx	AV126	x.xx	0	6	1 Monday: Fourth period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Week Schedule	Standard	TimeSw-Mode22	4x0139	x.xx	AV127	x.xx	0	6	1 Tuesday: Fourth period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Week Schedule	Standard	TimeSw-Mode23	4x0140	x.xx	AV128	x.xx	0	6	0 Wednesday: Fourth period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Week Schedule	Standard	TimeSw-Mode24	4x0141	x.xx	AV129	x.xx	0	6	2 Thursday: Fourth period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Week Schedule	Standard	TimeSw-Mode25	4x0142	x.xx	AV130	x.xx	0	6	1 Friday: Fourth period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Week Schedule	Standard	TimeSw-Mode26	4x0143	x.xx	AV131	x.xx	0	6	1 Saturday: Fourth period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Week Schedule	Standard	TimeSw-Mode27	4x0144	x.xx	AV132	x.xx	0	6	0 Sunday: Fourth period operating mode: 0=OFF, 1=low speed, 2=high speed
AHU controller	Control	Standard	TempRegMode	4x0148	x.xx	AV133	x.xx	0	3	0 0=supply, 1=Extract, 2=Room, 3=supply/extract differential
AHU controller	Set point	Standard	TempRegSet	4x0149	x.xx	AV134	x.xx	0	4000	Temperature setpoint for actual control type [1/100°C]
AHU controller	Set point	Standard	SupTempMinSet	4x0150	x.xx	AV135	x.xx	0	4000	1000 Min. limit supply temperature [1/100°C]
AHU controller	Set point	Standard	SupTempMaxSet	4x0151	x.xx	AV136	x.xx	2000	5000	3500 Max. limit supply temperature [1/100°C]
AHU controller	Set point	Standard	SupTempDiffSet	4x0152	x.xx	AV137	x.xx	100	1500	300 Only relevant when TempRegMode is 3 (supply/extract differential) (constant supply/extract - differential temperature control) [1/100°C]
AHU controller	Alarm	Standard	SupTempDiffAir	4x0156	x.xx	AV138	x.xx	200	1500	500 Alarm limit for temperature differential between supply setpoint and actual value [1/100°C]
Heating coil	Control	Standard	SupTempHeatPB	4x0157	x.xx	AV139	x.xx	200	10000	750 P-band for supply air temperature control [1/100°C]
Heat exchanger	Control	Standard	SupTempCool_IT	4x0158	x.xx	AV140	x.xx	10	30000	700 H-time for supply cooling control [sec]
Heating coil	Control	Standard	SupTempEXC_IT	4x0159	x.xx	AV141	x.xx	10	30000	120 H-time for supply heat exchanger control [sec]
Fan	Control	Standard	SupTempHeat_IT	4x0160	x.xx	AV142	x.xx	10	30000	300 H-time for supply heating control [sec]
Heater 2	Control	Standard	SupTempDnRegIt	4x0161	x.xx	AV143	x.xx	10	30000	120 H-time for supply flow reduction in case of low supply temperature [sec]
Heat pump	Control	Standard	SupTempHeat2IT	4x0162	x.xx	NA	NA	10	30000	300 H-time for supply heating2 control [sec]
Heat pump	Control	Special	SupTempHP_IT	4x0164	x.xx	NA	NA	10	30000	300 H-time for heat pump[sec]
Heating coil	Alarm	Standard	ExTTempDiffAir	4x0165	x.xx	AV144	x.xx	200	1500	500 Alarm limit for temperature differential between extract setpoint and actual value [1/100°C]
Heating coil	Control	Standard	ExTTempHeatPB	4x0166	x.xx	AV145	x.xx	200	10000	500 P-band for extract air temperature control [1/100°C]
Heat exchanger	Control	Standard	ExTTempCool_IT	4x0167	x.xx	AV146	x.xx	10	30000	1000 H-time for extract cooling control [sec]
Heating coil	Control	Standard	ExTTempEXC_IT	4x0168	x.xx	AV147	x.xx	10	30000	600 H-time for extract heat exchanger control [sec]
Fan	Control	Standard	ExTTempHeat_IT	4x0169	x.xx	AV148	x.xx	10	30000	300 H-time for extract heating control [sec]
Heater 2	Control	Standard	ExTTempDnRegIt	4x0170	x.xx	AV149	x.xx	10	30000	300 H-time for extract flow reduction in case of low supply temperature [sec]
Heat pump	Control	Standard	ExTTempHeat2IT	4x0171	x.xx	NA	NA	10	30000	600 H-time for heating 2 control [sec]
AHU controller	Control	Standard	ExTTempHP_IT	4x0173	x.xx	NA	NA	10	30000	600 H-time for heat pump control [sec]
AHU controller	Summer/Winter comp	Standard	SWTC_WintX1	4x0175	x.xx	AV150	x.xx	0	-3000	-1500 Summer/Winter temp. comp.: low outdoor temp. setpoint, winter [1/100°C]
AHU controller	Summer/Winter comp	Standard	SWTC_WintX2	4x0176	x.xx	AV151	x.xx	1000	1000	0 Summer/Winter temp. comp.: high outdoor temp. setpoint, winter [1/100°C]
AHU controller	Summer/Winter comp	Standard	SWTC_SumX1	4x0177	x.xx	AV152	x.xx	1000	3000	2000 Summer/Winter temp. comp.: low outdoor temp. setpoint, summer [1/100°C]
AHU controller	Summer/Winter comp	Standard	SWTC_SumX2	4x0178	x.xx	AV153	x.xx	2000	4000	3000 Summer/Winter temp. comp.: high outdoor temp. setpoint, summer [1/100°C]
AHU controller	Summer/Winter comp	Standard	SWTCWinComVal	4x0179	x.xx	AV154	x.xx	0	1000	500 Summer/Winter temp. comp.: winter compensation [1/100°C]
AHU controller	Summer/Winter comp	Standard	SWTCsumComVal	4x0180	x.xx	AV155	x.xx	-1000	1000	-500 Summer/Winter temp. comp.: summer compensation [1/100°C]
AHU controller	Summer/Winter comp	Standard	SW_Mode	4x0185	x.xx	AV156	x.xx	0	4	0=OFF (no summer/winter changeover) 1=Changeover determined by outdoor temperature 2=Changeover determined by date 3=Manual summer 4=Manual winter

AHU controller	Standard	Summer/Winter comp	SW_OutWinterON	°C	4x0186	x.xx	AV157	x.xx	-3000	4000	0	Outdoor temperature for start of winter operation (SW_Mode = 1) [1/100°C]
AHU controller	Standard	Summer/Winter comp	SW_OutSummerON	°C	4x0187	x.xx	AV158	x.xx	-3000	4000	2000	Outdoor temperature for start of summer operation (SW_Mode = 1) [1/100°C]
AHU controller	Standard	Summer/Winter comp	SW_MonthWinterON	°C	4x0188	x.xx	AV159	x.xx	7	12	11	Month for start of winter operation (SW_Mode = 2)
AHU controller	Standard	Summer/Winter comp	SW_DateWinterON	°C	4x0189	x.xx	AV160	x.xx	1	31	1	Date for start of winter operation (SW_Mode = 2)
AHU controller	Standard	Summer/Winter comp	SW_MonthSummerON	°C	4x0190	x.xx	AV161	x.xx	1	6	5	Month for start of summer operation (SW_Mode = 2)
AHU controller	Standard	Summer/Winter comp	SW_DateSummerON	°C	4x0191	x.xx	AV162	x.xx	1	31	1	Date for start of summer operation (SW_Mode = 2)
Damper, Recirculation	Standard	Set point	RecircStartTemp	°C	4x0195	x.xx	AV163	x.xx	500	4000	1900	Startup temperature for recirculation [1/100 °C]
Damper, Recirculation	Standard	Set point	RecircStopTemp	°C	4x0196	x.xx	AV164	x.xx	500	4000	2100	Stop temperature for recirculation [1/100 °C]
AHU controller	Standard	Fire	SupTempFireAir	°C	4x0200	x.xx	AV165	x.xx	5000	4000	8000	Setpoint for internal fire alarm in supply duct [1/100°C]
AHU controller	Standard	Fire	ExtTempFireAir	°C	4x0201	x.xx	AV166	x.xx	3500	12000	7000	Setpoint for internal fire alarm in extract duct [1/100°C]
Cooling coil	Standard	Control	CoolFWForcePc	%	4x0205	x.xx	AV167	x.xx	0	10000	2500	Increase in fan speed when cooling is active [%]
Cooling coil	Standard	Control	CoolOutTempMin	°C	4x0206	x.xx	AV168	x.xx	0	3000	1500	Min. outdoor temperature for start of cooling
Cooling coil	Standard	Control	CoolSupMinTemp	°C	4x0207	x.xx	AV169	x.xx	0	2500	1200	Min. supply temperature when cooling is active (only with room temp. control)
AHU controller	Standard	Summer, Night Cooling	SN_ExtTempStart	°C	4x0210	x.xx	AV170	x.xx	1500	4000	2300	Summer night extract/room temp. start [1/100°C]
AHU controller	Standard	Summer, Night Cooling	SN_ExtTempStop	°C	4x0211	x.xx	AV171	x.xx	1000	3000	2000	Summer night extract/room temp. stop [1/100°C]
AHU controller	Standard	Summer, Night Cooling	SN_OutTempStart	°C	4x0212	x.xx	AV172	x.xx	500	2000	1200	Summer night outdoor temp. start [1/100°C]
AHU controller	Standard	Summer, Night Cooling	SN_SupTempStart	°C	4x0213	x.xx	AV173	x.xx	500	2000	1000	Summer night supply temp. control setpoint [1/100°C]
AHU controller	Standard	Summer, Night Cooling	SN_StartTime	Min	4x0214	x.xx	AV174	x.xx	0	1439	1380	Summer night start [min]
AHU controller	Standard	Summer, Night Cooling	SN_StopTime	Min	4x0215	x.xx	AV175	x.xx	0	1439	360	Summer night stop [min]
Heat exchanger	Special	Control	CExdDeIceTemp	°C	4x0220	x.xx	AV176	x.xx	-500	2000	500	Min. exhaust temp setpoint for cross-flow heat exchanger [1/100°C]
Heat exchanger	Special	Control	CExdDeIceTemp	°C	4x0221	x.xx	AV177	x.xx	200	2000	500	Min. P-band for bypass control of cross-flow heat exchanger [1/100°C]
Heat exchanger	Special	Control	CExdDeIcePress	Pa	4x0222	x.xx	NA	NA	10	5000	30	Setpoint for pressure drop across cross-flow exchanger for start of de-icing [Pa]
Heat exchanger	Special	Control	CExdDeIceTime	Sec	4x0223	x.xx	NA	NA	180	1800	300	Setpoint for duration of heat exchanger de-icing [sec]
Heat exchanger	Standard	Control	BattEXC_PumpFc		4x0225	x.xx	AV178	x.xx	0	3	1	0 -> Pump runs constantly 1 -> Pump runs if heat recovery demand is > 0 (AutoMode) 2 -> Pump runs if outdoor temp. is < temp. setpoint for pump start
Heat exchanger	Standard	Control	BattEXC_PumpSt	°C	4x0226	x.xx	AV179	x.xx	0	4000	1500	ONLY used if CoilEXC_PumpFunc (Address 224) = 2. Pump runs if outdoor temp. is < temp. setpoint for pump start
Heat exchanger	Standard	Alarm	BattEXC_AirSet	°C	4x0227	x.xx	AV180	x.xx	-1000	2000	800	differential alarm setpoint for heat exchanger coil Alarm activated if temperature differential (in relation to outdoor temp.) downstream from heat exchanger coil operating at 50% power (or more) is lower than the alarm setpoint
Humidity	Standard	Set point	Humid_SupSet	%	4x0228	x.xx	NA	NA	0	10000	2000	Humidity setpoint for selected control type (supply/exhaust) [1/100%] RH
Heating coil 1, Water	Standard	Set point	HW1UpStartPow	%	4x0230	x.xx	AV181	x.xx	0	10000	5000	Heating coil: Startup power setpoint [1/100%]
Heating coil 1, Water	Standard	Control	HW1PumpFunc		4x0231	x.xx	AV182	x.xx	0	3	1	0 -> Pump runs constantly 1 -> Pump runs if heat demand is > 0 (AutoMode) 2 -> Pump runs if outdoor temp. > temp. setpoint for pump start
Heating coil 1, Water	Standard	Set point	HW1PmpStartTemp	°C	4x0232	x.xx	AV183	x.xx	500	3000	1500	ONLY used if HW_PumpFunc (Address 230) = 2 Temp. setpoint for circulation pump on heating coil
Heating coil 1, Water	Standard	Set point	HW1FrzStopSet	°C	4x0233	x.xx	AV184	x.xx	500	4000	2500	Pump runs if outdoor temp. is < temp. setpoint for pump start
Heating coil 1, Water	Standard	Control	HW1FrzDriftSet	°C	4x0234	x.xx	AV185	x.xx	200	2000	500	Setpoint for frost protection control when unit is in STOP mode [1/100°C]
Heating coil 1, Water	Standard	Control	HW1FreezePB	°C	4x0235	x.xx	AV186	x.xx	200	2000	500	Setpoint for frost protection control when unit is in OPERATING mode [1/100°C]
Heating coil 1, Water	Standard	Set point	HW1FrzAirTpSet	°C	4x0236	x.xx	AV187	x.xx	200	2000	200	Setpoint for frost protection temp. alarm [1/100°C] Heating coil 1
Heating coil 1, Water	Standard	Set point	HW1PmpStartPrc	%	4x0237	x.xx	NA	NA	0	10000	300	Start circulation pump with %-open valve [1/100%] ONLY used if HW1_PumpFunc (Address 230) = 1 The pump starts when the value is exceeded.
Cooling coil	Standard	Control	CW_PumpFunc		4x0240	x.xx	AV188	x.xx	0	3	0	0 -> Pump runs constantly 1 -> Pump runs if cooling power is > 0 (AutoMode) 2 -> Pump runs if outdoor temp. > temp. setpoint for pump start
Cooling coil	Standard	Set point	CW_PmpStartTemp	°C	4x0241	x.xx	AV189	x.xx	500	4000	2100	ONLY used if CW_PumpFunc (Address 239) = 2 Temp. setpoint for start of cooling coil pump
GreenZone	Standard	Set point	FanOptSupExtIn	%	4x0242	x.xx	AV223	x.xx	0	10000	External signal GreenZone, supply [1/100%]	
GreenZone	Standard	Set point	FanOptExExtIn	%	4x0243	x.xx	AV224	x.xx	0	10000	External signal GreenZone, exhaust [1/100%]	
Filter	Alarm	Alarm	FillSupStAir	Pa	4x0245	x.xx	AV190	x.xx	10	5000	80	Alarm limit for pressure drop across intake filter (static mode)
Filter	Alarm	Alarm	FillExStAir	Pa	4x0246	x.xx	AV191	x.xx	10	5000	80	Alarm limit for pressure drop across exhaust filter (static mode)
Filter	Alarm	Alarm	FillSupDynAir	%	4x0247	x.xx	AV192	x.xx	1000	10000	5000	Alarm limit for pressure drop across intake filter (dynamic mode)
Filter	Alarm	Alarm	FillExDynAir	%	4x0248	x.xx	AV193	x.xx	1000	10000	5000	Alarm limit for pressure drop across exhaust filter (dynamic mode)
Filter	Alarm	Alarm	FillSup2SteAir	Pa	4x0249	4.18	AV258	4.18	10	500	80	Filter Pressure Air Limit for SupFilter2 (static mode)
AHU controller	Standard	Alarm	Air_MailSetup		4x0250	x.xx	AV194	x.xx	0	3	0	0 -> Emails not sent 1 -> Emails sent for A-alarms 2 -> Emails sent for B-alarms 3 -> Emails sent for A and B-alarms

Function	Parameter	Unit	Min	Max	Default	Control	Setpoint	Standard
Heat exchanger	BattEXCFzDF	°C	-1000	2000	AV220	xxx	xxx	Standard
	BattEXCFzPB	°C	200	2000	AV221	xxx	xxx	Standard
	BattEXCFzASz	°C	-1000	2000	AV222	xxx	xxx	Standard
	CombIBattTemp	°C	0	4000	NA	xxx	xxx	Standard
Heating coil, Water	HW12_VDCOutUnc	Control	0	1	AV225	xxx	xxx	Special
	HW12_VDCOut	mV	0	10000	NA	xxx	xxx	Special
	H2Lmt1Typ	°C	0	2	AV229	xxx	xxx	Special
	H2SLmtTemp	°C	-500	0	AV230	xxx	xxx	Special
	H2SLmtRPer	%	1000	10000	AV231	xxx	xxx	Special
	H2SLmtOTemp	°C	-2000	2000	AV232	xxx	xxx	Special
	H2SetDelTime	Sec	0	7200	AV234	xxx	xxx	Special
	H2FlowOffset	°C	-5000	0	AV233	xxx	xxx	Special
	NO_CSbopRTemp	%	0	3000	AV228	xxx	xxx	Special
	REXDelcPac	°C	3000	10000	AV226	xxx	xxx	Special
	NO_FairCoolBk	°C	-4000	2000	AV227	xxx	xxx	Special
	DehumSet_RH	%	1000	10000	AV250	xxx	xxx	Standard
	RecFlowShHt	%	0	2	AV235	xxx	xxx	Special
	RecCloSDlTemp	°C	-1000	2000	AV236	xxx	xxx	Special
	REXAHLPrCzFz	%	0	20000	NA	xxx	xxx	Special
REXAHLPrCzDus	%	0	10000	NA	xxx	xxx	Special	
ROHRIsetT100	Sec	120	7200	NA	xxx	xxx	Special	
SNSupCoolFw	l/s	0	32000	AV237	xxx	xxx	Special	
SNExtCoolFw	l/s	0	32000	AV238	xxx	xxx	Standard	
SNSupCoolPa	Pa	0	5000	AV239	xxx	xxx	Standard	
SNExtCoolPa	Pa	0	5000	AV240	xxx	xxx	Standard	
SNSupCoolPrc	%	0	10000	AV241	xxx	xxx	Standard	
SNExtCoolPrc	%	0	10000	AV242	xxx	xxx	Standard	
SNSvOfsPrc	%	-5000	0	AV243	xxx	xxx	Standard	
CO2_MaxMedRec	ppm	0	10000	AV248	xxx	xxx	Special	
CO2_MinMotRec	ppm	0	10000	AV249	xxx	xxx	Special	
Fan	SupMedSpeedSet	l/s	0	30000	AV251	xxx	xxx	Standard
	ExtMedSpeedSet	l/s	0	30000	AV254	xxx	xxx	Standard
Pressure	SupDuctPalMeSet	Pa	0	5000	AV252	xxx	xxx	Standard
	SupFxlMePrCzSet	Pa	100	10000	AV253	xxx	xxx	Standard
	ExtDuctPalMeSet	Pa	0	5000	AV255	xxx	xxx	Standard
Pressure	CO2_UseSetMP	ppm	0	10000	AV256	xxx	xxx	Standard
	RecMinFresh	%	0	10000	AV257	xxx	xxx	Standard
Filler	FillEX2SraAir	Pa	4.18	10	AV259	4.18	4.18	Standard
	FillSup2DyprAir	%	1000	10000	AV260	4.18	4.18	Standard
Filler	FillEX2DyprAir	%	1000	10000	AV261	4.18	4.18	Standard
	ZM1_RoomTmpSet	°C	-4000	10000	AV262	4.19	4.19	Standard
Zone 1	ZM1_MinSupTemp	°C	-4000	10000	AV263	4.19	4.19	Standard
Zone 1	ZM1_MaxSupTemp	°C	-4000	10000	AV264	4.19	4.19	Standard
Zone 1	ZM1_CO2Set	ppm	0	5000	AV265	4.19	4.19	Standard
Zone 1	ZM1_RHSet	%	0	10000	AV266	4.19	4.19	Standard
Zone 1	ZM1_PIRMinFlow	l/s	0	0	AV267	4.19	4.19	Standard
Zone 2	ZM2_RoomTmpSet	°C	-4000	10000	AV268	4.19	4.19	Standard
Zone 2	ZM2_MinSupTemp	°C	-4000	10000	AV269	4.19	4.19	Standard
Zone 2	ZM2_MaxSupTemp	°C	-4000	10000	AV270	4.19	4.19	Standard
Zone 2	ZM2_CO2Set	ppm	0	5000	AV271	4.19	4.19	Standard
Zone 2	ZM2_RHSet	%	0	10000	AV272	4.19	4.19	Standard
Zone 2	ZM2_PIRMinFlow	l/s	0	0	AV273	4.19	4.19	Standard
Zone 3	ZM3_RoomTmpSet	°C	-4000	10000	AV274	4.19	4.19	Standard
Zone 3	ZM3_MinSupTemp	°C	-4000	10000	AV275	4.19	4.19	Standard
Zone 3	ZM3_MaxSupTemp	°C	-4000	10000	AV276	4.19	4.19	Standard
Zone 3	ZM3_CO2Set	ppm	0	5000	AV277	4.19	4.19	Standard
Zone 3	ZM3_RHSet	%	0	10000	AV278	4.19	4.19	Standard
Zone 3	ZM3_PIRMinFlow	l/s	0	0	AV279	4.19	4.19	Standard
Zone 4	ZM4_RoomTmpSet	°C	-4000	10000	AV280	4.19	4.19	Standard
Zone 4	ZM4_MinSupTemp	°C	-4000	10000	AV281	4.19	4.19	Standard
Zone 4	ZM4_MaxSupTemp	°C	-4000	10000	AV282	4.19	4.19	Standard
Zone 4	ZM4_CO2Set	ppm	0	5000	AV283	4.19	4.19	Standard
Zone 4	ZM4_RHSet	%	0	10000	AV284	4.19	4.19	Standard
Zone 4	ZM4_PIRMinFlow	l/s	0	0	AV285	4.19	4.19	Standard
Heat exchanger	500 Fluid-coupled coil - Setpoint for frost protection control when unit is in OPERATING mode [1/100°C]							
	500 Fluid-coupled coil - P-band for frost protection control [1/100°C]							
	200 Fluid-coupled coil - Setpoint for frost protection temperature alarm [1/100°C]							
	Combi coil - Actual return temperature [1/100°C]							
	0 Only special customer code: Heat coil 1, step2 output (Out 1,2): Valve actuator type 0->0-10V, 1->2-10V							
	0 Only special customer code: Heat coil 1, step2 output (1,2) VDC out							
	0 Only special customer code: Heat2 limiting type 1Room, 2 Outdoor							
	-200 Only special customer code: Start difference temperature [1/100°C]							
	2000 Only special customer code: Stepsize limiting roomtemp [1/100°C]							
	-3600 Only special customer code: Blocking of Heat2 Outdoortemp [1/100°C]							
	5000 Only special customer code: Timeset delayed Heat 2 [Sec]							
	2300 Only special customer code: in % of Flow if Heat2 is on [1/100°C]							
	5000 Only special customer code: Stop cooling over roomtemperature [1/100°C]							
	1000 Only special customer code: Pressure percent over calibration							
	7000 Set point %RH deminification [1/100%]							
0 Only special customer code: Set Change Airflow Rectice								
0 Only special customer code: Temperature for start with open damper [1/100°C]								
1200 Only special customer code: Alarmlevel in percent, if frozen [1/100%]								
2000 Only special customer code: Alarmlevel in percent, if dusty[1/100%]								
3600 Only special customer code: Risetme 0..100%, in sec [Sec]								
3600 Only special customer code: Timeset for CO2 DX-Cooling-Aggregate from 0..100% [Sec]								
2000 Setpoint supply air volume sommernight cooling								
2000 Setpoint extract air volume sommernight cooling [m3/h]								
50 Setpoint supply air pressure sommernight cooling [Pa]								
50 Setpoint extract air pressure sommernight cooling [Pa]								
2000 Setpoint supply air constant speed sommernight cooling [1/100%]								
2000 Setpoint extract air constant speed sommernight cooling [1/100%]								
0 Sommernight cooling slave offset [1/100%]								
1000 Only special customer code: Max CO2 (Store mode) [ppm]								
1000 Only special customer code: Min CO2 (Store mode) [ppm]								
5000 Setpoint supply air flow - medium speed [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)								
5000 Setpoint exhaust air flow - medium speed [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)								
120 Setpoint supply air duct pressure medium speed [Pa]								
3500 Supply Motor Mediumspeed [1/100%], Fixed Fan Speed								
120 Setpoint exhaust air duct pressure medium speed [Pa]								
1000 CO2 controller setpoint medium speed (Hl CO2 Val) [ppm]								
1000 Setpoint minimum fresh air, Only if modulated recirculation is selected [1/100%]								
80 Filler Pressure Air Limit for SupFiller2 (static mode)								
5000 Filler Pressure Air Limit for SupFiller (dynamic mode)								
5000 Filler Pressure Air Limit for ExFiller (dynamic mode)								
ZoneModule 1 - Room Temperature Setpoint								
ZoneModule 1 - Minimum Supply Temperature								
ZoneModule 1 - Maximum Supply Temperature								
ZoneModule 1 - Room CO2 Setpoint								
ZoneModule 1 - Room RH Setpoint								
ZoneModule 1 - VAV Supply PIR Min Air Flow								
ZoneModule 2 - Room Temperature Setpoint								
ZoneModule 2 - Minimum Supply Temperature								
ZoneModule 2 - Maximum Supply Temperature								
ZoneModule 2 - Room CO2 Setpoint								
ZoneModule 2 - Room RH Setpoint								
ZoneModule 2 - VAV Supply PIR Min Air Flow								
ZoneModule 3 - Room Temperature Setpoint								
ZoneModule 3 - Minimum Supply Temperature								
ZoneModule 3 - Maximum Supply Temperature								
ZoneModule 3 - Room CO2 Setpoint								
ZoneModule 3 - Room RH Setpoint								
ZoneModule 3 - VAV Supply PIR Min Air Flow								
ZoneModule 4 - Room Temperature Setpoint								
ZoneModule 4 - Minimum Supply Temperature								
ZoneModule 4 - Maximum Supply Temperature								
ZoneModule 4 - Room CO2 Setpoint								
ZoneModule 4 - Room RH Setpoint								
ZoneModule 4 - VAV Supply PIR Min Air Flow								

AHU controller	Control	Standard	BMSDfChlReg	4x0500	x.xx	AV244	x.xx	0	1000	11 = BMS stop 105 = BMS low speed 210 = BMS high speed 211 = BMS sommernight cooling 220 = BMS night heating mode (Recirculation) 414 = BMS medium speed BMS-modes only available after activation of physical input "Operating mode via BMS" BMS outdoor temperatur [1/100°C] BMS room temperatur [1/100°C]
Temp. out door	Current value	Standard	MBT_OutDoor	4x0501	x.xx	AV245	x.xx	-6000	6000	
Temp. room	Current value	Standard	MBT_Room1	4x0502	x.xx	AV246	x.xx	-4000	4000	