MODBUS / BACNET

0666576

Information

EN

OJ Air2 Master Controller
RJ12 Modbus/RTU connection

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

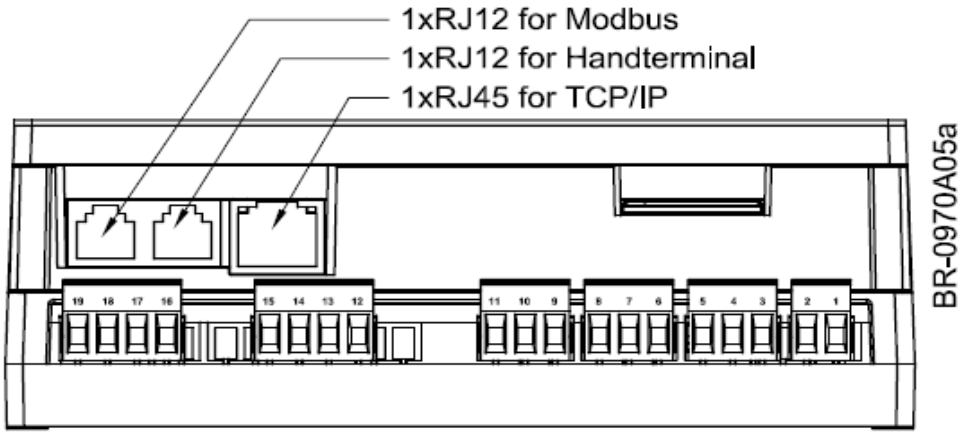


Fig. 2 Configuration for communication via external Modbus

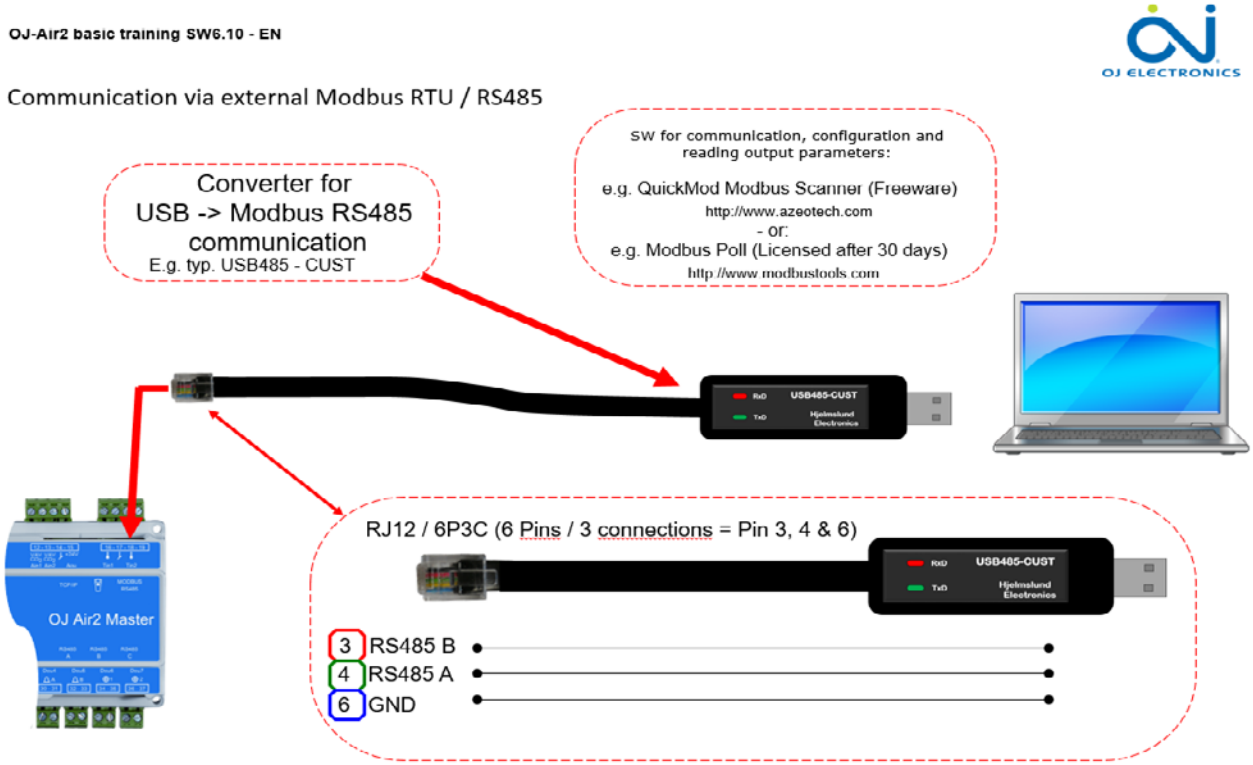
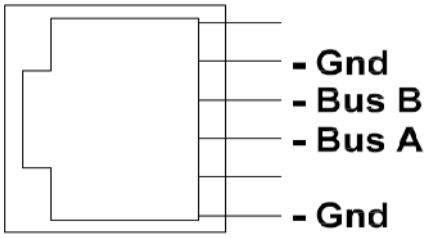


Fig. 3 Modbus RS485 - RJ12 socket



Modbus RTU/TCP

OJ Air2, Program version 6.30 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

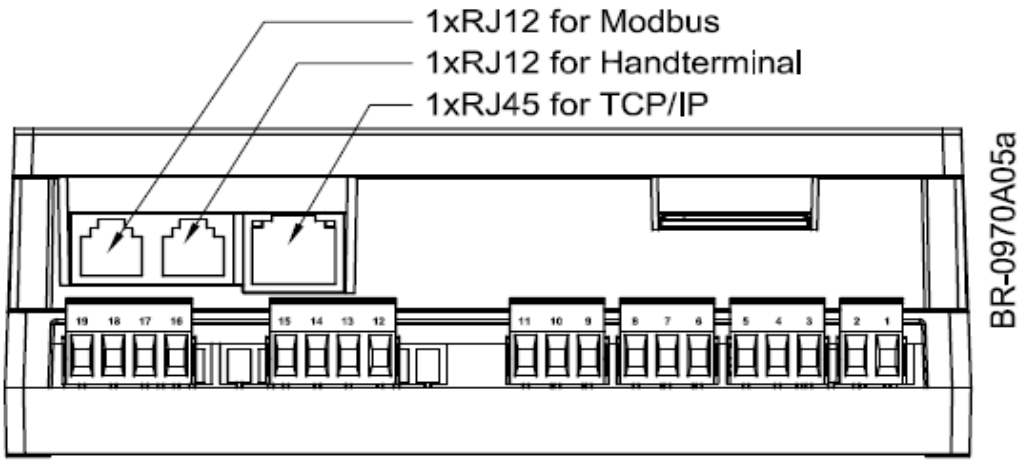
R = Read Only
R/W = Read / Write

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 Indentifier:

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)

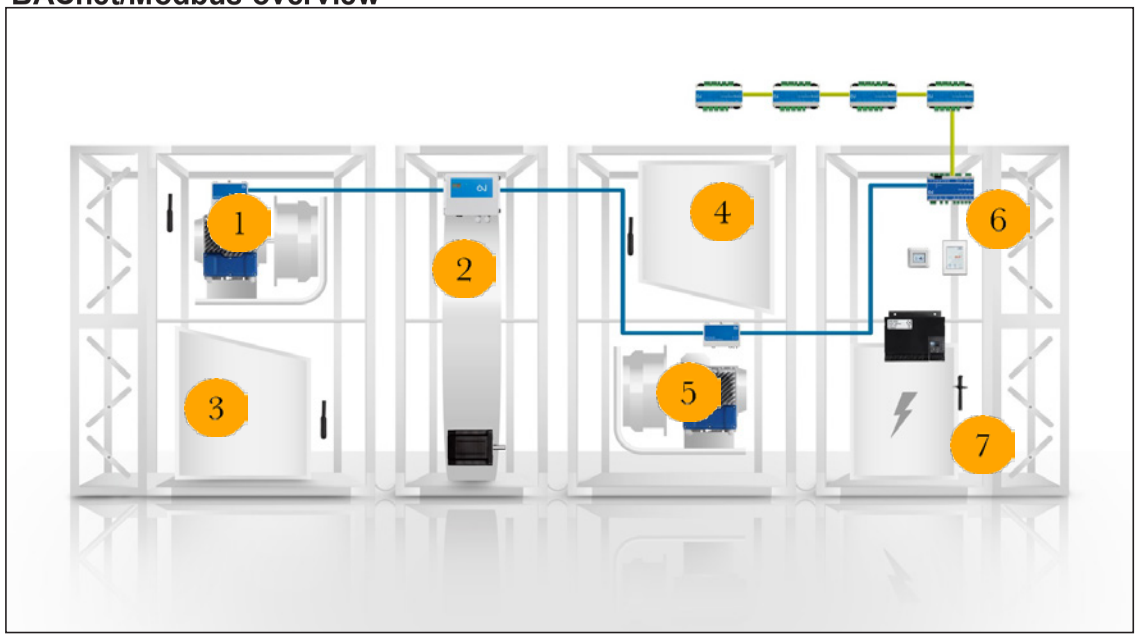
BACnet Interoperability Building Blocks Supported

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, Aplication_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
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 (AutoReturn to zero)	BV 0	0x0001

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

		BacNet	Modbus
1	Actual exhaust temp. [1/100°C]	AI 22	3x0026
	Actual extract flow [l/s]	AI 7	3x0009
	Extract motor output percentage [1/100%]	AI 60	3x0083
	Setpoint for extract flow, low speed [l/s]	AV 12	4x0014
	Setpoint for extract flow, medium speed [l/s]	AV 254	4x0321
	Setpoint for extract flow, high speed [l/s]	AV 13	4x0015
2	Rot. heat exchanger – output percent. [%]	AI 73	3x0097
3	Actual outdoor temp. [1/100°C]	AI 20	3x0024
	Inlet filter pressure [Pa]	AI 27	3x0031
	Inlet filter monitor max. alarm limit [Pa]	AI 31	3x0039
4	Extract filter pressure [Pa]	AI 28	3x0032
	Max. alarm limit, extract filter pressure drop [Pa]	AI 32	3x0040
5	Actual inlet flow [l/s]	AI 5	3x0007
	Inlet motor output percentage [1/100%]	AI 51	3x0073
	Setpoint for inlet flow, low speed [l/s]	AV 10	4x0011
	Setpoint for inlet flow, medium speed [l/s]	AV 251	4x0320
	Setpoint for inlet flow, high speed [l/s]	AV 11	4x0012
6	Actual room temperature [1/100 °C]	AI 21	3x0025
	Actual extract duct pressure [Pa]	AI 3	3x0005
	Setpoint for duct pressure, extract, low speed [Pa]	AV 6	4x0007
	Setpoint for duct pressure, extract, medium speed [Pa]	AV 255	4x0323
	Setpoint for duct pressure, extract, high speed [Pa]	AV 7	4x0008
7	Actual inlet temperature [1/100°C]	AI 16	3x0020
	Control type setting	AV 133	4x0148
	Temperature setpoint for actual control type	AV 134	4x0149
	Min. limit, inlet temp. [1/100°C]	AV 135	4x0150
	Max. limit, inlet temp. [1/100°C]	AV 136	4x0151
	Actual heating power [1/100%]	AI 36	3x0054
	Heating relay 1	BI 26	1x0031
	Act. heating bat. temp.[1/100°C]	AI 26	3x0030
	Actual cooling power [1/100%]	AI 38	3x0056
	Actual inlet duct pressure [Pa]	AI 1	3x0003
	Setpoint for duct pressure, inlet, low speed [Pa]	AV 2	4x0003
	Setpoint for duct pressure, inlet, medium speed [Pa]	AV 252	4x0322
	Setpoint for duct pressure, inlet, high speed [Pa]	AV 3	4x0004

Component	Function	Standard/ Special	Name	SI Unit	Modbus register	SW vers.	BacNet parameter	SW vers.	Min	Max	Factory settings	English
1. Info	1. Info	1. Info	1. Info		Coil status (R/W)		Binary value (R/W)					
AHU controller	Alarm	Standard	Alr_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	FlwTmpCmpFunc		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	ExtDrfHiPeriod		0x0009	x.xx	BV8	x.xx	0	1	0	Input for forced high speed
Fan	Speed	Standard	ExtDrfPeriodON		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 ratation direction to counter clock wise (CCW)
Fan	Speed	Standard	ExtDrfMePeriod		0x0012	x.xx	NA	NA	0	1	0	Input for forced medium speed
Pressure	Calibration	Standard	ManZeroCali		0x0020	x.xx	BV10	4.18	0	1	0	Start manual zero calibration (can be used together with automatic zero calibration) Is automatically reset to zero (OFF) once calibration has been completed
Pressure	Calibration	Standard	AutoZeroCali		0x0021	x.xx	BV11	4.18	0	1	0	Automatic zero calibration: ON/OFF
Filter	Alarm	Standard	FiltDynAlrFunc		0x0022	x.xx	BV12	x.xx	0	1	0	Dynamic filter alarm --> ON/OFF OFF --> static alarm limit (constant) ON --> dynamic alarm limit (limit based on flow)
Filter	Calibration	Standard	FiltCalibrate		0x0023	x.xx	BV13	x.xx	0	1	0	Start filter calibration. Is automatically reset to zero (OFF) once calibration has been completed. NOTE! ONLY IF "DYNAMIC MODE" IS SET
Filter		Standard	FiltCaliDone		0x0024	x.xx	BV14	4.18	0	1	0	Filter calibration completed (valid filter data) NOTE! ONLY IF "DYNAMIC MODE" IS SET
Combi coil	Control	Standard	CmbEnCtrlMB		0x0025	x.xx	BV21	6.20	0	1	0	Enable combi coil for control via external Modbus [1=Modbus/0=Dig. input]
Combi coil	Control	Standard	CmbEnHeatMB		0x0026	x.xx	BV17	x.xx	0	1	1	Hot water supply is available for the combi coil
Combi coil	Control	Standard	CmbEnCoolMB		0x0027	x.xx	BV18	x.xx	0	1	1	Cold water supply is available for the combi coil
Temp. Out door	Control	Standard	MBTOutDAct		0x0028	x.xx	BV15	x.xx	0	1	0	Activate outdoor temperature from BMS
Temp. Room	Control	Standard	MBTRoom1Activ		0x0029	x.xx	BV16	x.xx	0	1	0	Activate room temperature from BMS
Damper, Recirculation	Recirculation heat	Standard	MBForceRecirc		0x0030	4.18	BV19	4.18	0	1	0	Force recirc via Ext. Modbus
Damper, Recirculation	Recirculation heat	Standard	MBEnblForceRec		0x0031	4.18	BV20	4.18	0	1	0	Enable Modbus Force recirc signal
1. Info	1. Info	1. Info	1. Info		Input status (R)		Binary input (R)	1. Info	1. Info	1. Info	1. Info	
AHU controller	Speed	Standard	Operation		1x0001	x.xx	BI0	x.xx	0	1		Operation ON/OFF
AHU controller	Speed	Standard	ExtStop		1x0002	x.xx	BI1	x.xx	0	1		External stop
AHU controller	Speed	Standard	ExtHiSpeed		1x0003	x.xx	BI2	x.xx	0	1		Externalhigh speed
AHU controller	Speed	Standard	ExtDrfLoSpeed		1x0004	x.xx	BI3	x.xx	0	1		Extended low speed --> Active
AHU controller	Speed	Standard	ExtDrfHiSpeed		1x0005	x.xx	BI4	x.xx	0	1		Extended high speed --> Active
AHU controller	Fire	Standard	ExtBrandStop		1x0006	x.xx	BI78	x.xx	0	1		Status Brandstop input
Fan	Speed	Standard	ExtDrfMeSpeed		1x0007	x.xx	BI225	x.xx	0	1		Extended medium speed --> Active
Heating coil, Electric	Status	Standard	ElBattPowerRed		1x0010	x.xx	BI5	x.xx	0	1		Power to electric heating coil reduced due to low flow
AHU controller	Summer Night Cooling	Standard	SN_Drift		1x0011	x.xx	BI6	x.xx	0	1		Summer night cooling is active
AHU controller	Summer Night Cooling	Standard	SN_Reset		1x0012	x.xx	BI7	x.xx	0	1		Reset parameters for summer night cooling (new calculation is initiated)
AHU controller	Summer/Winter comp.	Standard	SWTC_WintComp		1x0013	x.xx	BI8	x.xx	0	1		Winter temperature compensation is active
AHU controller	Summer/Winter comp.	Standard	SWTC_SumComp		1x0014	x.xx	BI9	x.xx	0	1		Summer temperature compensation is active
AHU controller	Summer/Winter comp.	Standard	SW_Status		1x0015	x.xx	BI10	x.xx	0	1		Summer/winter actual status OFF --> winter operation ("0") ON --> summer operation ("1")
Damper, Recirculation	Recirculation heat	Standard	RecircStatus		1x0016	x.xx	BI11	x.xx	0	1		Recirculation status
Heat exchanger	Speed	Standard	EXC_Exercise		1x0017	x.xx	BI12	x.xx	0	1		Exercising heat exchanger --> Active
Heat exchanger	Status	Standard	CExclceProtect		1x0018	x.xx	BI13	x.xx	0	1		Signal to cross-flow exchanger reduced (frost protection)
Fan	Status	Standard	SupDuctMinFlow		1x0019	x.xx	BI14	x.xx	0	1		Supply duct pressure controller reduced to min. flow
Fan	Status	Standard	SupDuctMaxFlow		1x0020	x.xx	BI15	x.xx	0	1		Supply duct pressure controller increased to max. flow
Fan	Status	Standard	ExtDuctMinFlow		1x0021	x.xx	BI16	x.xx	0	1		Extract duct pressure controller reduced to min. flow
Fan	Status	Standard	ExtDuctMaxFlow		1x0022	x.xx	BI17	x.xx	0	1		Extract duct pressure controller increased to max. flow
Heat exchanger	Status	Standard	CoolRecovery		1x0023	x.xx	BI18	x.xx	0	1		Cooling recovery --> status
Heating coil 1, Water	Status	Standard	HW1FrostReg		1x0024	x.xx	BI19	x.xx	0	1		Circulation pump on heating coil: Frost protection --> Active
Heating coil 1, Water	Status	Standard	HW1PumpExer		1x0025	x.xx	BI20	x.xx	0	1		Circulation pump on heating coil: Pump exercising --> Active
Cooling coil	Status	Standard	CW_PumpExer		1x0026	4.18	BI21	4.18				CoolWaterCoil PumpExercise active
Heating coil 1, Electric	Status	Standard	Heat_FlwDnReg		1x0027	x.xx	BI22	x.xx	0	1		Signal to heating coil reduced (insufficient flow) --> Active
AHU controller	Status	Standard	TempRegMinSup		1x0028	x.xx	BI23	x.xx	0	1		"1" when min. supply temperature control is active. Only active when TempRegMode is 1 or 2 (room temp. control)
AHU controller	Status	Standard	TempRegMaxSup		1x0029	x.xx	BI24	x.xx	0	1		"1" when max. supply temperature control is active. Only active when TempRegMode is 1 or 2 (room temp. control)
Heat exchanger	Status	Standard	BattEXC_Exer		1x0030	x.xx	BI25	x.xx	0	1		Circulation pump on heat recovery coil: Pump exercising --> Active
Heating coil 1	Status	Standard	Heat_RE1		1x0031	x.xx	BI26	x.xx	0	1		Heating relay 1
Cooling coil	Status	Standard	Cool_RE1		1x0032	x.xx	BI27	x.xx	0	1		Cooling relay 1
Heat exchanger	Status	Standard	BattEXC_PumpRE		1x0033	x.xx	BI28	x.xx	0	1		Circulation pump on heat recovery coil: Pump --> Running
AHU controller	Alarm	Standard	AlrActive		1x0034	x.xx	BI29	x.xx	0	1		At least one active alarm
AHU controller	Alarm	Standard	Alr_RE1		1x0035	x.xx	BI30	x.xx	0	1		Alarm relay 1 (A-alarm)
AHU controller	Alarm	Standard	Alr_RE2		1x0036	x.xx	BI31	x.xx	0	1		Alarm relay 2 (B-alarm)
AHU controller	Fire	Standard	Alr_FireSignal		1x0037	x.xx	BI32	x.xx	0	1		Fire alarm signal (room sensor)
AHU controller	Smoke	Standard	Alr_SmokeSig		1x0038	x.xx	BI33	x.xx	0	1		Smoke/fire alarm signal (duct sensor)
Heating coil, Electric	Alarm	Standard	EL1_OverHtBac		1x0039	x.xx	BI219	x.xx	0	1		Electric coil: High temperature alarm signal
Heating coil, Electric	Alarm	Standard	AlrElBattCont		1x0040	x.xx	BI220	x.xx	0	1		Electric coil: Relay stuck
Filter	Alarm	Standard	FiltSupAlarm		1x0041	x.xx	BI35	x.xx	0	1		Filter alarm for supply filter (pressure drop above set limit)
Filter	Alarm	Standard	FiltExtAlarm		1x0042	x.xx	BI36	x.xx	0	1		Filter alarm for extract filter (pressure drop above set limit)
Heat exchanger	Status	Special	CExcDelcing		1x0043	x.xx	NA	NA	0	1		Reduction of cross-flow exchanger due to de-icing; deicing started
Heating coil 2, Electric	Status	Standard	ElBat2PowerRed		1x0045	x.xx	NA	NA	0	1		Electric coil 2 - Output reduction active due to low flow
Filter	Alarm	Standard	FiltSup2Alarm		1x0048	4.18	BI253	4.18	0	1		Filter Alarm for Sup2-Filter (pressure above Limit)
Filter	Alarm	Standard	FiltExt2Alarm		1x0049	4.18	BI254	4.18	0	1		Filter Alarm for Ext2-Filter (pressure above Limit)
Temp. Supply	Alarm	Standard	SupTempSensErr		1x0050	x.xx	BI37	x.xx	0	1		Supply temperature sensor – sensor fault
Temp. Extract	Alarm	Standard	ExtTempSensErr		1x0051	x.xx	BI38	x.xx	0	1		Extract temperature sensor – sensor fault
Temp. Out door	Alarm	Standard	OutDoorSensErr		1x0052	x.xx	BI39	x.xx	0	1		Outdoor temperature sensor – sensor fault

Temp. Room	Alarm	Standard	RoomSensErr		1x0053	x.xx	BI40	x.xx	0	1	Room temperature sensor – sensor fault
Temp. Exhaust	Alarm	Standard	ExhaustSensErr		1x0054	x.xx	BI41	x.xx	0	1	Exhaust temperature sensor – sensor fault
Heating coil 1, Water	Alarm	Standard	HW1SensErr		1x0055	x.xx	BI42	x.xx	0	1	Heating coil temperature sensor – sensor fault
Heat exchanger	Alarm	Standard	BattEXC_SensEr		1x0056	x.xx	BI43	x.xx	0	1	Heat recovery coil temperature sensor – sensor fault
Heating coil 1, Water	Alarm	Standard	HW1FrostAlr		1x0057	x.xx	BI44	x.xx	0	1	Heating coil frost alarm
Cooling coil	Alarm	Standard	Cool_SumAlarm		1x0060	x.xx	BI45	x.xx	0	1	Cooling shared alarm
Cooling coil	Alarm	Standard	Cool_DI1_Alarm		1x0061	x.xx	BI46	x.xx	0	1	Cooling digital alarm 1 input
Cooling coil	Alarm	Standard	Cool_DI2_Alarm		1x0062	x.xx	BI47	x.xx	0	1	Cooling digital alarm 2 input
Cooling coil	Alarm	Standard	Cool_DI3_Alarm		1x0063	x.xx	BI48	x.xx	0	1	Cooling digital alarm 3 input
Cooling coil	Alarm	Standard	Cool_DI4_Alarm		1x0064	x.xx	BI49	x.xx	0	1	Cooling digital alarm 4 input
Fan, Supply drive	Status	Standard	SupMotorON		1x0070	x.xx	BI50	x.xx	0	1	Supply motor ON/OFF
Fan, Supply drive	Alarm	Standard	SupMotorAlarm		1x0071	4.18	BI51	4.18	0	1	Supply Motor Alarm
Fan, Supply drive	Alarm	Standard	FCsupMtrAlrVlo		1x0072	x.xx	BI52	x.xx	0	1	Supply motor low voltage alarm (only with OJ-FC)
Fan, Supply drive	Alarm	Standard	FCsupMtrAlrVhi		1x0073	x.xx	BI53	x.xx	0	1	Supply motor high voltage alarm(only with OJ-FC)
Fan, Supply drive	Alarm	Standard	FCsupMtrAlrIhi		1x0074	x.xx	BI54	x.xx	0	1	Supply motor high current alarm (only with OJ-FC), motor protection
Fan, Supply drive	Alarm	Standard	FCsupMtrAlrTmp		1x0075	x.xx	BI55	x.xx	0	1	Supply motor temperature alarm (only with OJ-FC)
Fan, Supply drive	Alarm	Standard	FCsupMtrAlrPhs		1x0076	x.xx	BI56	x.xx	0	1	Supply motor phase fault alarm (only with OJ-FC)
Fan, Supply drive	Alarm	Standard	FCAlrSupOldRip		1x0077	x.xx	NA	NA	0	1	Supply motor ripple voltage alarm (only with OJ-FC)
Fan, Supply drive	Alarm	Standard	FCsupMtrIhiLim		1x0078	x.xx	BI58	x.xx	0	1	Supply motor high current limit: short-circuit protection (only with OJ-FC)
Fan, Supply drive	Alarm	Standard	FCsupMtrAlrRip		1x0079	4.18	BI57	4.18	0	1	SupplyMotor V Ripple Alarm
Fan, Extract drive	Status	Standard	ExtMotorON		1x0080	x.xx	BI59	x.xx	0	1	Extract motor ON/OFF
Fan, Extract drive	Alarm	Standard	FCextMtrAlrVlo		1x0082	x.xx	BI61	x.xx	0	1	Extract motor low voltage alarm
Fan, Extract drive	Alarm	Standard	FCextMtrAlrVhi		1x0083	x.xx	BI62	x.xx	0	1	Extract motor high voltage alarm
Fan, Extract drive	Alarm	Standard	FCextMtrAlrIhi		1x0084	x.xx	BI63	x.xx	0	1	Extract motor high current alarm
Fan, Extract drive	Alarm	Standard	FCextMtrAlrTmp		1x0085	x.xx	BI64	x.xx	0	1	Extract motor temperature alarm (only with OJ-FC)
Fan, Extract drive	Alarm	Standard	FCextMtrAlrPhs		1x0086	x.xx	BI65	x.xx	0	1	Extract motor phase fault alarm
Fan, Extract drive	Alarm	Standard	FCAlrExtOldRip		1x0087	x.xx	NA	NA	0	1	Extract motor ripple voltage alarm
Fan, Extract drive	Alarm	Standard	FCextMtrIhiLim		1x0088	x.xx	BI67	x.xx	0	1	Extract motor high current limit
Fan, Extract drive	Alarm	Standard	FCextMtrAlrRip		1x0089	4.18	BI66	4.18	0	1	ExtractMotor V Ripple Alarm
Heat exchanger drive	Status	Standard	EXC_ON		1x0090	x.xx	BI68	x.xx	0	1	Rotary heat exchanger – motor control ON/OFF(only with OJ-RHX2M)
Heat exchanger drive	Status	Standard	EXC_Reset		1x0091	x.xx	BI69	x.xx	0	1	Rotary heat exchanger – reset signal (only with OJ-RHX2M)
Heat exchanger drive	Status	Standard	EXC_Direction		1x0092	x.xx	BI70	x.xx	0	1	Rotary heat exchanger – rotation direction (only with OJ-RHX2M)
Heat exchanger drive	Alarm	Standard	EXC_RotAlarm		1x0093	x.xx	BI71	x.xx	0	1	Rotary heat exchanger – rotation alarm (only with OJ-RHX2M)
Heat exchanger drive	Alarm	Standard	EXC_VloAlarm		1x0094	x.xx	BI72	x.xx	0	1	Rotary heat exchanger – low voltage alarm (only with OJ-RHX2M)
Heat exchanger drive	Alarm	Standard	EXC_VhiAlarm		1x0095	x.xx	BI73	x.xx	0	1	Rotary heat exchanger – high voltage alarm(only with OJ-RHX2M)
Heat exchanger drive	Alarm	Standard	EXC_IhiAlarm		1x0096	x.xx	BI74	x.xx	0	1	Rotary heat exchanger – high current alarm (only with OJ-RHX2M)
Heat exchanger drive	Alarm	Standard	EXC_TempAlarm		1x0097	x.xx	BI75	x.xx	0	1	Rotary heat exchanger – temperature alarm (only with OJ-RHX2M)
Heat exchanger drive	Status	Standard	EXC_RotSignal		1x0098	x.xx	BI76	x.xx	0	1	Rotary heat exchanger – rotation signal (only with OJ-RHX2M)
Heat exchanger drive	Alarm	Standard	EXC_Overload		1x0099	x.xx	BI77	x.xx	0	1	Rotary heat exchanger – torque overload (only with OJ-RHX2M)
Preheater coil, electric	Status	Standard	PH_PowReduce		1x0100	x.xx	BI93	x.xx	0	1	Pre-heating coil - Output reduction, low air volume
Preheater coil, water	Status	Standard	PHFrostRegAct		1x0101	x.xx	BI89	x.xx	0	1	Pre-heating coil - Relay for active heating/cooling
Preheater coil	Status	Standard	PHHeatRelay		1x0102	x.xx	BI91	x.xx	0	1	Pre-heating coil - Frost protection active
Preheater coil, water	Alarm	Standard	PHFrzAlrCool		1x0103	x.xx	NA	NA	0	1	Pre-heating coil - Frost alarm, cooling
Preheater coil, electric	Alarm	Standard	PH_Overheat		1x0104	x.xx	BI92	x.xx	0	1	Pre-heating coil - Overheating fault
Preheater coil, water	Alarm	Standard	PH_HWBSensErr		1x0105	x.xx	BI94	x.xx	0	1	Pre-heating coil - Return sensor - Sensor fault
Preheater coil, water	Alarm	Standard	PHFreezeAlarm		1x0106	x.xx	BI88	x.xx	0	1	Pre-heating coil - Frost alarm
Preheater coil	Status	Standard	PHHeatRelay2		1x0107	x.xx	BI226	x.xx	0	1	Preheater - heat relay 2
Preheater coil	Status	Special	PHHeatRelay3		1x0108	x.xx	BI176	x.xx	0	1	Pre-heating coil - Heat relay 3 (Heat/Cool)
Preheater coil, water	Status	Standard	PHPumpExer		1x0109	4.18	BI90	4.18	0	1	Pre-heater Pump exercise active
Heat pump	Status	Special	HP_CoolingActv		1x0110	x.xx	BI108	x.xx	0	1	Changeover relay heatpump active
Heat pump	Status	Special	HP_De-icingAct		1x0111	x.xx	BI109	x.xx	0	1	Status bit: De-icing of heatpump
Cooling coil	Status	Special	NO_CStopRTStat		1x0112	x.xx	BI107	x.xx	0	1	Cooling stopped by room temperature
Cooling coil	Status	Special	NO_CRecovStat		1x0113	x.xx	BI106	x.xx	0	1	Coolrecovery over damper active
Heat exchanger	Alarm	Special	AlrNoREXCali		1x0114	x.xx	BI104	x.xx	0	1	Alarm - pressure transmitter not calibrated (Ice guard rotor heat exchanger)
Heat exchanger	Alarm	Special	AlrSensREXNC		1x0115	x.xx	BI105	x.xx	0	1	Alarm - pressure transmitter not configered (Ice guard rotor heat exchanger)
Heat exchanger	Alarm	Special	AlrRexFrozen		1x0116	x.xx	BI110	x.xx	0	1	Alarm - rotor heat exchanger blocked by ice (high pressure over rotor wheel)
Heat exchanger	Alarm	Special	AlrRexDusty		1x0117	x.xx	BI111	x.xx	0	1	Alarm - rotor heat exchanger blocked by dirt (high pressure over rotor wheel)
Heat exchanger	Alarm	Standard	AlrEXCEffToLow		1x0118	4.18	BI95	4.18	0	1	Alarm - Heat recovery efficiency below alarm limit
Heating coil 2, Water	Alarm	Standard	HW2SensErr		1x0150	x.xx	BI86	x.xx	0	1	Heating coil 2 - Return sensor - Sensor fault
Heating coil 2, Water	Alarm	Standard	HW2FrostAlr		1x0151	x.xx	BI87	x.xx	0	1	Heating coil 2 - Frost alarm
Heating coil 2, Water	Status	Standard	HW2FrostReg		1x0152	x.xx	BI84	x.xx	0	1	Heating coil 2 - Frost control active
Heating coil 2, Water	Status	Standard	HW2PumpExer		1x0153	x.xx	BI85	x.xx	0	1	Heating coil 2 - Circulation pump, pump exercising active
Heater coil 2	Status	Standard	Heat_RE2		1x0154	x.xx	BI278	4.22	0	1	Heating relay 2 (ExtMod-Reserve)
Heating coil 2, Electric	Status	Special	Heat_RE21		1x0155	x.xx	BI212	x.xx	0	1	Heating relay 21 (ExtMod-Reserve)
Heating coil 2, Electric	Status	Special	Heat_RE22		1x0156	x.xx	BI213	x.xx	0	1	Heating relay 22 (ExtMod-Reserve)
Heating coil 2, Electric	Status	Special	Heat_RE23		1x0157	x.xx	BI214	x.xx	0	1	Heating relay 23 (ExtMod-Reserve)
Heating coil 2, Electric	Status	Special	Heat_RE24		1x0159	x.xx	BI215	x.xx	0	1	Heating relay 24 (ExtMod-Reserve)
Heating coil 2, Electric	Status	Special	Heat_RE25		1x0160	x.xx	BI216	x.xx	0	1	Heating relay 25 (ExtMod-Reserve)
Temp. sensor	Alarm	Special	AddOnTSens1Err		1x0161	x.xx	BI79	x.xx	0	1	Add on sensor 1 - Sensor fault
Temp. sensor	Alarm	Special	AddOnTSens2Err		1x0162	x.xx	BI80	x.xx	0	1	Add on sensor 2 - Sensor fault
Temp. sensor	Alarm	Special	AddOnTSens3Err		1x0163	x.xx	BI81	x.xx	0	1	Add on sensor 3 - Sensor fault
Temp. sensor	Alarm	Special	AddOnTSens4Err		1x0164	x.xx	BI82	x.xx	0	1	Add on sensor 4 - Sensor fault
Heating coil 1, Water	Alarm	Standard	HW_StatLuftAlr		1x0165	x.xx	NA	NA	0	1	Status frost thermostat alarm (digital input)
Heat exchanger	Alarm	Standard	AlrFrzBattEXC		1x0166	x.xx	BI100	x.xx	0	1	Frost alarm fluid-coupled coil (CoilEXC)
Humidifier	Alarm	Standard	HumidAlrInp		1x0169	x.xx	NA	NA	0	1	Humidifier alarm status
Combi coil	Alarm	Standard	CombiTSenErr		1x0170	x.xx	BI279	4.22	0	1	Combi coil - Return sensor - Sensor fault
Combi coil	Alarm	Standard	CombiFrostAlrH		1x0171	x.xx	BI280	4.22	0	1	Combi coil - Frost alarm
Combi coil	Status	Standard	CombiFrostReg		1x0172	x.xx	BI281	4.22	0	1	Combi coil - Frost protection active
Combi coil	Status	Standard	CombiPumpExer		1x0173	x.xx	BI282	4.22	0	1	Combi coil - Circulation pump, pump exercising active
Combi coil	Status	Standard	CombiCoolRel		1x0174	x.xx	BI283	4.22	0	1	Combi coil; Cooling relay aktive
Combi coil	Status	Standard	CombiHeatRel		1x0175	x.xx	BI284	4.22	0	1	Combi coil; Heating relay aktive
Heating coil 2	Status	Special	Ht2DelayStatus		1x0176	x.xx	BI113	x.xx	0	1	Special customer code: Status timer Heat2
Heating coil 2	Status	Special	Ht2RecBlkAct		1x0177	x.xx	BI115	x.xx	0	1	Special customer code: Blokcing Heat2 in recirkulation mode = Aktivated
Heating coil 2	Status	Special	Ht2FlowChgAct		1x0178	x.xx	BI112	x.xx	0	1	Special customer code: Flow changed caused Heat2 is aktivated
Damper, Recirculation	Status	Special	IntRecFlowStat		1x0179	x.xx	BI116	x.xx	0	1	Special customer code: Status low flow during 100% recirkulation
Damper, Recirculation	Status	Special	RecClosDmpAct		1x0180	x.xx	BI117	x.xx	0	1	Special customer code: Recirkulation damper is closed
Heating coil 2	Status	Special	HT2DelLimBlkNo		1x0181	x.xx	BI114	x.xx	0	1	Special customer code: Limitting Heat2 is not activated
AHU controller	Status	Special	NO_CStopStat		1x0182	x.xx	NA	NA	0	1	Special customer code: Outsdoor air cooling: Stop activated
Heating coil 1	Status	Special	HW1RiFaActiv		1x0183	x.xx	BI118	x.xx	0	1	Max. raise-/fall-time is aktivated

Damper, Smoke evac.	Alarm	Special	AIr_FireEvaDmp	1x0184	x.xx	BI277	4.22	0	1		Alarm smoke evacuation damper is activated
Fan, Supply drive 2	Alarm	Special	EC2supMtAirVlo	1x0185	x.xx	BI120	x.xx	0	1		OJ-EC/-DV 2-supply air motor voltage low alarm
Fan, Supply drive 2	Alarm	Special	EC2supMtAirVhi	1x0186	x.xx	BI121	x.xx	0	1		OJ-EC/-DV 2-supply air motor voltage high alarm
Fan, Supply drive 2	Alarm	Special	EC2supMtAirIhi	1x0187	x.xx	BI122	x.xx	0	1		OJ-EC/-DV 2-supply air motor high current limit alarm
Fan, Supply drive 2	Alarm	Special	EC2supMtAirTmp	1x0188	x.xx	BI123	x.xx	0	1		OJ-EC/-DV 2-supply air motor temperature alarm
Fan, Supply drive 2	Alarm	Special	EC2supMtAirPhs	1x0189	x.xx	BI124	x.xx	0	1		OJ-EC/-DV 2-supply air motor alarm for phase error
Fan, Supply drive 2	Alarm	Special	EC2supRotBlok	1x0190	x.xx	BI126	x.xx	0	1		OJ-EC/-DV 2-supply air motor alarm for blocked rotor
Fan, Supply drive 2	Alarm	Special	EC2supMtIhiLim	1x0191	x.xx	BI119	x.xx	0	1		OJ-EC/-DV 2-supply/supply air motor high current limit; shortcuit protection
Fan, Extract drive 2	Alarm	Special	EC2extMtAirVlo	1x0192	x.xx	BI128	x.xx	0	1		OJ-EC/-DV 2-extract/exhaust motor voltage low alarm
Fan, Extract drive 2	Alarm	Special	EC2extMtAirVhi	1x0193	x.xx	BI129	x.xx	0	1		OJ-EC/-DV 2-extract/exhaust motor voltage high alarm
Fan, Extract drive 2	Alarm	Special	EC2extMtAirIhi	1x0194	x.xx	BI130	x.xx	0	1		OJ-EC/-DV 2-extract/exhaust motor high current limit alarm
Fan, Extract drive 2	Alarm	Special	EC2extMtAirTmp	1x0195	x.xx	BI131	x.xx	0	1		OJ-EC/-DV 2-extract/exhaust motor temperature alarm
Fan, Extract drive 2	Alarm	Special	EC2extMtAirPhs	1x0196	x.xx	BI132	x.xx	0	1		OJ-EC/-DV 2-extract/exhaust motor alarm for phase error
Fan, Extract drive 2	Alarm	Special	EC2extRotBlok	1x0197	x.xx	BI134	x.xx	0	1		OJ-EC/-DV 2-extract/exhaust motor alarm for blocked rotor
Fan, Extract drive 2	Alarm	Special	EC2extMtIhiLim	1x0198	x.xx	BI127	x.xx	0	1		OJ-EC/-DV 2-extract/exhaust motor high current limit; shortcuit protection
Temp. sensor	Alarm	Standard	AlrTTH6202Com	1x0199	x.xx	BI155	x.xx	0	1		TTH-6202 communication error
Fan, Supply drive	Alarm	Standard	ECsupMtrAlrVlo	1x0200	x.xx	BI138	x.xx	0	1		OJ-EC/-DV-supply air motor voltage low alarm
Fan, Supply drive	Alarm	Standard	ECsupMtrAlrVhi	1x0201	x.xx	BI139	x.xx	0	1		OJ-EC/-DV-supply air motor voltage high alarm
Fan, Supply drive	Alarm	Standard	ECsupMtrAlrIhi	1x0202	x.xx	BI140	x.xx	0	1		OJ-EC/-DV-supply air motor high current limit alarm
Fan, Supply drive	Alarm	Standard	ECsupMtrAlrTmp	1x0203	x.xx	BI141	x.xx	0	1		OJ-EC/-DV-supply air motor temperature alarm
Fan, Supply drive	Alarm	Standard	ECsupMtrAlrPhs	1x0204	x.xx	BI142	x.xx	0	1		OJ-EC/-DV-supply air motor alarm for phase error
Fan, Supply drive	Alarm	Standard	ECsupRotBloked	1x0205	x.xx	BI144	x.xx	0	1		OJ-EC/-DV-supply air motor alarm for blocked rotor
Fan, Supply drive	Alarm	Standard	ECsupMtrIhiLim	1x0206	x.xx	BI137	x.xx	0	1		OJ-EC/-DV-supply air motor high current limit; shortcuit protection
Fan, Extract drive	Alarm	Standard	ECextMtrAlrVlo	1x0207	x.xx	BI146	x.xx	0	1		OJ-EC/-DV-extract/exhaust motor voltage low alarm
Fan, Extract drive	Alarm	Standard	ECextMtrAlrVhi	1x0208	x.xx	BI147	x.xx	0	1		OJ-EC/-DV-extract/exhaust motor voltage high alarm
Fan, Extract drive	Alarm	Standard	ECextMtrAlrIhi	1x0209	x.xx	BI148	x.xx	0	1		OJ-EC/-DV-extract/exhaust motor high current limit alarm
Fan, Extract drive	Alarm	Standard	ECextMtrAlrTmp	1x0210	x.xx	BI149	x.xx	0	1		OJ-EC/-DV-extract/exhaust motor temperature alarm
Fan, Extract drive	Alarm	Standard	ECextMtrAlrPhs	1x0211	x.xx	BI150	x.xx	0	1		OJ-EC/-DV-extract/exhaust motor alarm for phase error
Fan, Extract drive	Alarm	Standard	ECextRotBloked	1x0212	x.xx	BI152	x.xx	0	1		OJ-EC/-DV-extract/exhaust motor alarm for blocked rotor
Fan, Extract drive	Alarm	Standard	ECextMtrIhiLim	1x0213	x.xx	BI145	x.xx	0	1		OJ-EC/-DV-extract/exhaust motor high current limit; shortcuit protection
IO Extension module	Alarm	Standard	AlrExtIO1_Comm	1x0214	x.xx	BI158	x.xx	0	1		Extention IO-Modul no. 1 - communication error
IO Extension module	Alarm	Standard	AlrExtIO2_Comm	1x0215	x.xx	BI159	x.xx	0	1		Extention IO-Modul no. 2 - communication error
IO Extension module	Alarm	Standard	AlrExtIO3_Comm	1x0216	x.xx	BI160	x.xx	0	1		Extention IO-Modul no. 3 - communication error
IO Extension module	Alarm	Standard	AlrExtIO4_Comm	1x0217	x.xx	BI161	x.xx	0	1		Extention IO-Modul no. 4 - communication error
IO Extension module	Alarm	Standard	AlrExtIO5_Comm	1x0218	x.xx	BI162	x.xx	0	1		Extention IO-Modul no. 5 - communication error
IO Extension module	Alarm	Standard	AlrExtIO6_Comm	1x0219	x.xx	BI163	x.xx	0	1		Extention IO-Modul no. 6 - communication error
IO Extension module	Alarm	Standard	AlrExtIO7_Comm	1x0220	x.xx	BI164	x.xx	0	1		Extention IO-Modul no. 7 - communication error
IO Extension module	Alarm	Standard	AlrExtIO8_Comm	1x0221	x.xx	BI165	x.xx	0	1		Externalal IO-Modul no. 8 - communication error
Temp. sensor	Alarm	Special	AlrAddOnSens1	1x0222	x.xx	BI167	x.xx	0	1		Addon sensor 1 - Sensor error
Temp. sensor	Alarm	Special	AlrAddOnSens2	1x0223	x.xx	BI168	x.xx	0	1		Addon sensor 2 - Sensor error
Temp. sensor	Alarm	Special	AlrAddOnSens3	1x0224	x.xx	BI169	x.xx	0	1		Addon sensor 3 - Sensor error
Temp. sensor	Alarm	Special	AlrAddOnSens4	1x0225	x.xx	BI170	x.xx	0	1		Addon sensor 4 - Sensor error
Cooling, DX	Status	Special	ROHRlFaActiv	1x0226	x.xx	BI174	x.xx	0	1		Special customer code functionality
Combi coil	Status	Standard	CmbEnCtrlMB	NA	x.xx	BI175	4.18	0	1	0	CombiCoil enable Heat/Cool ctrl via MB
Combi coil	Status	Standard	Cmb2CoolRel	1x0227	x.xx	BI173	x.xx	0	1		Combi coil; Cooling relay no. 2 aktive
Fan, Supply drive	Alarm	Standard	ECsupEEP_Err	1x0228	x.xx	BI178	x.xx	0	1		Supply air fan EEprom error
Fan, Supply drive 2	Alarm	Special	EC2supEEP_Err	1x0229	x.xx	BI179	x.xx	0	1		Supply air fan 2 EEprom error
Fan, Extract drive	Alarm	Standard	ECextEEP_Err	1x0230	x.xx	BI180	x.xx	0	1		Exhaust air fan EEprom error
Fan, Extract drive 2	Alarm	Special	EC2extEEP_Err	1x0231	x.xx	BI181	x.xx	0	1		Exhaust air fan 2 EEeprom error
Temp. sensor	Alarm	Standard	TTH6040ComAlr	1x0232	x.xx	BI182	x.xx	0	1		TTH-6040 communikation error
Cooling, DX	Alarm	Special	LowOilDXHPAlr	1x0233	x.xx	BI183	x.xx	0	1		Low oil level cooling compressor
AHU controller	Fire	Standard	AlrFireManStop	1x0234	x.xx	BI203	x.xx	0	1		Fire mann stop
Damper, Smoke evac.	Smoke	Standard	AlrSmokEvac	1x0235	x.xx	BI204	x.xx	0	1		Smoke evacuation activated
Temp. Room	Alarm	Standard	BMSRoomTOOR	1x0236	x.xx	BI201	x.xx	0	1		BMS room sensor out of range
Temp. Out door	Alarm	Standard	BMSOutDTOOR	1x0237	x.xx	BI202	x.xx	0	1		BMS outdoor temperature out of range
Fan, Smoke evac.	Alarm	Standard	AlrSmokEvaFan	1x0238	x.xx	BI205	x.xx	0	1		Smoke evacuation fan alarm
Damper, Fresh air	Status	Standard	StatInleRel	1x0240	x.xx	BI206	x.xx	0	1		Output for outdoor air/exhaust air active
Damper, Supply air	Status	Standard	StatSupRel	1x0241	x.xx	BI207	x.xx	0	1		Output for supply air damper aktive
Damper, Recirculation	Status	Standard	StatRecRel	1x0242	x.xx	BI208	x.xx	0	1		Output for recircutation damper aktive
Temp. Out door	Alarm	Standard	ExOutDSensErr	1x0243	x.xx	BI209	x.xx	0	1		External outdoor temperature sensor - sensor error
Preheater coil, water	Alarm	Standard	PHTempSensErr	1x0244	x.xx	BI210	x.xx	0	1		Temperature sensor pre-heater - sensor error
Cooling coil	Alarm	Standard	CW_TSensErr	1x0245	x.xx	BI211	x.xx	0	1		Cooling water supply temperature - sensor error
Heating coil 1, Electric	Status	Standard	Heat_RE26	1x0246	x.xx	BI217	x.xx	0	1		Heating relay26 (ExtMod-Reserve)
Combi coil	Status	Standard	Combi_PumpRE	1x0247	x.xx	BI218	x.xx	0	1		Pump relay combi coil activated
Heating coil 2, Electric	Alarm	Standard	EL2_OverHtBac	1x0248	x.xx	BI221	x.xx	0	1		Electric coil 2: High temperature alarm signal
Heating coil 2, Electric	Alarm	Standard	AlrBat2Contact	1x0249	x.xx	BI222	x.xx	0	1		Electric coil 2: Relay stuck
Filter	Alarm	Standard	OutFiltAlrOn	1x0250	x.xx	BI223	x.xx	0	1		Alarm - Time is out for filter change supply air filter
Filter	Alarm	Standard	ExtFiltAlrOn	1x0251	x.xx	BI224	x.xx	0	1		Alarm - Time is out for filter change exhaust air filter
Filter	Calibration	Standard	FiltCaliDone	NA	NA	BI227	x.xx	0	1	0	Filter Calibration done (valid filterpress data) DYNAMICMODE ONLY
Fan	Speed	Standard	ExtDrfMePeriod	NA	NA	BI228	x.xx	0	1	0	Input for forced medium speed
Fan, Supply drive	Alarm	Standard	FCAlrSupPoLim	1x0252	x.xx	BI229	x.xx	0	1		Alarm - Supply air fan, Power limit
Fan, Extract drive	Alarm	Standard	FCAlrExtPoLim	1x0253	x.xx	BI230	x.xx	0	1		Alarm - Exhaust air fan, Power limit
Fan, Supply drive	Alarm	Standard	FCAlrSupDVRBlk	1x0254	x.xx	BI231	x.xx	0	1		Alarm - Supply air fan DV-FC Rotor bloked
Fan, Extract drive	Alarm	Standard	FCAlrExtDVRBlk	1x0255	x.xx	BI232	x.xx	0	1		Alarm - Exhaust air fan, DV-FC Rotor bloked
Fan, Supply drive	Alarm	Standard	DVAlrSupIStop	1x0256	x.xx	BI233	x.xx	0	1		Alarm - Supply air fan1, High Current Stop
Fan, Supply drive 2	Alarm	Standard	DV2AlrSupIStop	1x0257	x.xx	BI235	x.xx	0	1		Alarm - Supply air fan2, High Current Stop
Fan, Extract drive	Alarm	Standard	DVAlrExtIStop	1x0258	x.xx	BI234	x.xx	0	1		Alarm - Exhaust air fan1, High Current Stop
Fan, Extract drive 2	Alarm	Standard	DV2AlrExtIStop	1x0259	x.xx	BI236	x.xx	0	1		Alarm - Exhaust air fan2, High Current Stop
Combi coil	Status	Standard	CmbHeatState	1x0260	x.xx	BI237	x.xx	0	1		Status combi coil = Heating
Combi coil	Status	Standard	CmbCoolState	1x0261	x.xx	BI238	x.xx	0	1		Status combi coil = Heating
Preheater coil, electric	Alarm	Standard	Pre_OverHtBac	1x0262	x.xx	BI239	x.xx	0	1		Alarm = over heating pre-heater
Preheater coil, electric	Alarm	Standard	AlrPrhContact	1x0263	x.xx	BI240	x.xx	0	1		Alarm = preheater relay hanging
Fan, Supply drive	Alarm	Standard	ECSupHiIOAlr	1x0264	x.xx	BI241	x.xx	0	1		Alarm OJ-EC/-DV supply air = High IO current
Fan, Extract drive	Alarm	Standard	ECExtHiIOAlr	1x0265	x.xx	BI242	x.xx	0	1		Alarm OJ-EC/-DV extract air = High IO current
Fan, Supply drive 2	Alarm	Special	EC2SupHiIOAlr	1x0266	x.xx	BI243	x.xx	0	1		Alarm OJ-EC/-DV2 supply air = High IO current
Fan, Extract drive 2	Alarm	Special	EC2ExtHiIOAlr	1x0267	x.xx	BI244	x.xx	0	1		Alarm OJ-EC/-DV2 extract air = High IO current
CVM Mini Meter	Alarm	Standard	AlrCommCVMMini	1x0268	4.21	NA	4.21	0	1		Communication CVM Mini Meter
CVM Mini Meter	Alarm	Standard	AlrCommCVMCool	1x0269	4.21	NA	4.21	0	1		Communication CVM Mini Cool Meter
Fan, supply	Alarm	Standard	AlrSupFanStop	1x0270	4.18	BI245	4.18	0	1		B-Alr SupFan is stopped
HMI display	Alarm	Standard	AlrComHMI20	1x0271	4.18	NA	NA	0	1		A-Alr Comm Error HMI20
Damper, Smoke evac.	Alarm	Special	AlrSMEvacDmp	1x0272	4.18	BI246	4.18	0	1		Smoke Evac Damper not in position
Damper, Smoke evac.	Alarm	Special	AlrSMBPassDmp	1x0273	4.18	BI247	4.18	0	1		Smoke Bypass Damper not in position

Pressure	Alarm	Standard	DPTH_1ComAlr		1x0274	4.18	BI248	4.18	0	1		Communication Alarm DPTH1
Pressure	Alarm	Standard	DPTH_2ComAlr		1x0275	4.18	BI249	4.18	0	1		Communication Alarm DPTH2
Pressure	Alarm	Standard	DPTH_3ComAlr		1x0276	4.18	BI250	4.18	0	1		Communication Alarm DPTH3
Pressure	Alarm	Standard	DPTH_4ComAlr		1x0277	4.18	BI251	4.18	0	1		Communication Alarm DPTH4
Pressure	Alarm	Standard	DPTH_5ComAlr		1x0278	4.18	BI252	4.18	0	1		Communication Alarm DPTH5
Filter	Alarm	Standard	SupFilt2AlrOn		1x0279	4.18	BI255	4.18	0	1		Alarm from Supplyfilter2filtertimer
Filter	Alarm	Standard	ExtFilt2AlrOn		1x0280	4.18	BI256	4.18	0	1		Alarm from Extractfilter2timer
Heating	Alarm	Standard	AlrFrostLuft		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	BI125	4.18				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	AlrEC2SupCom		1x0284	4.18	BI135	4.18	0	1		OJ-EC/-DV2 Supply Comm Alarm
Fan, Extract drive 2	Alarm	Special	AlrEC2ExtCom		1x0285	4.18	BI136	4.18	0	1		OJ-EC/-DV2 Extract Comm Alarm
Fan, Supply drive	Alarm	Standard	ECsup_ErrDir		1x0286	4.18	BI143	4.18	0	1		OJ-EC/-DV-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	AlrOJ_ECS_Comm		1x0288	4.18	BI153	4.18	0	1		OJ-EC/-DV Supply Comm Alarm
Fan, Extract drive	Alarm	Standard	AlrOJ_ECE_Comm		1x0289	4.18	BI154	4.18	0	1		OJ-EC/-DV Extract Comm Alarm
Damper, Smoke evac.	Alarm	Special	AlrBDRes7Com		1x0290	4.18	BI156	4.18	0	1		Communication Alarm Belimo ResNo7 Damper
Damper, Smoke evac.	Alarm	Special	AlrBDRes7Pos		1x0291	4.18	BI157	4.18	0	1		Position Alarm Belimo ResNo7 Damper
Temp. sensor	Alarm	Special	AlrSupTemp2		1x0292	4.18	BI166	4.18	0	1		Supplysensor 2 alarm
Fan, Supply drive	Alarm	Standard	AlrSupMtr		1x0293	4.18	BI171	4.18	0	1		SupMotor Alarm
Fan, Extract drive	Alarm	Standard	AlrExtMtr		1x0294	4.18	BI172	4.18	0	1		ExtMotor Alarm
Fan, ATV drive	Alarm	Special	AlrAtvSupComm		1x0295	4.18	BI96	4.18	0	1		Alarm Atv Communication alarm Supply
Fan, ATV drive	Alarm	Special	AlrAtvExtComm		1x0296	4.18	BI97	4.18	0	1		Alarm Atv Ccommunication alarm Extract
Fan, ATV drive	Alarm	Special	AlrAtvSupFC		1x0297	4.18	BI98	4.18	0	1		Alarm Atv FC Supply
Fan, ATV drive	Alarm	Special	AlrAtvExtFC		1x0298	4.18	BI99	4.18	0	1		Alarm Atv FC Extract
Preheater coil, electric	Alarm	Special	AlrDelceCont		1x0299	4.18	BI101	4.18	0	1		Contact error Delcer El-coil
Preheater coil, electric	Alarm	Special	AlrDelceOverh		1x0300	4.18	BI102	4.18	0	1		Delcer overheatingsalarm El-coil
Preheater coil, electric	Alarm	Special	AlrDelceReduc		1x0301	4.18	BI103	4.18	0	1		Delcer power reduction alarm El-coil
Fan, Extract drive	Alarm	Standard	ExtMotorAlarm		1x0302	4.18	BI60	4.18	0	1		ExtractMotor ON/OFF
Zone, PIR	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_RoomTmpErr		1x0306	4.19	BI260	4.19	0	1		ZoneModule 1 - Room Temp Sensor Error
Zone 1	Status	Standard	ZM1_SupTempErr		1x0307	4.19	BI261	4.19	0	1		ZoneModule 1 - Supply Temp Sensor Error
Zone 2	Status	Standard	ZM2_WinFrost		1x0308	4.19	BI262	4.19	0	1		ZoneModule 2 - WindowFrost Value
Zone 2	Status	Standard	ZM2_PIR		1x0309	4.19	BI263	4.19	0	1		ZoneModule 2 - PIR Active
Zone 2	Status	Standard	ZM2_RoomTmpErr		1x0310	4.19	BI264	4.19	0	1		ZoneModule 2 - Room Temp Sensor Error
Zone 2	Status	Standard	ZM2_SupTempErr		1x0311	4.19	BI265	4.19	0	1		ZoneModule 2 - Supply Temp Sensor Error
Zone 3	Status	Standard	ZM3_WinFrost		1x0312	4.19	BI266	4.19	0	1		ZoneModule 3 - WindowFrost Value
Zone 3	Status	Standard	ZM3_PIR		1x0313	4.19	BI267	4.19	0	1		ZoneModule 3 - PIR Active
Zone 3	Status	Standard	ZM3_RoomTmpErr		1x0314	4.19	BI268	4.19	0	1		ZoneModule 3 - Room Temp Sensor Error
Zone 3	Status	Standard	ZM3_SupTempErr		1x0315	4.19	BI269	4.19	0	1		ZoneModule 3 - Supply Temp Sensor Error
Zone 4	Status	Standard	ZM4_WinFrost		1x0316	4.19	BI270	4.19	0	1		ZoneModule 4 - WindowFrost Value
Zone 4	Status	Standard	ZM4_PIR		1x0317	4.19	BI271	4.19	0	1		ZoneModule 4 - PIR Active
Zone 4	Status	Standard	ZM4_RoomTmpErr		1x0318	4.19	BI272	4.19	0	1		ZoneModule 4 - Room Temp Sensor Error
Zone 4	Status	Standard	ZM4_SupTempErr		1x0319	4.19	BI273	4.19	0	1		ZoneModule 4 - Supply Temp Sensor Error
Cooling coil	Status	Standard	Cool_RE2		1x0320	4.22	BI274	4.21	0	1		Cooling Relay 2
Cooling coil	Status	Standard	Cool_RE3		1x0321	4.22	BI275	4.21	0	1		Cooling Relay 3
Cooling coil	Status	Standard	Cool_RE4		1x0322	4.22	BI276	4.21	0	1		Cooling Relay 4
Fan Wall, Supply	Alarm	Standard	SupFanWallAlr		1x0323	6.30	BI285	6.30	0	1		Supply Fan wall Alarm (B)
Fan Wall, Exhaust	Alarm	Standard	ExtFanWallAlr		1x0324	6.30	BI286	6.30	0	1		Extract Fan wall Alarm (B)
Damper, Extract air	Status	Standard	ExtDamperSig		1x0325	6.30	BI287	6.30	0	1		The extract digital damper output signal
Damper, Exhaust	Status	Standard	ExhDamperSig		1x0326	6.30	BI288	6.30	0	1		The exhaust digital damper output signal
Damper, Backup Exhaust	Status	Standard	ExhBDamperSig		1x0327	6.30	BI289	6.30	0	1		The exhaust backup digital damper output signal
Damper, Backup Supply	Status	Standard	SupBDamperSig		1x0328	6.30	BI290	6.30	0	1		The supply backup digital damper output signal
Fan, supply	Status	Standard	AlrComSupFan		1x0500	x.xx	BI185	x.xx	0	1		Common Alarm - supply air fan
Fan, supply	Alarm	Standard	AlrComSupFlDu		1x0501	x.xx	BI187	x.xx	0	1		Common Alarm - supply pressure/flow
Fan	Alarm	Standard	AlrComExtFan		1x0502	x.xx	BI186	x.xx	0	1		Common Alarm - extract fan
Fan	Alarm	Standard	AlrComExtFlDu		1x0503	x.xx	BI188	x.xx	0	1		Common Alarm - extract pressure/flow
Heating coil, Water	Alarm	Standard	AlrComHWPump		1x0504	x.xx	BI184	x.xx	0	1		Common Alarm - circulation pump
Heat exchanger	Alarm	Standard	AlrComEXC		1x0505	x.xx	BI189	x.xx	0	1		Common Alarm - heat exchanger
Heating coil, Water	Alarm	Standard	AlrComFreeze		1x0506	x.xx	BI190	x.xx	0	1		Common Alarm - frost
Heating coil, Electric	Alarm	Standard	AlrComElHeat		1x0507	x.xx	BI191	x.xx	0	1		Common Alarm - electric heating coil
AHU controller	Alarm	Standard	AlrComTemp		1x0508	x.xx	BI192	x.xx	0	1		Common Alarm - temperature high/low
Filter	Alarm	Standard	AlrComSFilt		1x0509	x.xx	BI193	x.xx	0	1		Common Alarm - supply filter
Filter	Alarm	Standard	AlrComEFilt		1x0510	x.xx	BI194	x.xx	0	1		Common Alarm - extract filter
Temp. sensor	Alarm	Standard	AlrComTmpSens		1x0511	x.xx	BI195	x.xx	0	1		Common Alarm - temperature sensor
Cooling coil	Alarm	Standard	AlrComCool		1x0512	x.xx	BI196	x.xx	0	1		Common Alarm - cooling
Damper, Direct Modbus	Alarm	Standard	AlrComBDamp		1x0513	x.xx	BI197	x.xx	0	1		Common Alarm Belimo damper
AHU controller	Alarm	Standard	AlrComIntern		1x0514	x.xx	BI198	x.xx	0	1		Common Alarm - Internal Modbus error
AHU controller	Status	Standard	BMS_InpStat		1x0515	4.18	BI199	4.18	0	1		Activate BMS control
AHU controller	Status	Standard	ExternLowState		1x0522	x.xx	BI200	x.xx	0	1		Input external low speed
AHU controller	Status	Standard	StartInpState		1x0523	x.xx	BI177	x.xx	0	1		Status external start input
1. Info	**1. Info**	**1. Info**	**1. Info**		**Input register (R)**		**Analog input (R)**	**1. Info**	**1. Info**	**1. Info**	**1. Info**	**1. Info**
AHU controller	Control	Standard	DriftMode		3x0001	x.xx	AI0	x.xx	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	Pa	3x0003	x.xx	AI1	x.xx	0	5000		Actual supply duct pressure [Pa]
Pressure	Set point	Standard	SupDuctPaRgSet	Pa	3x0004	x.xx	AI2	x.xx	0	2000		Setpoint for supply duct pressure controller [Pa]
Pressure	Current value	Standard	ExtDuctPa	Pa	3x0005	x.xx	AI3	x.xx	0	5000		Actual extract duct pressure [Pa]
Pressure	Set point	Standard	ExtDuctPaRgSet	Pa	3x0006	x.xx	AI4	x.xx	0	2000		Setpoint for extract duct pressure controller [Pa]
Fan	Current value	Standard	SupFlow	l/s	3x0007	x.xx	AI5	x.xx	0	30000		Actual supply flow [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)
Fan	Set point	Standard	SupFlowRegSet	l/s	3x0008	x.xx	AI6	x.xx	0	30000		Setpoint for supply flow controller [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)
Fan	Current value	Standard	ExtFlow	l/s	3x0009	x.xx	AI7	x.xx	0	30000		Actual extract flow [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)
Fan	Set point	Standard	ExtFlowRegSet	l/s	3x0010	x.xx	AI8	x.xx	0	30000		Setpoint for extract flow controller [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)
CO2 sensor	Current value	Standard	CO2_ppmMeas	ppm	3x0011	x.xx	AI9	x.xx	0	10000		CO2 concentration recorded by CO2 sensor [ppm]
Fan	Current value	Standard	MtrFanSupVin	%	3x0012	x.xx	AI10	x.xx	0	10000		0-10 V DC signal to supply motor
Fan	Current value	Standard	MtrFanExtVin	%	3x0013	x.xx	AI11	x.xx	0	10000		0-10 V DC signal to extract motor

Fan optimizer	Current value	Standard	FAN_SupPrcMeas	%	3x0014	x.xx	AI12	x.xx	0	10000		Voltage on fan optimizer input: supply signal [1/100%]
Fan optimizer	Current value	Standard	FAN_ExtPrcMeas	%	3x0015	x.xx	AI13	x.xx	0	10000		Voltage on fan optimizer input: extract signal [1/100%]
Fan	Set point	Standard	SupFC_MaxFlow	l/s	3x0016	x.xx	AI14	x.xx	100	30000	10000	Supply FC max. flow [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)
Fan	Set point	Standard	ExtFC_MaxFlow	l/s	3x0017	x.xx	AI15	x.xx	100	30000	10000	Extract FC max. flow [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)
Temp. Supply	Current value	Standard	SupTemp	°C	3x0020	x.xx	AI16	x.xx	-4000	10000		Actual supply temperature [1/100°C]
Temp. Supply	Set point	Standard	SupTempRegSet	°C	3x0021	x.xx	AI17	x.xx	0	4000		Setpoint for supply temperature controller [1/100°C]
Temp. Extract	Current value	Standard	ExtTemp	°C	3x0022	x.xx	AI18	x.xx	-4000	10000		Actual extract temperature [1/100°C]
Temp. Extract	Set point	Standard	ExtTempRegSet	°C	3x0023	x.xx	AI19	x.xx	10	4000		Setpoint for extract temperature controller [1/100°C]
Temp. out door	Current value	Standard	OutDoorTemp	°C	3x0024	x.xx	AI20	x.xx	-6000	10000		Actual outdoor temperature [1/100°C]
Temp. room	Current value	Standard	RoomTemp	°C	3x0025	x.xx	AI21	x.xx	-4000	10000		Actual room temperature [1/100°C]
Temp. Exhaust	Current value	Standard	ExhaustTemp	°C	3x0026	x.xx	AI22	x.xx	-4000	10000		Actual exhaust temperature [1/100°C]
AHU controller	Current value	Standard	TempRegMeas	°C	3x0027	x.xx	AI23	x.xx	-4000	10000		Temp. recorded by actual temperature controller [1/100°C]
AHU controller	Set point	Standard	TempRegVal	°C	3x0028	x.xx	AI24	x.xx	0	4000		Control value for actual temperature controller [1/100°C]
Temp. after heat recovery	Current value	Standard	BattEXC_Temp	°C	3x0029	x.xx	AI25	x.xx	-4000	10000		Water coil temperature downstream from heat exchanger [1/100°C]
Heating coil 1, Water	Current value	Standard	HW1BattTemp	°C	3x0030	x.xx	AI26	x.xx	-4000	10000		Actual heating coil temperature [1/100°C]
Filter	Current value	Standard	SupFiltPaAvr	Pa	3x0031	x.xx	AI27	x.xx	0	5000		supply filter pressure [1/100Pa]
Filter	Current value	Standard	ExtFiltPaAvr	Pa	3x0032	x.xx	AI28	x.xx	0	5000		Extract filter pressure [1/100Pa]
Filter	Average value	Standard	FiltSupFlowAvr	Pa	3x0033	x.xx	NA	x.xx	0	2000		Average filter supply flow - for internal use only in connection to dynamic filter suveilance [1/100Pa]
Fan	Set point	Standard	SupMotorSet	%	3x0034	x.xx	AI29	x.xx	0	10000		supply motor signal setpoint [1/100%]
Filter	Average value	Standard	FiltExtFlowAvr	Pa	3x0035	x.xx	NA	x.xx	0	2000		Average filter exhaust flow - for internal use only in connection to dynamic filter suveilance [1/100Pa]
Fan	Set point	Standard	ExtMotorSet	%	3x0036	x.xx	AI30	x.xx	0	10000		Extract motor signal setpoint [%]
Filter	Average value	Standard	FiltSupPaAvr	Pa	3x0037	x.xx	NA	x.xx	0	3000		Average supfilter-pressure [1/100Pa/30]
Filter	Average value	Standard	FiltExtPaAvr	Pa	3x0038	x.xx	NA	x.xx	0	3000		Average extfilter-pressure [1/100Pa/30]
Filter	Set point	Standard	FiltSupAlrPa	Pa	3x0039	x.xx	AI31	x.xx	0	100		supply filter monitor max. alarm limit [Pa] ONLY IN DYNAMIC MODE ("0" IS STATIC MODE)
Filter	Set point	Standard	EfficiencyTemp	Pa	3x0040	5.07	AI232	5.07	0	100		Current EfficiencyTemp [1/100C]
Temp. heat pump	Current value	Special	HP_OutdCoilTmp	°C	3x0041	x.xx	NA	NA	-6000	10000		Actual outdoor temperature near outdoor heat pump parts [1/100°C]
Heat exchanger	Current value	Standard	EXCActualEff	%	3x0042	x.xx	AI108	x.xx	0	10000		Heat exchanger efficiency [1/100%]
Fan, ATV drive	Alarm	Special	AtvSupFCType		3x0043	x.xx	AI106	x.xx	0	30000		Supply ATV frequency converter - Actual FC type
Fan, ATV drive	Alarm	Special	AtvExtFCType		3x0044	x.xx	AI107	x.xx	0	30000		Exhaust ATV frequency converter - Actual FC type
Filter	Set point	Standard	FiltSup2AlrPa	Pa	3x0045	4.18		x.xx	0	100		Filter pressure for alarm-limit at actual flow [Pa] DYNAMICMODE ONLY (zero in staticmode)
Filter	Set point	Standard	FiltExt2AlrPa	Pa	3x0046	4.18		x.xx	0	100		Filter pressure for alarm-limit at actual flow [Pa] DYNAMICMODE ONLY (zero in staticmode)
Filter	Average value	Standard	ExtFilt2PaAvr	Pa	3x0047	4.18	AI130	4.18	0	5000		Extract 2 FlowPressure (Avr-Meas) [1/100Pa]
		Standard	FiltExtAlrPa	Pa	3x0048	5.07	AI32	5.07	0	100		Extract filter monitor max. alarm limit [Pa] ONLY IN DYNAMIC MODE ("0" IS STATIC MODE)
Filter	Average value	Standard	SupFilt2PaAvr	Pa	3x0049	4.18	AI131	4.18	0	5000		Supply 2 FilterPressure (Avr-Meas) [1/100Pa]
AHU controller	Set point	Standard	FlwTmpCmpOut	%	3x0050	x.xx	AI33	x.xx	0	10000		Temp. compensated flow setpoint percentage [1/100%]
AHU controller	Summer/Winter comp.	Standard	SWTC_ActSetOfs	C	3x0051	x.xx	AI34	x.xx	-1000	1000		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	30000		SummerNight Time with Heat Demand [sec]
Heat exchanger	Set point	Standard	HeatEXCPower	%	3x0053	x.xx	AI35	x.xx	0	10000		Heat exchange controller heating power [1/100%]
Heating	Set point	Standard	HeatPower	%	3x0054	x.xx	AI36	x.xx	0	10000		Actual heating power [1/100%]
Cooling coil	Set point	Standard	CoolPower	%	3x0055	x.xx	AI37	x.xx	0	10000		Cooling controller power [1/100%]
Cooling coil	Set point	Standard	CoolActPower	%	3x0056	x.xx	AI38	x.xx	0	10000		Actual cooling power [1/100%]
Cooling coil	Set point	Standard	CoolFlwForcePw	%	3x0057	x.xx	AI39	x.xx	0	10000		Cooling forced flow power [1/100%]
Cooling, DX	Current value	Standard	CoolVin1Alarm	%	3x0058	x.xx	AI40	x.xx	0	10000		Cooling alarm 1 transducer signal [1/100%]
Cooling, DX	Current value	Standard	CoolVin2Alarm	%	3x0059	x.xx	AI41	x.xx	0	10000		Cooling alarm 2 transducer signal [1/100%]
Cooling, DX	Current value	Standard	CoolVin3Alarm	%	3x0060	x.xx	AI42	x.xx	0	10000		Cooling alarm 3 transducer signal [1/100%]
Cooling, DX	Current value	Standard	CoolVin4Alarm	%	3x0061	x.xx	AI43	x.xx	0	10000		Cooling alarm 4 transducer signal [1/100%]
Cooling, DX	Current value	Standard	C_LoPress1Bar	Bar	3x0062	x.xx	AI44	x.xx	0	10000		Actual low pressure sensor 1 [1/100 bar]
Cooling, DX	Current value	Standard	C_HiPress1Bar	Bar	3x0063	x.xx	AI45	x.xx	0	10000		Actual high pressure sensor 1 [1/100 bar]
Cooling, DX	Current value	Standard	C_LoPress2Bar	Bar	3x0064	x.xx	AI46	x.xx	0	10000		Actual low pressure sensor 2 [1/100 bar]
Cooling, DX	Current value	Standard	C_HiPress2Bar	Bar	3x0065	x.xx	AI47	x.xx	0	10000		Actual high pressure sensor 2 [1/100 bar]
Heater coil 2	Set point	Standard	Heat2Power	%	3x0066	x.xx	AI103	x.xx	0	10000		Heating 2 - Regulator power [1/100%]
Fan, Supply drive	Current value	Standard	FCsupMtrType		3x0070	x.xx	AI48	x.xx	0	256		Supply motor type (only with OJ-FC)
Fan, Supply drive	SW version	Standard	FCsupMtrFC_SW		3x0071	x.xx	AI49	x.xx	0	1000		Supply motor software version [1/100] (only with OJ-FC)
Fan, Supply drive	SW version	Standard	FCsupMtrIO_SW		3x0072	x.xx	AI50	x.xx	0	1000		Supply motor IO card software version [1/100] (only with OJ-FC)
Fan, Supply drive	Current value	Standard	FCsupMtrPrcOut	%	3x0073	x.xx	AI51	x.xx	0	10000		Supply motor output percentage [1/100%] (only with OJ-FC)
Fan, Supply drive	Current value	Standard	FCsupMtrHzOut	Hz	3x0074	x.xx	AI52	x.xx	0	10000		Supply motor frequency output [1/100 Hz] (only with OJ-FC)
Fan, Supply drive	Current value	Standard	FCsupMtrIout	mA	3x0075	x.xx	AI53	x.xx	0	30000		Supply motor actual current output [mA] (only with OJ-FC)
Fan, Supply drive	Current value	Standard	FCsupMtrPowOut	W	3x0076	x.xx	AI54	x.xx	0	6000		Supply motor actual power output [Watt] (only with OJ-FC)
Fan, Supply drive	Set point	Standard	FCsupMtrPrcSet	%	3x0077	x.xx	AI55	x.xx	0	10000		Supply motor setpoint [%]
Fan, Supply drive	Current value	Standard	SupSFP	J/m	3x0078	x.xx	AI56	x.xx	0	10000		Specific fan power (SFP), supply [W·s/m3 = J/m3] (only with OJ-FC)
		Standard	SupSFPII	J/m	3x0079	5.07	AI251	5.07	0	10000		Supply SFP EC-2 [Ws/m3 same as J/m3]
Fan, Extract drive	Current value	Standard	FCextMtrType		3x0080	x.xx	AI57	x.xx	0	256		Extract motor type (only with OJ-FC)
Fan, Extract drive	SW version	Standard	FCextMtrFC_SW		3x0081	x.xx	AI58	x.xx	0	1000		Extract motor software version [1/100] (only with OJ-FC)
Fan, Extract drive	SW version	Standard	FCextMtrIO_SW		3x0082	x.xx	AI59	x.xx	0	1000		Extract motor IO card software version [1/100] (only with OJ-FC)
Fan, Extract drive	Current value	Standard	FCextMtrPrcOut	%	3x0083	x.xx	AI60	x.xx	0	10000		Extract motor output percentage [1/100%] (only with OJ-FC)
Fan, Extract drive	Current value	Standard	FCextMtrHzOut	Hz	3x0084	x.xx	AI61	x.xx	0	10000		Extract motor frequency output [1/100 Hz] (only with OJ-FC)
Fan, Extract drive	Current value	Standard	FCextMtrIout	mA	3x0085	x.xx	AI62	x.xx	0	30000		Extract motor actual current output [mA] (only with OJ-FC)
Fan, Extract drive	Current value	Standard	FCextMtrPowOut	W	3x0086	x.xx	AI63	x.xx	0	6000		Extract motor actual power output [Watt] (only with OJ-FC)
Fan, Extract drive	Set point	Standard	FCextMtrPrcSet	%	3x0087	x.xx	AI64	x.xx	0	10000		Extract motor output setpoint [1/100%]
Fan, Extract drive	Current value	Standard	ExtSFP	J/m	3x0088	x.xx	AI65	x.xx	0	10000		Specific fan power (SFP), extract [W·s/m3 = J/m3] (only with OJ-FC)
		Standard	ExtSFPII	J/m	3x0089	5.07	AI252	5.07	0	10000		Extract SFP EC-2 [Ws/m3 same as J/m3]
Heat exchanger drive	Current value	Standard	EXC_Type		3x0090	x.xx	AI66	x.xx	0	3		Rotary heat exchanger – motor type (only with OJ RHX2M)
Heat exchanger drive	SW version	Standard	EXC_Software		3x0091	x.xx	AI67	x.xx	0	10000		Rotary heat exchanger – software version [1/100] (only with OJ RHX2M)
Heat exchanger drive	Current value	Standard	EXC_PrcOut	%	3x0092	x.xx	AI68	x.xx	0	10000		Rotary heat exchanger – percentage [1/100%]
Heat exchanger drive	Current value	Standard	EXC_RpmOut	rpm	3x0093	x.xx	AI69	x.xx	0	20000		Rotary heat exchanger – speed output [1/100 rpm]
Heat exchanger drive	Current value	Standard	EXC_Iout	mA	3x0094	x.xx	AI70	x.xx	0	10000		Rotary heat exchanger – actual output [mA] (only with OJ RHX2M)
Heat exchanger drive	Current value	Standard	EXC_Power	W	3x0095	x.xx	AI71	x.xx	0	100		Rotary heat exchanger – output power [W] (only with OJ RHX2M)
Heat exchanger drive	Current value	Standard	EXC_DriftDays	Day	3x0096	x.xx	AI72	x.xx	0	32000		Rotary heat exchanger – days of operation (only with OJ RHX2M)
Heat exchanger drive	Set point	Standard	EXC_PrcSet	%	3x0097	x.xx	AI73	x.xx	0	10000		Rotary heat exchanger – percentage setpoint [1/100%] (only with OJ RHX2M)
		Standard	FullSFPHigh	J/m	3x0098	5.07	AI253	5.07	0	10000		Combined SFP [Ws/m3 same as J/m3]
		Standard	FullSFPLow	J/m	3x0099	5.07	AI254	5.07	0	10000		Combined SFP [Ws/m3 same as J/m3]
IO Extension module	SW version	Standard	EXTM1_SW_Ver		3x0100	x.xx	AI74	x.xx	0	10000		Extension module 1 software version [1/100]
IO Extension module	SW version	Standard	EXTM2_SW_Ver		3x0101	x.xx	AI75	x.xx	0	10000		Extension module 2 software version [1/100]
Preheater coil	Current value	Standard	PHWMTemp	°C	3x0102	x.xx	AI105	x.xx	-4000	10000		Actual temperature of pre-heating coil [1/100°C]
Preheater coil	Set point	Standard	PH_HeatPower	%	3x0103	x.xx	AI104	x.xx	0	10000		Actual output of pre-heating coil [1/100%]
AHU controller	Time	Standard	TimeSw-WeekDay		3x0110	x.xx	AI76	x.xx	0	6		Actual day of the week (0=Mon..6=Sun)
AHU controller	Status	Standard	ExtDrfDaysLeft		3x0111	x.xx	AI77	x.xx	0	6		Extended operation, remaining number of days

AHU controller	Status	Standard	ExtDrfMinLeft	Min	3x0112	x.xx	AI78	x.xx	0	1439	Extended operation, remaining number of minutes
Heat pump	Current value	Special	HP_CoilPaMeas	Pa	3x0115	x.xx	AI110	x.xx	0	5000	Actual pressure at the heat pump outdoor coil.
AHU controller	Alarm	Standard	Alr_Released00		3x0120	x.xx	AI79	x.xx	0	100	Stack for active alarms (0 indicates end of stack)
AHU controller	Alarm	Standard	Alr_Released01		3x0121	x.xx	AI80	x.xx	0	100	Stack for active alarms (0 indicates end of stack)
AHU controller	Alarm	Standard	Alr_Released02		3x0122	x.xx	AI81	x.xx	0	100	Stack for active alarms (0 indicates end of stack)
AHU controller	Alarm	Standard	Alr_Released03		3x0123	x.xx	AI82	x.xx	0	100	Stack for active alarms (0 indicates end of stack)
AHU controller	Alarm	Standard	Alr_Released04		3x0124	x.xx	AI83	x.xx	0	100	Stack for active alarms (0 indicates end of stack)
AHU controller	Alarm	Standard	Alr_Released05		3x0125	x.xx	AI84	x.xx	0	100	Stack for active alarms (0 indicates end of stack)
AHU controller	Alarm	Standard	Alr_Released06		3x0126	x.xx	AI85	x.xx	0	100	Stack for active alarms (0 indicates end of stack)
AHU controller	Alarm	Standard	Alr_Released07		3x0127	x.xx	AI86	x.xx	0	100	Stack for active alarms (0 indicates end of stack)
AHU controller	Alarm	Standard	Alr_Released08		3x0128	x.xx	AI87	x.xx	0	100	Stack for active alarms (0 indicates end of stack)
AHU controller	Alarm	Standard	Alr_Released09		3x0129	x.xx	AI88	x.xx	0	100	Stack for active alarms (0 indicates end of stack)
AHU controller	Alarm	Standard	Alr_Released10		3x0130	x.xx	AI89	x.xx	0	100	Stack for active alarms (0 indicates end of stack)
AHU controller	Alarm	Standard	Alr_Released11		3x0131	x.xx	AI90	x.xx	0	100	Stack for active alarms (0 indicates end of stack)
AHU controller	Alarm	Standard	Alr_Released12		3x0132	x.xx	AI91	x.xx	0	100	Stack for active alarms (0 indicates end of stack)
AHU controller	Alarm	Standard	Alr_Released13		3x0133	x.xx	AI92	x.xx	0	100	Stack for active alarms (0 indicates end of stack)
AHU controller	Alarm	Standard	Alr_Released14		3x0134	x.xx	AI93	x.xx	0	100	Stack for active alarms (0 indicates end of stack)
AHU controller	Alarm	Standard	Alr_Released15		3x0135	x.xx	AI94	x.xx	0	100	Stack for active alarms (0 indicates end of stack)
Humidity	Current value	Standard	Humid_ActRHOut		3x0138	6.10	AI263	6.10	0	100	Actual % rel. Huminity Outdoor
Humidity	Current value	Standard	Humid_ActRHExh		3x0139	6.10	AI264	6.10	0	100	Actual % rel. Huminity Exhaust
AHU controller	SW version	Standard	MasterSW_Ver		3x0140	x.xx	AI95	x.xx	0	30000	Master software version [1/100]
HMI display	SW version	Standard	DisplaySW_Ver		3x0141	x.xx	AI96	x.xx	0	30000	Display software version [1/100]
Damper, Fire	Alarm	Standard	AlrFireDmpNCls		3x0142	x.xx	NA	NA	0	1	Alarm, Fire damper not closed
Damper, Fire	Alarm	Standard	AlrFireDmpNOpn		3x0143	x.xx	NA	NA	0	1	Alarm, Fire damper not open
Damper, Fire	Status	Standard	FireDmpTstActv		3x0144	x.xx	NA	NA	0	1	Fire damper test is ongoing
Cooling, DX	Status	Standard	DX_OnTimerRE1	Sec	3x0145	x.xx	NA	NA	0	600	Timer for DX-Cool RE-1 ON-Periode [sec] (ExtMod-Reserve)
Cooling, DX	Status	Standard	DX_OnTimerRE2	Sec	3x0146	x.xx	NA	NA	0	600	Timer for DX-Cool RE-2 ON-Periode [sec] (ExtMod-Reserve)
Cooling, DX	Status	Standard	DX_OnTimerRE3	Sec	3x0147	x.xx	NA	NA	0	600	Timer for DX-Cool RE-3 ON-Periode [sec] (ExtMod-Reserve)
Cooling, DX	Status	Standard	DX_OnTimerRE4	Sec	3x0148	x.xx	NA	NA	0	600	Timer for DX-Cool RE-4 ON-Periode [sec] (ExtMod-Reserve)
Cooling, DX	Status	Standard	DX_RestartCnt1		3x0149	x.xx	NA	NA	0	60	Counter for DX-Cool RE-1 starts per hour (ExtMod-Reserve)
Heating coil 2, Water	Current value	Standard	HW2BattTemp	°C	3x0150	x.xx	NA	NA	-4000	10000	Heating 2 - Hydronic coil return temperature [1/100°C]
Cooling, DX	Status	Standard	DX_RestartCnt3		3x0151	x.xx	NA	NA	0	60	Counter for DX-Cool RE-3 starts per hour (ExtMod-Reserve)
Cooling, DX	Status	Standard	DX_RestartCnt4		3x0152	x.xx	NA	NA	0	60	Counter for DX-Cool RE-4 starts per hour (ExtMod-Reserve)
Cooling, DX	Status	Standard	DX_RestartTim1	Sec	3x0153	x.xx	NA	NA	0	3600	Timer 1 for min. restart period [sec]
Cooling, DX	Status	Standard	DX_RestartTim2	Sec	3x0154	x.xx	NA	NA	0	3600	Timer 2 for min. restart period [sec]
Cooling, DX	Status	Standard	DX_RestartTim3	Sec	3x0155	x.xx	NA	NA	0	3600	Timer 3 for min. restart period [sec]
Cooling, DX	Status	Standard	DX_RestartTim4	Sec	3x0156	x.xx	NA	NA	0	3600	Timer 4 for min. restart period [sec]
Filter	Current value	Standard	FiltSupPrcStat	%	3x0157	x.xx	NA	NA	0	10000	Filter actual alarmstatus for sup-filter [1/100%]
Filter	Current value	Standard	FiltExtPrcStat	%	3x0158	x.xx	NA	NA	0	10000	Filter actual alarmstatus for ext-filter [1/100%]
Filter	Current value	Standard	FiltSupNewPa	Pa	3x0159	x.xx	NA	NA	0	100	Filter pressure for new-filter at actual flow [Pa]
Filter	Current value	Standard	FiltExtNewPa	Pa	3x0160	x.xx	NA	NA	0	100	Filter pressure for new-filter at actual flow [Pa]
Temp. sensor	Current value	Special	AddOnTSensor1	°C	3x0161	x.xx	AI97	x.xx	-4000	10000	Add on sensor 1 [1/100°C]
Temp. sensor	Current value	Special	AddOnTSensor2	°C	3x0162	x.xx	AI98	x.xx	-4000	10000	Add on sensor 2 [1/100°C]
Temp. sensor	Current value	Special	AddOnTSensor3	°C	3x0163	x.xx	AI99	x.xx	-4000	10000	Add on sensor 3 [1/100°C]
Temp. sensor	Current value	Special	AddOnTSensor4	°C	3x0164	x.xx	AI100	x.xx	-4000	10000	Add on sensor 4 [1/100°C]
Fan	Current value	Standard	MtrFanSupVin	%	NA	x.xx	AI101	x.xx	0	10000	0-10 V DC signal to supply motor
Fan	Current value	Standard	MtrFanExtVin	%	NA	x.xx	AI102	x.xx	0	10000	0-10 V DC signal to extract motor
Cooling, DX	Set point	Special	ROHCondPower	%	3x0165	x.xx	NA	NA	0	10000	Only special customer code: Step-up valve - Output [1/100%]
Cooling, DX	Set point	Special	ROHCondOutVDC	V	3x0166	x.xx	NA	NA	0	10000	Only special customer code: Step-up valve - Voltage [1/1000 V]
Cooling, DX	Set point	Special	ROHShuntPower	%	3x0167	x.xx	NA	NA	0	10000	Only special customer code: Condenser coil - Output [1/100%]
Cooling, DX	Set point	Special	ROHShuntOutVDC	V	3x0168	x.xx	NA	NA	0	10000	Only special customer code: Shunt valve - Voltage [1/1000 V]
Humidifier	Set point	Standard	Humid_OutVDC	V	3x0169	x.xx	NA	NA	0	10000	Output to Steam Humidifier [1/1000 V]
Humidity	Current value	Standard	Humid_ActRHSup	%	3x0170	x.xx	AI128	x.xx	0	10000	Actual % rel. Humidity Supply duct [1/100%rh]
Humidity	Current value	Standard	Humid_ActRHExt	%	3x0171	x.xx	AI127	x.xx	0	10000	Actual % rel. Humidity Extract duct [1/100%rh]
Heating coil 12	Set point	Special	HW12_VDCOut	mV	NA	x.xx	AI109	x.xx	0	10000	Only special customer code: Heat coil 1, step2 output (1,2) VDC out
Damper, Recirculation	Status	Special	RecAltFlowAct		3x0172	x.xx	AI111	x.xx	0	2	Only special customer code: Actual status change flow recirc. - 0=No change; 1=Low to high; 2=High to low
Damper, Recirculation	Status	Special	RecClosTimer	Sec	3x0173	x.xx	AI112	x.xx	0	7200	Only special customer code: Actual status timer for lukket recirkulering [Sec]
Heating coil 2	Status	Special	Ht2DelayTimer	Sec	3x0174	x.xx	NA	NA	0	7200	Only special customer code: Timer delayed Heat2 [Sec]
Heat exchanger	Current value	Special	REXCPressAvg		3x0175	x.xx	NA	NA	0	2000	Only special customer code: Actual press. drop over rotary exch. in exhaust air [Pa]
Combi coil	Set point	Standard	CombiVDC_Out	V	3x0176	x.xx	AI113	x.xx	0	10000	Combi coil VDC-Signal [1/1000 V]
Combi coil	Set point	Standard	CombiHeatPow	%	3x0177	x.xx	AI114	x.xx	0	10000	Combi coil %-Signal heating [1/100 %]
Combi coil	Set point	Standard	CombiCoolPow	%		x.xx	AI115	x.xx	0	10000	Combi coil %-Signal Cooling [1/100 %]
Combi coil	Current value	Special	HeatPmpHeatPow	%	3x0178	x.xx	NA	NA	0	10000	Heat pump efficiency in heat demand. Else CoolPower [1/100 %]
Fan, Supply drive 2	Current value	Special	EC2supMtType		3x0179	x.xx	NA	NA	0	256	Only special customer code: OJ-EC/-DV 2-supply/Supply air motor Type
Fan, Supply drive 2	SW version	Special	EC2supMtEC_SW		3x0180	x.xx	NA	NA	0	1000	Only special customer code: OJ-EC/-DV 2-supply/Supply air motor Software Ver [1/100]
Fan, Supply drive 2	SW version	Special	EC2supBoot_SW		3x0181	x.xx	NA	NA	0	1000	Only special customer code: OJ-EC/-DV 2-supply/Supply air motor Boot Software Ver [1/100]
Fan, Supply drive 2	Current value	Special	EC2supMtPrcOut	%	3x0182	x.xx	NA	NA	0	10000	Only special customer code: OJ-EC/-DV 2-supply/Supply air motor percent output [1/100%]
Fan, Supply drive 2	Current value	Special	EC2supMtRPMOut	RPM	3x0183	x.xx	NA	NA	0	10000	Only special customer code: OJ-EC/-DV 2-supply/Supply air motor actual RPM [RPM]
Fan, Supply drive 2	Current value	Special	EC2supMtIout	mA	3x0184	x.xx	NA	NA	0	30000	Only special customer code: OJ-EC/-DV 2-supply/Supply air motor actual current output [mA]
Fan, Supply drive 2	Current value	Special	EC2supMtPowOut	W	3x0185	x.xx	NA	NA	0	7000	Only special customer code: OJ-EC/-DV 2-supply/Supply air motor actual power output [Watt]
Fan, Supply drive 2	Current value	Special	EC2supDriftMin	Min	3x0186	x.xx	NA	NA	0	1440	Only special customer code: OJ-EC/-DV 2-supply/Supply air motor actual running time [minutes]
Fan, Supply drive 2	Current value	Special	EC2supDriftDay	Day	3x0187	x.xx	NA	NA	0	30000	Only special customer code: OJ-EC/-DV 2-supply/Supply air motor actual running time [days]
Fan, Supply drive 2	Set point	Special	EC2supMtPrcSet	%	3x0188	x.xx	NA	NA	0	10000	Only special customer code: OJ-EC/-DV 2-supply/Supply air motor setpoint [1/100%]
Fan, Extract drive 2	Current value	Special	EC2extMtType		3x0189	x.xx	NA	NA	0	256	Only special customer code: OJ-EC/-DV 2-Extract/Exhaust air motor Type
Fan, Extract drive 2	SW version	Special	EC2extMtEC_SW		3x0190	x.xx	NA	NA	0	1000	Only special customer code: OJ-EC/-DV 2-Extract/Exhaust air motor Software Ver [1/100]
Fan, Extract drive 2	SW version	Special	EC2extBoot_SW		3x0191	x.xx	NA	NA	0	1000	Only special customer code: OJ-EC/-DV 2-Extract/Exhaust air motor Boot Software Ver [1/100]
Fan, Extract drive 2	Current value	Special	EC2extMtPrcOut	%	3x0192	x.xx	NA	NA	0	10000	Only special customer code: OJ-EC/-DV 2-Extract/Exhaust air motor percent output [1/100%]
Fan, Extract drive 2	Current value	Special	EC2extMtRPMOut	RPM	3x0193	x.xx	NA	NA	0	10000	Only special customer code: OJ-EC/-DV 2-Extract/Exhaust air motor actual RPM [RPM]
Fan, Extract drive 2	Current value	Special	EC2extMtIout	mA	3x0194	x.xx	NA	NA	0	30000	Only special customer code: OJ-EC/-DV 2-Extract/Exhaust air motor actual current output [mA]
Fan, Extract drive 2	Current value	Special	EC2extMtPowOut	W	3x0195	x.xx	NA	NA	0	7000	Only special customer code: OJ-EC/-DV 2-Extract/Exhaust air motor actual power output [Watt]
Fan, Extract drive 2	Current value	Special	EC2extDriftMin	Min	3x0196	x.xx	NA	NA	0	1440	Only special customer code: OJ-EC/-DV 2-Extract/Exhaust air motor actual running time [minutes]
Fan, Extract drive 2	Current value	**Special**	EC2extDriftDay	Day	3x0197	x.xx	NA	NA	0	30000	Only special customer code: OJ-EC/-DV 2-Extract/Exhaust air motor actual running time [days]
Fan, Extract drive 2	Set point	Special	EC2extMtPrcSet	%	3x0198	x.xx	NA	NA	0	10000	Only special customer code: OJ-EC/-DV 2-Extract/Exhaust air motor setpoint [1/100%]
Fan, Supply drive	Current value	Standard	ECsupMtrType		3x0200	x.xx	NA	NA	0	256	OJ-EC/-DV-supply/Supply air motor Type
Fan, Supply drive	SW version	Standard	ECsupMtrFC_SW		3x0201	x.xx	NA	NA	0	1000	OJ-EC/-DV-supply/Supply air motor Software Ver [1/100]
Fan, Supply drive	SW version	Standard	ECsupBoot_SW		3x0202	x.xx	NA	NA	0	1000	OJ-EC/-DV-supply/Supply air motor Boot Software Ver [1/100]
Fan, Supply drive	Current value	Standard	ECsupMtrPrcOut	%	3x0203	x.xx	NA	NA	0	10000	OJ-EC/-DV-supply/Supply air motor procent udgang [1/100%]
Fan, Supply drive	Current value	Standard	ECsupMtrRPMOut	RPM	3x0204	x.xx	NA	NA	0	10000	OJ-EC/-DV-supply/Supply air motor actual RPM [RPM]
Fan, Supply drive	Current value	Standard	ECsupMtrIout	mA	3x0205	x.xx	NA	NA	0	30000	OJ-EC/-DV-supply/Supply air motor actual current output [1/100mA]
Fan, Supply drive	Current value	Standard	ECsupMtrPowOut	W	3x0206	x.xx	NA	NA	0	7000	OJ-EC/-DV-supply/Supply air motor actual power output [Watt]
Fan, Supply drive	Current value	Standard	ECsupDriftMin	Min	3x0207	x.xx	NA	NA	0	1440	OJ-EC/-DV-supply/Supply air motor actual running time [minutes]

Fan, Supply drive	Current value	Standard	ECsupDriftDay	Day	3x0208	x.xx	NA	NA	0	30000	OJ-EC/-DV-supply/Supply air motor actual running time [days]
Fan, Supply drive	Set point	Standard	ECsupMtrPrcSet	%	3x0209	x.xx	NA	NA	0	10000	OJ-EC/-DV-supply/Supply air motor setpoint [1/100%]
Fan, Extract drive	SW version	Standard	ECextBoot_SW		3x0210	x.xx	NA	NA	0	1000	OJ-EC/-DV-Extract/Exhaust air motor Boot Software Ver [1/100]
Fan, Extract drive	Current value	Standard	ECextMtrPrcOut	%	3x0211	x.xx	NA	NA	0	10000	OJ-EC/-DV-Extract/Exhaust air motor procent udgang [1/100%]
Fan, Extract drive	Current value	Standard	ECextMtrRPMOut	RPM	3x0212	x.xx	NA	NA	0	10000	OJ-EC/-DV-Extract/Exhaust air motor actual RPM [RPM]
Fan, Extract drive	Current value	Standard	ECextMtrIout	mA	3x0213	x.xx	NA	NA	0	30000	OJ-EC/-DV-Extract/Exhaust air motor actual current output [1/100mA]
Fan, Extract drive	Current value	Standard	ECextMtrPowOut	W	3x0214	x.xx	NA	NA	0	7000	OJ-EC/-DV-Extract/Exhaust air motor actual power output [Watt]
Fan, Extract drive	Current value	Standard	ECextDriftMin	Min	3x0215	x.xx	NA	NA	0	1440	OJ-EC/-DV-Extract/Exhaust air motor actual running time [minutes]
Fan, Extract drive	Current value	Standard	ECextDriftDay	Day	3x0216	x.xx	NA	NA	0	30000	OJ-EC/-DV-Extract/Exhaust air motor actual running time [days]
Fan, Extract drive	Current value	Standard	ECextMtrPrcSet	%	3x0217	x.xx	NA	NA	0	10000	OJ-EC/-DV-Extract/Exhaust air motor setpoint [1/100%]
Fan, Extract drive	Current value	Standard	ECextMtrType		3x0218	x.xx	NA	NA	0	256	OJ-EC/-DV-Extract/Exhaust air motor Type
Fan, Extract drive	SW version	Standard	ECextMtrFC_SW		3x0219	x.xx	NA	NA	0	1000	OJ-EC/-DV-Extract/Exhaust air motor Software Ver [1/100]
Temp. Supply 2	Current value	Standard	SupplyTemp2	°C	3x0220	x.xx	AI234	5.07	-4000	10000	Only special customer code: Actual supply supply temperature2 [1/100°C]
Temp. out door	Current value	Standard	ExtOutDTemp	°C	3x0221	x.xx	AI118	x.xx	-6000	10000	External outdoor temperature sensor [1/100°C]
Preheater coil	Current value	Standard	PHeatTempAir	°C	3x0222	x.xx	AI119	x.xx	-4000	10000	Temperature after pre-heating coil [1/100 °C]
Cooling coil	Current value	Standard	CW_supplyTemp	°C	3x0223	x.xx	AI120	x.xx	-4000	10000	Cold water supply temperature for cooling coil [1/100 °C]
Damper, Recirculation	Status	Standard	RecFreshAirDis	%	3x0224	x.xx	AI121	x.xx	0	10000	Damper position intake/outdoor damper [1/100 %]
Damper, Recirculation	Status	Standard	RecDampPrcDis	%	3x0225	x.xx	AI122	x.xx	0	10000	Damper position recirkulation [1/100 %]
Cooling coil	Set point	Standard	CoolVDC_Out2	V	3x0226	x.xx	AI123	x.xx	0	10000	Output voltage cooling valve2 (only combi coil) [1/1000 V]
Fan, ATV drive	Current value	Special	AtvExtPower	kW	3x0227	x.xx	AI116	x.xx	0	30000	ATV extract air actual power [1/100 kW]
Fan, ATV drive	Current value	Special	AtvSupPower	kW	3x0228	x.xx	AI117	x.xx	0	30000	ATV supply air actual power [1/100 kW]
		Standard	OutDoorSenTemp		3x0229	5.07	AI233	5.07	0	4000	Current OutDoorTemp [1/100C]
Filter	Status	Standard	OutFilRestDay		3x0230	x.xx	AI124	x.xx	0	366	Days until timer alarm from the outdoor filter
Filter	Status	Standard	ExtFilRestDay		3x0231	x.xx	AI125	x.xx	0	366	Days until timer alarm from the extract filter
Combi coil	Current value	Standard	CombiBattTemp	°C	NA	x.xx	AI126	x.xx	-4000	10000	combi coil - Actual return temperature [1/100°C]
Humidity	Current value	Standard	RelHumMixed	%	3x0232	x.xx	AI129	x.xx	0	10000	Actual relative humidity in mixed air [1/100%rh]
Filter	Status	Standard	SupFil2RestDay		3x0233	4.18	NA	NA	0	366	Supply filter 2: Restime before change filter alarm will be activated
Filter	Status	Standard	ExtFil2RestDay		3x0234	4.18	NA	NA	0	366	Extract filter 2: Restime before change filter alarm will be activated
Zone	Status	Standard	ZM_Count		3x0235	4.19	AI132	4.19	0	4	Number of Detected ZoneModules
Zone	Status	Standard	ZM_OpMode		3x0236	4.19	AI133	4.19	0	7	ZoneControl Operation Mode
Zone 1	Status	Standard	ZM1_Status		3x0237	4.19	AI134	4.19	0	2	ZoneModule 1 - Status: 0=No active alarm; 1=A-alarm active; 2=B-alarm active
Zone 1	Status	Standard	ZM1_Sup1Set		3x0238	4.19	AI135	4.19	0	0	ZoneModule 1 - VAV Supply 1 Actuator Setpoint [scale depending on the connected actuator]
Zone 1	Status	Standard	ZM1_Sup1Flow		3x0239	4.19	AI136	4.19	0	0	ZoneModule 1 - VAV Supply 1 Actuator Flow [scale depending on the connected actuator]
Zone 1	Status	Standard	ZM1_Sup2Set		3x0240	4.19	AI137	4.19	0	0	ZoneModule 1 - VAV Supply 2 Actuator Setpoint [scale depending on the connected actuator]
Zone 1	Status	Standard	ZM1_Sup2Flow		3x0241	4.19	AI138	4.19	0	0	ZoneModule 1 - VAV Supply 2 Actuator Flow [scale depending on the connected actuator]
Zone 1	Status	Standard	ZM1_ExtSet		3x0242	4.19	AI139	4.19	0	0	ZoneModule 1 - VAV Extract Actuator Setpoint [scale depending on the connected actuator]
Zone 1	Status	Standard	ZM1_ExtFlow		3x0243	4.19	AI140	4.19	0	0	ZoneModule 1 - VAV Extract Actuator Flow [scale depending on the connected actuator]
Zone 1	Status	Standard	ZM1_HeatSet		3x0244	4.19	AI141	4.19	0	0	ZoneModule 1 - VAV Heating Actuator Setpoint [scale depending on the connected actuator]
Zone 1	Status	Standard	ZM1_HeatFlow		3x0245	4.19	AI142	4.19	0	0	ZoneModule 1 - VAV Heating Actuator Flow [scale depending on the connected actuator]
Zone 1	Status	Standard	ZM1_CoolSet		3x0246	4.19	AI143	4.19	0	0	ZoneModule 1 - VAV Cooling Actuator Setpoint [scale depending on the connected actuator]
Zone 1	Status	Standard	ZM1_CoolFlow		3x0247	4.19	AI144	4.19	0	0	ZoneModule 1 - VAV Heating Actuator Flow [scale depending on the connected actuator]
Zone 1	Status	Standard	ZM1_RoomTemp		3x0248	4.19	AI145	4.19	-4000	10000	ZoneModule 1 - Room Temperature Value [1/100°C]
Zone 1	Status	Standard	ZM1_SupTemp		3x0249	4.19	AI146	4.19	-4000	10000	ZoneModule 1 - Supply Temperature Value [1/100°C]
Zone 1	Status	Standard	ZM1_SetOffset		3x0250	4.19	AI147	4.19	-4000	10000	ZoneModule 1 - Remote Setpoint Offset [1/100°C]
Zone 1	Status	Standard	ZM1_CO2VOC		3x0251	4.19	AI148	4.19	0	5000	ZoneModule 1 - CO2/VOC Value [ppm]
Zone 1	Status	Standard	ZM1_RH		3x0252	4.19	AI149	4.19	0	10000	ZoneModule 1 - RH Value [1/100%rh]
Zone 2	Status	Standard	ZM2_Status		3x0253	4.19	AI150	4.19	0	2	ZoneModule 2 - Status: 0=No active alarm; 1=A-alarm active; 2=B-alarm active
Zone 2	Status	Standard	ZM2_Sup1Set		3x0254	4.19	AI151	4.19	0	0	ZoneModule 2 - VAV Supply 1 Actuator Setpoint [scale depending on the connected actuator]
Zone 2	Status	Standard	ZM2_Sup1Flow		3x0255	4.19	AI152	4.19	0	0	ZoneModule 2 - VAV Supply 1 Actuator Flow [scale depending on the connected actuator]
Zone 2	Status	Standard	ZM2_Sup2Set		3x0256	4.19	AI153	4.19	0	0	ZoneModule 2 - VAV Supply 2 Actuator Setpoint [scale depending on the connected actuator]
Zone 2	Status	Standard	ZM2_Sup2Flow		3x0257	4.19	AI154	4.19	0	0	ZoneModule 2 - VAV Supply 2 Actuator Flow [scale depending on the connected actuator]
Zone 2	Status	Standard	ZM2_ExtSet		3x0258	4.19	AI155	4.19	0	0	ZoneModule 2 - VAV Extract Actuator Setpoint [scale depending on the connected actuator]
Zone 2	Status	Standard	ZM2_ExtFlow		3x0259	4.19	AI156	4.19	0	0	ZoneModule 2 - VAV Extract Actuator Flow [scale depending on the connected actuator]
Zone 2	Status	Standard	ZM2_HeatSet		3x0260	4.19	AI157	4.19	0	0	ZoneModule 2 - VAV Heating Actuator Setpoint [scale depending on the connected actuator]
Zone 2	Status	Standard	ZM2_HeatFlow		3x0261	4.19	AI158	4.19	0	0	ZoneModule 2 - VAV Heating Actuator Flow [scale depending on the connected actuator]
Zone 2	Status	Standard	ZM2_CoolSet		3x0262	4.19	AI159	4.19	0	0	ZoneModule 2 - VAV Cooling Actuator Setpoint [scale depending on the connected actuator]
Zone 2	Status	Standard	ZM2_CoolFlow		3x0263	4.19	AI160	4.19	0	0	ZoneModule 2 - VAV Cooling Actuator Flow [scale depending on the connected actuator]
Zone 2	Status	Standard	ZM2_RoomTemp		3x0264	4.19	AI161	4.19	-4000	10000	ZoneModule 2 - Room Temperature Value [1/100°C]
Zone 2	Status	Standard	ZM2_SupTemp		3x0265	4.19	AI162	4.19	-4000	10000	ZoneModule 2 - Supply Temperature Value [1/100°C]
Zone 2	Status	Standard	ZM2_SetOffset		3x0266	4.19	AI163	4.19	-4000	10000	ZoneModule 2 - Remote Setpoint Offset [1/100°C]
Zone 2	Status	Standard	ZM2_CO2VOC		3x0267	4.19	AI164	4.19	0	5000	ZoneModule 2 - CO2/VOC Value [ppm]
Zone 2	Status	Standard	ZM2_RH		3x0268	4.19	AI165	4.19	0	10000	ZoneModule 2 - RH Value [1/100%rh]
Zone 3	Status	Standard	ZM3_Status		3x0269	4.19	AI166	4.19	0	2	ZoneModule 3 - Status: 0=No active alarm; 1=A-alarm active; 2=B-alarm active
Zone 3	Status	Standard	ZM3_Sup1Set		3x0270	4.19	AI167	4.19	0	0	ZoneModule 3 - VAV Supply 1 Actuator Setpoint [scale depending on the connected actuator]
Zone 3	Status	Standard	ZM3_Sup1Flow		3x0271	4.19	AI168	4.19	0	0	ZoneModule 3 - VAV Supply 1 Actuator Flow [scale depending on the connected actuator]
Zone 3	Status	Standard	ZM3_Sup2Set		3x0272	4.19	AI169	4.19	0	0	ZoneModule 3 - VAV Supply 2 Actuator Setpoint [scale depending on the connected actuator]
Zone 3	Status	Standard	ZM3_Sup2Flow		3x0273	4.19	AI170	4.19	0	0	ZoneModule 3 - VAV Supply 2 Actuator Flow [scale depending on the connected actuator]
Zone 3	Status	Standard	ZM3_ExtSet		3x0274	4.19	AI171	4.19	0	0	ZoneModule 3 - VAV Extract Actuator Setpoint [scale depending on the connected actuator]
Zone 3	Status	Standard	ZM3_ExtFlow		3x0275	4.19	AI172	4.19	0	0	ZoneModule 3 - VAV Extract Actuator Flow [scale depending on the connected actuator]
Zone 3	Status	Standard	ZM3_HeatSet		3x0276	4.19	AI173	4.19	0	0	ZoneModule 3 - VAV Heating Actuator Setpoint [scale depending on the connected actuator]
Zone 3	Status	Standard	ZM3_HeatFlow		3x0277	4.19	AI174	4.19	0	0	ZoneModule 3 - VAV Heating Actuator Flow [scale depending on the connected actuator]
Zone 3	Status	Standard	ZM3_CoolSet		3x0278	4.19	AI175	4.19	0	0	ZoneModule 3 - VAV Cooling Actuator Setpoint [scale depending on the connected actuator]
Zone 3	Status	Standard	ZM3_CoolFlow		3x0279	4.19	AI176	4.19	0	0	ZoneModule 3 - VAV Cooling Actuator Flow [scale depending on the connected actuator]
Zone 3	Status	Standard	ZM3_RoomTemp		3x0280	4.19	AI177	4.19	-4000	10000	ZoneModule 3 - Room Temperature Value [1/100°C]
Zone 3	Status	Standard	ZM3_SupTemp		3x0281	4.19	AI178	4.19	-4000	10000	ZoneModule 3 - Supply Temperature Value [1/100°C]
Zone 3	Status	Standard	ZM3_SetOffset		3x0282	4.19	AI179	4.19	-4000	10000	ZoneModule 3 - Remote Setpoint Offset [1/100°C]
Zone 3	Status	Standard	ZM3_CO2VOC		3x0283	4.19	AI180	4.19	0	5000	ZoneModule 3 - CO2/VOC Value [ppm]
Zone 3	Status	Standard	ZM3_RH		3x0284	4.19	AI181	4.19	0	10000	ZoneModule 3 - RH Value [1/100%rh]
Zone 4	Status	Standard	ZM4_Status		3x0285	4.19	AI182	4.19	0	2	ZoneModule 4 - Status: 0=No active alarm; 1=A-alarm active; 2=B-alarm active
Zone 4	Status	Standard	ZM4_Sup1Set		3x0286	4.19	AI183	4.19	0	0	ZoneModule 4 - VAV Supply 1 Actuator Setpoint [scale depending on the connected actuator]
Zone 4	Status	Standard	ZM4_Sup1Flow		3x0287	4.19	AI184	4.19	0	0	ZoneModule 4 - VAV Supply 1 Actuator Flow [scale depending on the connected actuator]
Zone 4	Status	Standard	ZM4_Sup2Set		3x0288	4.19	AI185	4.19	0	0	ZoneModule 4 - VAV Supply 2 Actuator Setpoint [scale depending on the connected actuator]
Zone 4	Status	Standard	ZM4_Sup2Flow		3x0289	4.19	AI186	4.19	0	0	ZoneModule 4 - VAV Supply 2 Actuator Flow [scale depending on the connected actuator]
Zone 4	Status	Standard	ZM4_ExtSet		3x0290	4.19	AI187	4.19	0	0	ZoneModule 4 - VAV Extract Actuator Setpoint [scale depending on the connected actuator]
Zone 4	Status	Standard	ZM4_ExtFlow		3x0291	4.19	AI188	4.19	0	0	ZoneModule 4 - VAV Extract Actuator Flow [scale depending on the connected actuator]
Zone 4	Status	Standard	ZM4_HeatSet		3x0292	4.19	AI189	4.19	0	0	ZoneModule 4 - VAV Heating Actuator Setpoint [scale depending on the connected actuator]
Zone 4	Status	Standard	ZM4_HeatFlow		3x0293	4.19	AI190	4.19	0	0	ZoneModule 4 - VAV Heating Actuator Flow [scale depending on the connected actuator]
Zone 4	Status	Standard	ZM4_CoolSet		3x0294	4.19	AI191	4.19	0	0	ZoneModule 4 - VAV Cooling Actuator Setpoint [scale depending on the connected actuator]
Zone 4	Status	Standard	ZM4_CoolFlow		3x0295	4.19	AI192	4.19	0	0	ZoneModule 4 - VAV Cooling Actuator Flow [scale depending on the connected actuator]
Zone 4	Status	Standard	ZM4_RoomTemp		3x0296	4.19	AI193	4.19	-4000	10000	ZoneModule 4 - Room Temperature Value [1/100°C]
Zone 4	Status	Standard	ZM4_SupTemp		3x0297	4.19	AI194	4.19	-4000	10000	ZoneModule 4 - Supply Temperature Value [1/100°C]
Zone 4	Status	Standard	ZM4_SetOffset		3x0298	4.19	AI195	4.19	-4000	10000	ZoneModule 4 - Remote Setpoint Offset [1/100°C]

Zone 4	Status	Standard	ZM4_CO2VOC		3x0299	4.19	AI196	4.19	0	5000			ZoneModule 4 - CO2/VOC Value [ppm]
Zone 4	Status	Standard	ZM4_RH		3x0300	4.19	AI197	4.19	0	10000			ZoneModule 4 - RH Value [1/100%rh]
CVM Meter	Status	Standard	CVMVoltageL1		3x0301	4.21	AI198	4.21	0	5200			CVM Phase L1 to neutral (N) voltage [V]
CVM Meter	Status	Standard	CVMCurrentL1		3x0302	4.21	AI199	4.21	0	6000			CVM Current L1 value [A]
CVM Meter	Status	Standard	CVMActPowerL1		3x0303	4.21	AI200	4.21	0	65535			CVM Active power [kW]
CVM Meter	Status	Standard	CVMVoltageL2		3x0304	4.21	AI201	4.21	0	5200			CVM Phase L2 to neutral (N) voltage [V]
CVM Meter	Status	Standard	CVMCurrentL2		3x0305	4.21	AI202	4.21	0	6000			CVM Current L2 value [A]
CVM Meter	Status	Standard	CVMActPowerL2		3x0306	4.21	AI203	4.21	0	65535			CVM Active power [kW]
CVM Meter	Status	Standard	CVMVoltageL3		3x0307	4.21	AI204	4.21	0	5200			CVM Phase L3 to neutral (N) voltage [V]
CVM Meter	Status	Standard	CVMCurrentL3		3x0308	4.21	AI205	4.21	0	6000			CVM Current L3 value [A]
CVM Meter	Status	Standard	CVMActPowerL3		3x0309	4.21	AI206	4.21	0	65535			CVM Active power [kW]
CVM Meter	Status	Standard	CVMActPowerIII		3x0310	4.21	AI207	4.21	0	65535			CVM Active power three phases [kW]
CVM Meter	Status	Standard	CVMFrequency		3x0311	4.21	AI208	4.21	0	600			CVM Frequency value [Hz]
CVM Meter	Status	Standard	CVMVoltageL1L2		3x0312	4.21	AI209	4.21	0	5200			CVM Phase-phase Voltage L1 to L2 [V]
CVM Meter	Status	Standard	CVMVoltageL2L3		3x0313	4.21	AI210	4.21	0	5200			CVM Phase-phase Voltage L2 to L3 [V]
CVM Meter	Status	Standard	CVMVoltageL3L1		3x0314	4.21	AI211	4.21	0	5200			CVM Phase-phase Voltage L3 to L1 [V]
CVM Meter	Status	Standard	CVMActEnergIII		3x0315	4.26	AI230	5.07	0	65535			CVM Active energy three phases [kWh]
CVM Meter	Status	Standard	CVMCurrentL1H		3x0316	5.07	AI235	5.07	0	65535			CVM Current value [mA] - Note!: Values are calculated as (High byte) x 65536 + (Low byte) - High and low bytes = Integer
CVM Meter	Status	Standard	CVMActPowerL1H		3x0317	5.07	AI236	5.07	0	65535			CVM Active power [W] - Note!: Values are calculated as (High byte) x 65536 + (Low byte) - High and low bytes = Integer
CVM Meter	Status	Standard	CVMCurrentL2H		3x0318	5.07	AI237	5.07	0	65535			CVM Current value [mA] - Note!: Values are calculated as (High byte) x 65536 + (Low byte) - High and low bytes = Integer
CVM Meter	Status	Standard	CVMActPowerL2H		3x0319	5.07	AI238	5.07	0	65535			CVM Active power [W] - Note!: Values are calculated as (High byte) x 65536 + (Low byte) - High and low bytes = Integer
CVM Meter	Status	Standard	CVMCurrentL3H		3x0320	5.07	AI239	5.07	0	65535			CVM Current value [mA] - Note!: Values are calculated as (High byte) x 65536 + (Low byte) - High and low bytes = Integer
CVM Meter	Status	Standard	CVMActPowerL3H		3x0321	5.07	AI240	5.07	0	65535			CVM Active power [W] - Note!: Values are calculated as (High byte) x 65536 + (Low byte) - High and low bytes = Integer
CVM Meter	Status	Standard	CVMActPoweIIIH		3x0322	5.07	AI241	5.07	0	65535			CVM Active power three phases [W] - Note!: Values are calculated as (High byte) x 65536 + (Low byte) - High and low bytes = Integer
CVM Meter	Status	Standard	CVMActEnerIIIH		3x0323	5.07	AI242	5.07	0	65535			CVM Active energy three phases [Wh] - Note!: Values are calculated as (High byte) x 65536 + (Low byte) - High and low bytes = Integer
CVM Meter	Status	Standard	CCVMVoltageL1		3x0330	4.21	AI212	4.21	0	5200			CVM Cool Phase L1 to neutral (N) voltage [V]
CVM Meter	Status	Standard	CCVMCurrentL1		3x0331	4.21	AI213	4.21	0	6000			CVM Cool Current L1 value [A]
CVM Meter	Status	Standard	CCVMActPowerL1		3x0332	4.21	AI214	4.21	0	65535			CVM Cool Active power [kW]
CVM Meter	Status	Standard	CCVMVoltageL2		3x0333	4.21	AI215	4.21	0	5200			CVM Cool Phase L2 to neutral (N) voltage [V]
CVM Meter	Status	Standard	CCVMCurrentL2		3x0334	4.21	AI216	4.21	0	6000			CVM Cool Current L2 value [A]
CVM Meter	Status	Standard	CCVMActPowerL2		3x0335	4.21	AI217	4.21	0	65535			CVM Cool Active power [kW]
CVM Meter	Status	Standard	CCVMVoltageL3		3x0336	4.21	AI218	4.21	0	5200			CVM Cool Phase L3 to neutral (N) voltage [V]
CVM Meter	Status	Standard	CCVMCurrentL3		3x0337	4.21	AI219	4.21	0	6000			CVM Cool Current L3 value [A]
CVM Meter	Status	Standard	CCVMActPowerL3		3x0338	4.21	AI220	4.21	0	65535			CVM Cool Active power [kW]
CVM Meter	Status	Standard	CCVMActPowrIII		3x0339	4.21	AI221	4.21	0	65535			CVM Cool Active power three phases [kW]
CVM Meter	Status	Standard	CCVMFrequency		3x0340	4.21	AI222	4.21	0	600			CVM Cool Frequency value [Hz]
CVM Meter	Status	Standard	CCVMVoltagL1L2		3x0341	4.21	AI223	4.21	0	5200			CVM Cool Phase-phase Voltage L1 to L2 [V]
CVM Meter	Status	Standard	CCVMVoltagL2L3		3x0342	4.21	AI224	4.21	0	5200			CVM Cool Phase-phase Voltage L2 to L3 [V]
CVM Meter	Status	Standard	CCVMVoltagL3L1		3x0343	4.21	AI225	4.21	0	5200			CVM Cool Phase-phase Voltage L3 to L1 [V]
CVM Meter	Status	Standard	CCVMActEnergIII		3x0344	4.26	AI231	4.26	0	65535			CVM Cool Active energy three phases [kWh]
CVM Meter	Status	Standard	CCVMCurrentL1H		3x0345	5.07	AI243	5.07	0	65535			CCVM Current value [mA] - Note!: Values are calculated as (High byte) x 65536 + (Low byte) - High and low bytes = Integer
CVM Meter	Status	Standard	CCVMActPoweL1H		3x0346	5.07	AI244	5.07	0	65535			CCVM Active power [W] - Note!: Values are calculated as (High byte) x 65536 + (Low byte) - High and low bytes = Integer
CVM Meter	Status	Standard	CCVMCurrentL2H		3x0347	5.07	AI245	5.07	0	65535			CCVM Current value [mA] - Note!: Values are calculated as (High byte) x 65536 + (Low byte) - High and low bytes = Integer
CVM Meter	Status	Standard	CCVMActPoweL2H		3x0348	5.07	AI246	5.07	0	65535			CCVM Active power [W] - Note!: Values are calculated as (High byte) x 65536 + (Low byte) - High and low bytes = Integer
CVM Meter	Status	Standard	CCVMCurrentL3H		3x0349	5.07	AI247	5.07	0	65535			CCVM Current value [mA] - Note!: Values are calculated as (High byte) x 65536 + (Low byte) - High and low bytes = Integer
CVM Meter	Status	Standard	CCVMActPoweL3H		3x0350	5.07	AI248	5.07	0	65535			CCVM Active power [W] - Note!: Values are calculated as (High byte) x 65536 + (Low byte) - High and low bytes = Integer
CVM Meter	Status	Standard	CCVMActPoweIIIH		3x0351	5.07	AI249	5.07	0	65535			CCVM Active power three phases [W] - Note!: Values are calculated as (High byte) x 65536 + (Low byte) - High and low bytes = Integer
CVM Meter	Status	Standard	CCVMActEnrIIIH		3x0352	5.07	AI250	5.07	0	65535			CCVM Active energy three phases [Wh] - Note!: Values are calculated as (High byte) x 65536 + (Low byte) - High and low bytes = Integer
CVM Meter	Status	Standard	CVME3CKActEn3H		3x0353	5.21	AI255	5.21	0	65535			CVM E3 Mini Active energy three phases [kWh] High byte - Note!: Values are calculated as (High byte) x 65536 + (Low byte) - High and low bytes = Integer
CVM Meter	Status	Standard	CVME3CKActEn3		3x0354	5.21	AI256	5.21	0	65535			CVM E3 Mini Active energy three phases [kWh] Low byte - Note!: Values are calculated as (High byte) x 65536 + (Low byte) - High and low bytes = Integer
CVM Meter	Status	Standard	CVME3CWActEn3H		3x0355	5.21	AI257	5.21	0	65535			CVM E3 Mini Active energy three phases [Wh] High byte - Note!: Values are calculated as (High byte) x 65536 + (Low byte) - High and low bytes = Integer
CVM Meter	Status	Standard	CVME3CWActEn3		3x0356	5.21	AI258	5.21	0	65535			CVM E3 Mini Active energy three phases [Wh] Low byte - Note!: Values are calculated as (High byte) x 65536 + (Low byte) - High and low bytes = Integer
CVM Meter	Status	Standard	CCVME3CKActEn3H		3x0357	5.21	AI259	5.21	0	65535			CCVM E3 Mini Active energy three phases [kWh] High byte - Note!: Values are calculated as (High byte) x 65536 + (Low byte) - High and low bytes = Integer
CVM Meter	Status	Standard	CCVME3CKActEn3		3x0358	5.21	AI260	5.21	0	65535			CCVM E3 Mini Active energy three phases [kWh] Low byte - Note!: Values are calculated as (High byte) x 65536 + (Low byte) - High and low bytes = Integer
CVM Meter	Status	Standard	CCVME3CWActEn3H		3x0359	5.21	AI261	5.21	0	65535			CCVM E3 Mini Active energy three phases [Wh] High byte - Note!: Values are calculated as (High byte) x 65536 + (Low byte) - High and low bytes = Integer
CVM Meter	Status	Standard	CCVME3CWActEn3		3x0360	5.21	AI262	5.21	0	65535			CCVM E3 Mini Active energy three phases [Wh] Low byte - Note!: Values are calculated as (High byte) x 65536 + (Low byte) - High and low bytes = Integer
Heating coil, Electric	Status	Special	ElBattActPow		NA	NA	AI226	4.21	0	30000			Actual power (kW) electrical battery 1
Heating coil, Electric	Status	Special	ElBatt2ActPow		NA	NA	AI227	4.21	0	30000			Actual power (kW) electrical battery 2
Fan, supply	Status	Special	ECsupMtrPowOut		NA	NA	AI228	4.21	0	30000			Actual power (kW) Supply fan
Fan, extract	Status	Special	ECextMtrPowOut		NA	NA	AI229	4.21	0	30000			Actual power (kW) Extract fan
1. Info	**1. Info**	**1. Info**	**1. Info**		**Holding register (R/W)**		**Analog value (R/W)**	**1. Info**	**1. Info**	**1. Info**	**1. Info**		**1. Info**
AHU controller	Set point		ManDriftMode		4x0001	x.xx	AV0	x.xx	0	7	0		0=Auto 1=Manual stop 2=Manual low 3=Manual high 6=Manual medium 7=Calender
AHU controller	Set point		MtrRegMode		4x0002	x.xx	AV1	x.xx	0	12	0		0=pressure 1=flow 2=extract slave 3=supply slave 4=external V DC setpoint 5=fan optimizer supply/extract 6=fan optimizer with extract slave 7-Green Zone 8-Green Zone slave 9-Constant speed
Pressure	Set point		SupDuctPaLoSet	Pa	4x0003	x.xx	AV2	x.xx	0	2000	50		Setpoint for duct pressure, low supply [Pa]
Pressure	Set point		SupDuctPaHiSet	Pa	4x0004	x.xx	AV3	x.xx	0	2000	200		Setpoint for duct pressure, high supply [Pa]
Fan	Set point		SupDuctMinFlow	l/s	4x0005	x.xx	AV4	x.xx	0	30000	1500		Min. supply duct flow [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)
Fan	Set point		SupDuctMaxFlow	l/s	4x0006	x.xx	AV5	x.xx	0	30000	10000		Max. supply duct flow P322
Pressure	Set point		ExtDuctPaLoSet	Pa	4x0007	x.xx	AV6	x.xx	0	2000	50		Setpoint for low duct pressure, extract [Pa]
Pressure	Set point		ExtDuctPaHiSet	Pa	4x0008	x.xx	AV7	x.xx	0	2000	200		Setpoint for high duct pressure, extract [Pa]
Fan	Set point		ExtDuctMinFlow	l/s	4x0009	x.xx	AV8	x.xx	0	30000	1500		Min. extract duct flow [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)
Fan	Set point		ExtDuctMaxFlow	l/s	4x0010	x.xx	AV9	x.xx	0	30000	10000		Max. extract duct flow [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)
Fan	Set point		SupLoSpeedSet	l/s	4x0011	x.xx	AV10	x.xx	0	30000	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		SupHiSpeedSet	l/s	4x0012	x.xx	AV11	x.xx	0	30000	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		ExtLoSpeedSet	l/s	4x0014	x.xx	AV12	x.xx	0	30000	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		ExtHiSpeedSet	l/s	4x0015	x.xx	AV13	x.xx	0	30000	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		MtrRegOffset	%	4x0017	x.xx	AV14	x.xx	-5000	5000	0	Supply/extract motor offset, slave and CO2 control [1/100%]
Fan	Set point		MtrRegOffset	%	NA	NA	AV15	x.xx	-5000	5000	0	Supply/extract motor offset, slave and CO2 control [1/100%]
Fan	Set point		MtrRegOffset	%	NA	NA	AV16	x.xx	-5000	5000	0	Supply/extract motor offset, slave and CO2 control [1/100%]
CO2 sensor	Set point		CO2_UserSetLP	ppm	4x0020	x.xx	AV17	x.xx	0	10000	1000	CO2 control: setpoint for low period (high CO2 value) [ppm]
CO2 sensor	Set point		CO2_UserSetHP	ppm	4x0021	x.xx	AV18	x.xx	0	10000	1000	CO2 control: setpoint for high period (high CO2 value) [ppm]
CO2 sensor	Set point		CO2_MinFlow	l/s	4x0022	x.xx	AV19	x.xx	0	30000	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		CO2_MaxFlow	l/s	4x0023	x.xx	AV20	x.xx	0	30000	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		CO2_SupFlwOffs	%	4x0024	x.xx	AV21	x.xx	-5000	5000	0	CO2 control: supply flow offset [1/100%]
CO2 sensor	Alarm		CO2_AlrLimit	ppm	4x0025	x.xx	AV22	x.xx	100	10000	2000	CO2 concentration alarm limit setpoint [ppm]
CO2 sensor	Control		CO2_PB	ppm	4x0026	x.xx	AV23	x.xx	10	10000	500	CO2 control: P-band [ppm]
CO2 sensor	Control	Standard	CO2_I_Time	sec	4x0027	x.xx	AV24	x.xx	10	30000	700	CO2 control: I-time [sec]
Fan optimizer	Set point		FAN_SupMinFlow	l/s	4x0028	x.xx	AV25	x.xx	0	30000	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		FAN_SupMaxFlow	l/s	4x0029	x.xx	AV26	x.xx	0	30000	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		FAN_ExtMinFlow	l/s	4x0030	x.xx	AV27	x.xx	0	30000	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		FAN_ExtMaxFlow	l/s	4x0031	x.xx	AV28	x.xx	0	30000	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		FAN_ExtFlwOffs	%	4x0032	x.xx	AV29	x.xx	-5000	5000	0	Fan optimizer extract control: flow offset [1/100%]
Fan	Control	Standard	SupMtr_I_Time	sec	4x0033	x.xx	AV30	x.xx	5	1000	50	Supply motor control: I-time setpoint [sec]
Fan	Control	Standard	ExtMtr_I_Time	sec	4x0034	x.xx	AV31	x.xx	5	1000	50	Extract motor control: I-time setpoint [sec]
Fan	Fire		SupFlowFireSet	%	4x0035	x.xx	AV32	x.xx	0	10000	8000	Supply motor speed setpoint in case of fire alarm [%]
Fan	Fire		ExtFlowFireSet	%	4x0036	x.xx	AV33	x.xx	0	10000	8000	Extract motor speed setpoint in case of fire alarm [%]
Fan	Control		HS_AfterRunSet		4x0037	x.xx	AV34	x.xx	0	480	0	Run-on time, high speed [min]
Fan	Set point		FlwTmpCmpSet	%	4x0040	x.xx	AV35	x.xx	0	5000	2500	Reduction of flow / percentage of setpoint [1/100%]
Fan	Set point		FlwTmpCmpStart	°C	4x0041	x.xx	AV36	x.xx	-1000	1500	500	Reduction of flow / start temp. setpoint [1/100°C]
Fan	Set point		FlwTmpCmpStop	°C	4x0042	x.xx	AV37	x.xx	-3000	-1000	-2000	Reduction of flow / stop temp. setpoint [1/100°C]
Cooling, DX	Set point	Special	DXOutTempMin1	°C	4x0043	x.xx	AV211	x.xx	0	4000	1600	Min. outdoor temperature for activating DX relay no. 1
Cooling, DX	Set point	Special	DXOutTempMin2	°C	4x0044	x.xx	AV212	x.xx	0	4000	1600	Min. outdoor temperature for activating DX relay no. 2
Cooling, DX	Set point	Special	DXOutTempMin3	°C	4x0045	x.xx	AV213	x.xx	0	4000	1600	Min. outdoor temperature for activating DX relay no. 3
Cooling, DX	Set point	Special	DXOutTempMin4	°C	4x0046	x.xx	AV214	x.xx	0	4000	1600	Min. outdoor temperature for activating DX relay no. 4
AHU controller	Time	Standard	TimeSw-Year		4x0050	x.xx	AV38	x.xx	2000	2099		Actual year
AHU controller	Time	Standard	TimeSw-Month		4x0051	x.xx	AV39	x.xx	1	12		Actual month
AHU controller	Time	Standard	TimeSw-Date		4x0052	x.xx	AV40	x.xx	1	31		Actual date
AHU controller	Time	Standard	TimeSw-Hour	h	4x0053	x.xx	AV41	x.xx	0	23		Actual hour
AHU controller	Time	Standard	TimeSw-Minute	Min	4x0054	x.xx	AV42	x.xx	0	59		Actual minutes
AHU controller	Time	Standard	TimeSw-Second	Sec	4x0055	x.xx	AV43	x.xx	0	59		Actual seconds
AHU controller	Control		ExtDrfStartDay		4x0056	x.xx	AV44	x.xx	0	6	0	Extended operation start – day (0=Mon..6=Sun)
AHU controller	Control		ExtDrfStartMin	Min	4x0057	x.xx	AV45	x.xx	0	1439	0	Extended operation start – time (hours times 60 plus minutes)
AHU controller	Control		ExtDrfStopDay		4x0058	x.xx	AV46	x.xx	0	6	0	Extended operation stop – day (0=Mon..6=Sun)
AHU controller	Control		ExtDrfStopMin	Min	4x0059	x.xx	AV47	x.xx	0	1439	0	Extended operation stop – time (hours times 60 plus minutes)
AHU controller	Week Schedule	Standard	TimeSw-DayMode		4x0060	x.xx	AV48	x.xx	0	2	0	Timer program type (0..2)0=Mon..Sun, 1=Mon..Fri+weekend, 2=all week
AHU controller	Week Schedule	Standard	TimeSw-Start00	Min	4x0061	x.xx	AV49	x.xx	0	1439	480	Monday: First period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start01	Min	4x0062	x.xx	AV50	x.xx	0	1439	960	Tuesday: First period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start02	Min	4x0063	x.xx	AV51	x.xx	0	1439	360	Wednesday: First period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start03	Min	4x0064	x.xx	AV52	x.xx	0	1439	0	Thursday: First period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start04	Min	4x0065	x.xx	AV53	x.xx	0	1439	480	Friday: First period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start05	Min	4x0066	x.xx	AV54	x.xx	0	1439	960	Saturday: First period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start06	Min	4x0067	x.xx	AV55	x.xx	0	1439	360	Sunday: First period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start07	Min	4x0068	x.xx	AV56	x.xx	0	1439	0	Monday: Second period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start08	Min	4x0069	x.xx	AV57	x.xx	0	1439	480	Tuesday: Second period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start09	Min	4x0070	x.xx	AV58	x.xx	0	1439	960	Wednesday: Second period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start10	Min	4x0071	x.xx	AV59	x.xx	0	1439	360	Thursday: Second period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start11	Min	4x0072	x.xx	AV60	x.xx	0	1439	0	Friday: Second period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start12	Min	4x0073	x.xx	AV61	x.xx	0	1439	480	Saturday: Second period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start13	Min	4x0074	x.xx	AV62	x.xx	0	1439	960	Sunday: Second period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start14	Min	4x0075	x.xx	AV63	x.xx	0	1439	360	Monday: Third period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start15	Min	4x0076	x.xx	AV64	x.xx	0	1439	0	Tuesday: Third period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start16	Min	4x0077	x.xx	AV65	x.xx	0	1439	480	Wednesday: Third period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start17	Min	4x0078	x.xx	AV66	x.xx	0	1439	960	Thursday: Third period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start18	Min	4x0079	x.xx	AV67	x.xx	0	1439	360	Friday: Third period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start19	Min	4x0080	x.xx	AV68	x.xx	0	1439	0	Saturday: Third period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start20	Min	4x0081	x.xx	AV69	x.xx	0	1439	480	Sunday: Third period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start21	Min	4x0082	x.xx	AV70	x.xx	0	1439	960	Monday: Fourth period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start22	Min	4x0083	x.xx	AV71	x.xx	0	1439	360	Tuesday: Fourth period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start23	Min	4x0084	x.xx	AV72	x.xx	0	1439	0	Wednesday: Fourth period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start24	Min	4x0085	x.xx	AV73	x.xx	0	1439	480	Thursday: Fourth period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start25	Min	4x0086	x.xx	AV74	x.xx	0	1439	960	Friday: Fourth period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start26	Min	4x0087	x.xx	AV75	x.xx	0	1439	360	Saturday: Fourth period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Start27	Min	4x0088	x.xx	AV76	x.xx	0	1439	0	Sunday: Fourth period start time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop00	Min	4x0089	x.xx	AV77	x.xx	1	1440	960	Monday: First period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop01	Min	4x0090	x.xx	AV78	x.xx	1	1440	1440	Tuesday: First period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop02	Min	4x0091	x.xx	AV79	x.xx	1	1440	480	Wednesday: First period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop03	Min	4x0092	x.xx	AV80	x.xx	1	1440	360	Thursday: First period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop04	Min	4x0093	x.xx	AV81	x.xx	1	1440	960	Friday: First period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop05	Min	4x0094	x.xx	AV82	x.xx	1	1440	1440	Saturday: First period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop06	Min	4x0095	x.xx	AV83	x.xx	1	1440	480	Sunday: First period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop07	Min	4x0096	x.xx	AV84	x.xx	1	1440	360	Monday: Second period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop08	Min	4x0097	x.xx	AV85	x.xx	1	1440	960	Tuesday: Second period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop09	Min	4x0098	x.xx	AV86	x.xx	1	1440	1440	Wednesday: Second period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop10	Min	4x0099	x.xx	AV87	x.xx	1	1440	480	Thursday: Second period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop11	Min	4x0100	x.xx	AV88	x.xx	1	1440	360	Friday: Second period stop time [minutes after midnight]

AHU controller	Week Schedule	Standard	TimeSw-Stop12	Min	4x0101	x.xx	AV89	x.xx	1	1440	960	Saturday: Second period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop13	Min	4x0102	x.xx	AV90	x.xx	1	1440	1440	Sunday: Second period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop14	Min	4x0103	x.xx	AV91	x.xx	1	1440	480	Monday: Third period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop15	Min	4x0104	x.xx	AV92	x.xx	1	1440	360	Tuesday: Third period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop16	Min	4x0105	x.xx	AV93	x.xx	1	1440	960	Wednesday: Third period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop17	Min	4x0106	x.xx	AV94	x.xx	1	1440	1440	Thursday: Third period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop18	Min	4x0107	x.xx	AV95	x.xx	1	1440	480	Friday: Third period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop19	Min	4x0108	x.xx	AV96	x.xx	1	1440	360	Saturday: Third period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop20	Min	4x0109	x.xx	AV97	x.xx	1	1440	960	Sunday: Third period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop21	Min	4x0110	x.xx	AV98	x.xx	1	1440	1440	Monday: Fourth period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop22	Min	4x0111	x.xx	AV99	x.xx	1	1440	480	Tuesday: Fourth period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop23	Min	4x0112	x.xx	AV100	x.xx	1	1440	360	Wednesday: Fourth period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop24	Min	4x0113	x.xx	AV101	x.xx	1	1440	960	Thursday: Fourth period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop25	Min	4x0114	x.xx	AV102	x.xx	1	1440	1440	Friday: Fourth period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop26	Min	4x0115	x.xx	AV103	x.xx	1	1440	480	Saturday: Fourth period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Stop27	Min	4x0116	x.xx	AV104	x.xx	1	1440	360	Sunday: Fourth period stop time [minutes after midnight]
AHU controller	Week Schedule	Standard	TimeSw-Mode00		4x0117	x.xx	AV105	x.xx	0	6	2	Monday: First period operating mode: 0=OFF, 1=low speed, 2=high speed, 6=medium speed
AHU controller	Week Schedule	Standard	TimeSw-Mode01		4x0118	x.xx	AV106	x.xx	0	6	1	Tuesday: First period operating mode: 0=OFF, 1=low speed, 2=high speed , 6=medium speed
AHU controller	Week Schedule	Standard	TimeSw-Mode02		4x0119	x.xx	AV107	x.xx	0	6	1	Wednesday: First period operating mode: 0=OFF, 1=low speed, 2=high speed , 6=medium speed
AHU controller	Week Schedule	Standard	TimeSw-Mode03		4x0120	x.xx	AV108	x.xx	0	6	0	Thursday: First period operating mode: 0=OFF, 1=low speed, 2=high speed , 6=medium speed
AHU controller	Week Schedule	Standard	TimeSw-Mode04		4x0121	x.xx	AV109	x.xx	0	6	2	Friday: First period operating mode: 0=OFF, 1=low speed, 2=high speed , 6=medium speed
AHU controller	Week Schedule	Standard	TimeSw-Mode05		4x0122	x.xx	AV110	x.xx	0	6	1	Saturday: First period operating mode: 0=OFF, 1=low speed, 2=high speed , 6=medium speed
AHU controller	Week Schedule	Standard	TimeSw-Mode06		4x0123	x.xx	AV111	x.xx	0	6	1	Sunday: First period operating mode: 0=OFF, 1=low speed, 2=high speed , 6=medium speed
AHU controller	Week Schedule	Standard	TimeSw-Mode07		4x0124	x.xx	AV112	x.xx	0	6	0	Monday: Second period operating mode: 0=OFF, 1=low speed, 2=high speed , 6=medium speed
AHU controller	Week Schedule	Standard	TimeSw-Mode08		4x0125	x.xx	AV113	x.xx	0	6	2	Tuesday: Second period operating mode: 0=OFF, 1=low speed, 2=high speed , 6=medium 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 , 6=medium 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 , 6=medium 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 , 6=medium 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 , 6=medium 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 , 6=medium 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 , 6=medium 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 , 6=medium 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 , 6=medium 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 , 6=medium 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 , 6=medium 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 , 6=medium 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 , 6=medium 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 , 6=medium 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 , 6=medium 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 , 6=medium 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 , 6=medium 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 , 6=medium 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 , 6=medium 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 , 6=medium speed
AHU controller	Control		TempRegMode		4x0148	x.xx	AV133	x.xx	0	3	0	0=supply, 1-Extract, 2=Room, 3=supply/extract differential
AHU controller	Set point		TempRegSet	°C	4x0149	x.xx	AV134	x.xx	0	4000		Temperature setpoint for actual control type [1/100°C]
AHU controller	Set point		SupTempMinSet	°C	4x0150	x.xx	AV135	x.xx	0	4000	1000	Min. limit supply temperature [1/100°C]
AHU controller	Set point		SupTempMaxSet	°C	4x0151	x.xx	AV136	x.xx	2000	5000	3500	Max. limit supply temperature [1/100°C]
AHU controller	Set point		SupTempDiffSet	°C	4x0152	x.xx	AV137	x.xx	100	1500	300	Setpoint: Temperature differential between supply and extract. Only relevant when TempRegMode is 3 (supply/extract differential) (constant supply/extract - differential temperature control) [1/100°C]
AHU controller	Alarm		SupTempDiffAlr	°C	4x0156	x.xx	AV138	x.xx	200	1500	500	Alarm limit for temperature differential between supply setpoint and actual value [1/100°C]
Heating	Control		SupTempHeatPB	°C	4x0157	x.xx	AV139	x.xx	200	10000	750	P-band for supply air temperature control [1/100°C]
Cooling coil	Control	Standard	SupTempCool_IT	sec	4x0158	x.xx	AV140	x.xx	10	30000	700	I-time for supply cooling control [sec]
Heat exchanger	Control	Standard	SupTempEXC_IT	sec	4x0159	x.xx	AV141	x.xx	10	30000	120	I-time for supply heat exchanger control [sec]
Heating	Control	Standard	SupTempHeat_IT	sec	4x0160	x.xx	AV142	x.xx	10	30000	300	I-time for supply heating control [sec]
Fan	Control	Standard	SupTempDnRegIt	sec	4x0161	x.xx	AV143	x.xx	10	30000	120	I-time for supply flow reduction in case of low supply temperature [sec]
Heater 2	Control	Standard	SupTempHeat2IT	sec	4x0162	x.xx	NA	NA	10	30000	300	I-time for supply heating2 control [sec]
Heat pump	Control	Speciel	SupTempHP_IT	sec	4x0164	x.xx	NA	NA	10	30000	300	I-time for heat pump[sec]
Heating	Alarm		ExtTempDiffAlr	°C	4x0165	x.xx	AV144	x.xx	200	1500	500	Alarm limit for temperature differential between extract setpoint and actual value [1/100°C]
Heating	Control		ExtTempHeatPB	°C	4x0166	x.xx	AV145	x.xx	200	10000	500	P-band for extract air temperature control [1/100°C]
Cooling coil	Control	Standard	ExtTempCool_It	sec	4x0167	x.xx	AV146	x.xx	10	30000	1000	I-time for extract cooling control [sec]
Heat exchanger	Control	Standard	ExtTempEXC_It	sec	4x0168	x.xx	AV147	x.xx	10	30000	300	I-time for extract heat exchanger control [sec]
Heating	Control	Standard	ExtTempHeat_It	sec	4x0169	x.xx	AV148	x.xx	10	30000	600	I-time for extract heating control [sec]
Fan	Control	Standard	ExtTempDnRegIt	sec	4x0170	x.xx	AV149	x.xx	10	30000	300	I-time for extract flow reduction in case of low supply temperature [sec]
Heater 2	Control	Standard	ExtTempHeat2It	sec	4x0171	x.xx	NA	NA	10	30000	600	I-time for heating 2 control [sec]
Heat pump	Control	Standard	ExtTempHP_IT	sec	4x0173	x.xx	NA	NA	10	30000	600	I-time for heat pump control [sec]
AHU controller	Summer/Winter comp.	Standard	SWTC_WintX1	°C	4x0175	x.xx	AV150	x.xx	-3000	0	-1500	Summer/winter temp. comp.: low outdoor temp. setpoint, winter [1/100°C]
AHU controller	Summer/Winter comp.	Standard	SWTC_WintX2	°C	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	°C	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	°C	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	°C	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	°C	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	Summer/winter changeover: 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	Summer/Winter comp.	Standard	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	Summer/Winter comp.	Standard	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	Summer/Winter comp.	Standard	SW_MonthWintON		4x0188	x.xx	AV159	x.xx	7	12	11	Month for start of winter operation (SW_Mode = 2)
AHU controller	Summer/Winter comp.	Standard	SW_DateWintON		4x0189	x.xx	AV160	x.xx	1	31	1	Date for start of winter operation (SW_Mode = 2)
AHU controller	Summer/Winter comp.	Standard	SW_MonthSumON		4x0190	x.xx	AV161	x.xx	1	6	5	Month for start of summer operation (SW_Mode = 2)
AHU controller	Summer/Winter comp.	Standard	SW_DateSumON		4x0191	x.xx	AV162	x.xx	1	31	1	Date for start of summer operation (SW_Mode = 2)
Damper, Recirculation	Set point		RecicStartTmp	°C	4x0195	x.xx	AV163	x.xx	500	4000	1900	Startup temperature for recirculation [1/100 °C]
Damper, Recirculation	Set point		RecicStopTmp	°C	4x0196	x.xx	AV164	x.xx	500	4000	2100	Stop temperature for recirculation [1/100 °C]
AHU controller	Fire		SupTempFireAlr	°C	4x0200	x.xx	AV165	x.xx	5000	12000	8000	Setpoint for internal fire alarm in supply duct [1/100°C]
AHU controller	Fire		ExtTempFireAlr	°C	4x0201	x.xx	AV166	x.xx	3500	12000	7000	Setpoint for internal fire alarm in extract duct [1/100°C]
Cooling coil	Control	Standard	CoolFlwForcePc	%	4x0205	x.xx	AV167	x.xx	0	10000	2500	Increase in fan speed when cooling is active [%]
Cooling coil	Set point	Standard	CoolOutTmpMin	°C	4x0206	x.xx	AV168	x.xx	0	3000	1500	Min. outdoor temperature for start of cooling

Cooling coil	Set point	Standard	CoolSupMinTmp	°C	4x0207	x.xx	AV169	x.xx	0	2500	1200	Min. supply temperature when cooling is active (only with room temp. control)
AHU controller	Summer Night Cooling	Standard	SN_ExtTmpStart	°C	4x0210	x.xx	AV170	x.xx	1500	4000	2300	Summer night extract/room temp. start [1/100°C]
AHU controller	Summer Night Cooling	Standard	SN_ExtTmpStop	°C	4x0211	x.xx	AV171	x.xx	1000	3000	2000	Summer night extract/room temp. stop [1/100°C]
AHU controller	Summer Night Cooling	Standard	SN_OutTmpStart	°C	4x0212	x.xx	AV172	x.xx	500	2000	1200	Summer night outdoor temp. start [1/100°C]
AHU controller	Summer Night Cooling	Standard	SN_SupTmpSet	°C	4x0213	x.xx	AV173	x.xx	500	2000	1000	Summer night supply temp. control setpoint [1/100°C]
AHU controller	Summer Night Cooling	Standard	SN_StartTime	Min	4x0214	x.xx	AV174	x.xx	0	1439	1380	Summer night start [min]
AHU controller	Summer Night Cooling	Standard	SN_StopTime	Min	4x0215	x.xx	AV175	x.xx	0	1439	360	Summer night stop [min]
Heat exchanger	Set point	Special	CExcDelceTemp	°C	4x0220	x.xx	AV176	x.xx	-500	2000	500	Min. exhaust temp setpoint for cross-flow heat exchanger [1/100°C]
Heat exchanger	Control	Special	CExcDelceTempP	°C	4x0221	x.xx	AV177	x.xx	200	2000	500	P-band for bypass control of cross-flow heat exchanger [1/100°C]
Heat exchanger	Set point	Special	CExcDelcePress	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	Control	Special	CExcDelceTime	Sec	4x0223	x.xx	NA	NA	180	1800	300	Setpoint for duration of heat exchanger de-icing [sec]
Heat exchanger	Control	Standard	BattEXC_PumpFc		4x0225	x.xx	AV178	x.xx	0	3	1	Circulation pump mode on heat exchanger coil: 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	Control	Standard	BattEXC_PumpSt	°C	4x0226	x.xx	AV179	x.xx	0	4000	1500	Startup temp. setpoint for circulation pump on heat exchanger coil ONLY used if CoilEXC_PumpFunc (Address 224) = 2. Pump runs if outdoor temp. is < temp. setpoint for pump start
Heat exchanger	Alarm	Standard	BattEXC_AlrSet	°C	4x0227	x.xx	AV180	x.xx	-1000	2000	800	Temp. 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	Set point	Standard	Humid_SupSet	%	4x0228	x.xx	AV304	6.12	0	10000	2000	Humidity setpoint for selected control type (supply/exhaust) [1/100%] RH
Heating coil 1, Water	Set point	Standard	HW1UpStartPow	%	4x0230	x.xx	AV181	x.xx	0	10000	5000	Heating coil: Startup power setpoint [1/100%]
Heating coil 1, Water	Control	Standard	HW1PumpFunc		4x0231	x.xx	AV182	x.xx	0	3	1	Circulation pump mode on heating coil: 0 --> Pump runs constantly 1 --> Pump runs if heat demand is > 0 (AutoMode) 2 --> Pump runs if outdoor temp. is < temp. setpoint for pump start
Heating coil 1, Water	Set point	Standard	HW1PmpStartTmp	°C	4x0232	x.xx	AV183	x.xx	500	3000	1500	Startup temp. setpoint for circulation pump on heating coil ONLY used if HW_PumpFunc (Address 230) = 2 Pump runs if outdoor temp. is < temp. setpoint for pump start
Heating coil 1, Water	Set point	Standard	HW1FrzStopSet	°C	4x0233	x.xx	AV184	x.xx	500	4000	2500	Setpoint for frost protection control when unit is in STOP mode [1/100°C]
Heating coil 1, Water	Set point	Standard	HW1FrzDriftSet	°C	4x0234	x.xx	AV185	x.xx	200	2000	500	Setpoint for frost prot. control when unit is in OPERATING mode [1/100°C]
Heating coil 1, Water	Control	Standard	HW1FreezePB	°C	4x0235	x.xx	AV186	x.xx	200	2000	500	P-band for frost protection control [1/100°C]
Heating coil 1, Water	Set point	Standard	HW1FrzAlrTpSet	°C	4x0236	x.xx	AV187	x.xx	200	2000	200	Setpoint for frost protection temp. alarm [1/100°C]
Heating coil 1, Water	Set point	Standard	HW1PmpStartPrc	%	4x0237	x.xx	NA	NA	0	10000	300	Heating coil 1 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	Control	Standard	CW_PumpFunc		4x0240	x.xx	AV188	x.xx	0	3	0	Cooling water pump mode: 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	Set point	Standard	CW_PmpStartTmp	°C	4x0241	x.xx	AV189	x.xx	500	4000	2100	Temp. setpoint for start of cooling coil pump ONLY used if CW_PumpFunc (Address 239) = 2 Pump runs if outdoor temp. is > temp. setpoint for pump start
GreenZone	Set point	Standard	FanOptSupExtIn	%	4x0242	x.xx	AV223	x.xx	0	10000		External signal GreenZone, supply [1/100%]
GreenZone	Set point	Standard	FanOptExtExtIn	%	4x0243	x.xx	AV224	x.xx	0	10000		External signal GreenZone, exhaust [1/100%]
Filter	Alarm	Standard	FiltSupStatAlr	Pa	4x0245	x.xx	AV190	x.xx	10	500	80	Alarm limit for pressure drop across intake filter (static mode)
Filter	Alarm	Standard	FiltExtStatAlr	Pa	4x0246	x.xx	AV191	x.xx	10	500	80	Alarm limit for pressure drop across exhaust filter (static mode)
Filter	Alarm	Standard	FiltSupDynAlr	%	4x0247	x.xx	AV192	x.xx	1000	10000	5000	Alarm limit for pressure drop across intake filter (dynamic mode)
Filter	Alarm	Standard	FiltExtDynAlr	%	4x0248	x.xx	AV193	x.xx	1000	10000	5000	Alarm limit for pressure drop across exhaust filter (dynamic mode)
Filter	Alarm	Standard	FiltSup2StaAlr	Pa	4x0249	4.18	AV258	4.18	10	500	80	Filter Pressure Alr Limit for SupFilter2 (static mode)
AHU controller	Alarm	Standard	Alr_MailSetup		4x0250	x.xx	AV194	x.xx	0	3	3	Alarm email setup 0 --> Emails not sent 1 --> Emails sent for A-alarms 2 --> Emails sent for B-alarms 3 --> Emails sent for A and B-alarms
AHU controller	Alarm	Standard	UserRE_Func		4x0251	x.xx	AV195	x.xx	0	4	0	User RE (B-Alarm relay) Function: 0 --> B-alarm 1 --> Low speed indication 2 --> High speed indication 3 -> Medium speed indication
Preheater coil	Set point	Standard	PHStartPrc	%	4x0252	x.xx	AV206	x.xx	0	30000	5000	Pre-heating coil - Start-up output setpoint [1/100%]; when system is in start-up sequence
Preheater coil	Control	Standard	PHPumpMode		4x0253	x.xx	AV210	x.xx	0	4	0	Pre-heating coil Circulation pump function: 0 --> Pump runs constantly 1 --> Pump runs if heat output is > 0 (AutoMode) 2 --> Pump runs if outdoor temp. is > temp. setpoint for pump start
Preheater coil	Set point	Standard	PHPmpStTmpH	°C	4x0254	x.xx	AV208	x.xx	500	3000	1000	Pre-heating coil Start temperature for circulation pump of pre-heating coil. ONLY used if PHPumpMode (Address 252) = 2 Pump runs if outdoor temp. is < temp. setpoint for pump start
Preheater coil	Set point	Standard	PHStandbyTmp	°C	4x0255	x.xx	AV205	x.xx	500	4000	2500	Pre-heating coil Setpoint for frost protection control when system is in STOP mode [1/100°C]
Preheater coil	Set point	Standard	PHFrzDrSetH	°C	4x0256	x.xx	AV209	x.xx	200	2000	500	Pre-heating coil Setpoint for frost protection control when system is in OPERATING mode [1/100°C]
Preheater coil	Control	Standard	PHeatFrzPB	°C	4x0257	x.xx	AV207	x.xx	200	2000	500	Pre-heating coil P-band for frost protection control [1/100°C]
Preheater coil	Alarm	Standard	PHMinAlrFrz	°C	4x0258	x.xx	AV204	x.xx	-4000	10000	200	Pre-heating coil - Frost alarm Setpoint for frost protection temperature alarm [1/100°C]
Preheater coil	Set point	Standard	PHeatSet	°C	4x0259	x.xx	AV203	x.xx	-3000	2000	200	Pre-heating coil - Setpoint supply duct; just after pre-heating coil
Heating coil 2, Water	Set point	Standard	HW2UpStartPow	%	4x0260	x.xx	AV196	x.xx	0	10000	5000	Heating coil 2 - Start-up output setpoint [1/100%]
Heating coil 2, Water	Control	Standard	HW2PumpFunc		4x0261	x.xx	AV197	x.xx	0	3	1	Heating coil 2 Circulation pump function: 0 --> Pump runs constantly 1 -> Pump runs if heating valve %-open is > value set in address = 262 2 --> Pump runs if outdoor temp. is > temp. setpoint for pump start (address = 261)

												Heating coil 2
Heating coil 2, Water	Set point	Standard	HW2PmpStartTmp	°C	4x0262	x.xx	AV198	x.xx	500	3000	1500	Start temperature for circulation pump of heating coil 2 ONLY used if WaterPumpFunc (Address 260) = 2 Pump runs if outdoor temp. is < temp. setpoint for pump start
Heating coil 2, Water	Set point	Standard	HW2PmpStartPrc	%	4x0263	x.xx	NA	NA	0	10000	300	Heating coil 2 - Start circulation pump with %-open valve. ONLY used if HW2_PumpFunc (Address 260) = 1 The pump starts when the value is exceeded.
Heating coil 2, Water	Set point	Standard	HW2FrzStopSet	°C	4x0264	x.xx	AV199	x.xx	500	4000	2500	Heating coil 2 - Setpoint for frost protection control when unit is in STOP mode [1/100°C]
Heating coil 2, Water	Set point	Standard	HW2FrzDriftSet	°C	4x0265	x.xx	AV200	x.xx	200	2000	500	Heating coil 2 - Setpoint for frost protection control when unit is in OPERATING mode [1/100°C]
Heating coil 2, Water	Control	Standard	HW2FreezePB	°C	4x0266	x.xx	AV201	x.xx	200	2000	500	Heating coil 2 - P-band for frost protection control [1/100°C]
Heating coil 2, Water	Alarm	Standard	HW2FrzAlrTpSet	°C	4x0267	x.xx	AV202	x.xx	200	2000	200	Heating coil 2 - Setpoint for frost protection temperature alarm [1/100°C]
Cooling coil	Set point	Standard	CW_PumpStartPr	%	4x0268	x.xx	NA	NA	0	10000	2500	Cooling coil (hydronic cooling) - Start circulation pump with %-open valve ONLY used if CW_PumpFunc (Address 239) = 1. The pump starts when the value is exceeded.
Heat exchanger	Set point	Standard	BattEXCPmpStPr	%	4x0269	x.xx	NA	NA	0	10000	2500	Heat exchange coil - Start circulation pump with %-open valve. ONLY used if CoilEXC_PumpFc (Address 224) = 1. The pump starts when the value is exceeded.
Heat pump	Set point	Special	HP_MinOpTemp1	°C	4x0270	x.xx	AV215	x.xx	-4000	4000	1000	Min. outdoor temperature for activating heat pump relay no. 1
Heat pump	Set point	Special	HP_MinOpTemp2	°C	4x0271	x.xx	AV216	x.xx	-4000	4000	1000	Min. outdoor temperature for activating heat pump relay no. 2
Heat pump	Set point	Special	HP_MinOpTemp3	°C	4x0272	x.xx	AV217	x.xx	-4000	4000	1000	Min. outdoor temperature for activating heat pump relay no. 3
Heat pump	Set point	Special	HP_MinOpTemp4	°C	4x0273	x.xx	AV218	x.xx	-4000	4000	1000	Min. outdoor temperature for activating heat pump relay no. 4
Combi coil	Set point	Standard	CombiUpStPow	%	4x0275	x.xx	AV286	4.22	0	10000	5000	Combi coil - Start-up output setpoint [1/100%]
Combi coil	Control	Standard	CombiPumpFunc		4x0276	x.xx	AV287	4.22	0	3	1	Combi coil Circulation pump function: 0 --> Pump runs constantly 1 -> Pump runs if valve %-open is > value set in address = 277 2 --> Pump runs if outdoor temp. is > temp. setpoint for pump start (address = 276)
Combi coil	Set point	Standard	CombiPmpStTmpH	°C	4x0277	x.xx	AV288	4.22	500	3000	1000	Combi coil Start temperature for circulation pump of Combi coil ONLY used if CombiPumpFunc (Address 275) = 2 Pump runs if outdoor temp. is < temp. setpoint for pump start
Combi coil	Set point	Standard	CombiPmpStPrc	%	4x0278	x.xx	AV289	4.22	0	10000	300	Combi coil - Start circulation pump with %-open valve ONLY used if CombiPumpFunc (Address 275) = 1 The pump starts when the value is exceeded.
Combi coil	Set point		CombFrzStopSet	°C	4x0279	x.xx	AV290	4.22	500	4000	2500	Combi coil - Setpoint for frost protection control when system is in Stop mode [1/100°C]
Combi coil	Set point		CombFrzDrSetH	°C	4x0280	x.xx	AV291	4.22	200	2000	500	Combi coil - Setpoint for frost protection control when system is in Operating mode [1/100°C]
Combi coil	Control	Standard	CombiFrzPB	°C	4x0281	x.xx	AV292	4.22	200	2000	500	Combi coil - P-band for frost protection control [1/100°C]
Combi coil	Set point	Standard	CombiFrzAlHSet	°C	4x0282	x.xx	AV293	4.22	200	2000	200	Combi coil - Setpoint for frost protection temperature alarm [1/100°C]
Heat exchanger	Set point	Standard	BattEXCFrzStop	°C	4x0283	x.xx	AV219	x.xx	-1000	4000	2500	Fluid-coupled coil - Setpoint for frost protection control when unit is in STOP mode [1/100°C]
Heat exchanger	Set point	Standard	BattEXCFrzDrf	°C	4x0284	x.xx	AV220	x.xx	-1000	2000	500	Fluid-coupled coil - Setpoint for frost protection control when unit is in OPERATING mode [1/100°C]
Heat exchanger	Control	Standard	BattEXCFrzePB	°C	4x0285	x.xx	AV221	x.xx	200	2000	500	Fluid-coupled coil - P-band for frost protection control [1/100°C]
Heat exchanger	Set point	Standard	BattEXCFrzASet	°C	4x0286	x.xx	AV222	x.xx	-1000	2000	200	Fluid-coupled coil - Setpoint for frost protection temperature alarm [1/100°C]
Combi coil	Current value	Standard	CombiBattTemp	°C	4x0287	x.xx	NA	NA	-4000	10000		Combi coil - Actual return temperature [1/100°C]
Heating coil, Water	Control	Special	HW12VDCOutFunc		4x0288	x.xx	AV225	x.xx	0	1	0	Only special customer code: Heat coil 1, step2 output (Out 1,2): Valve actuator type 0->0-10V, 1->2-10V
Heating coil 12	Set point	Special	HW12_VDCOut	mV	4x0289	x.xx	NA	NA	0	10000		Only special customer code: Heat coil 1, step2 output (1,2) VDC out
Heating coil 12	Set point	Special	Ht2LimitTyp		4x0290	x.xx	AV229	x.xx	0	2	0	Only special customer code: Heat2 limiting type 1Room, 2 Outdoor
Heating coil 12	Set point	Special	Ht2StLimRTemp	°C	4x0291	x.xx	AV230	x.xx	-500	0	-200	Only special customer code: Startdifference temperature [1/100°C]
Heating coil 12	Set point	Special	Ht2StLimRPer	%	4x0292	x.xx	AV231	x.xx	1000	10000	2000	Only special customer code: Stepsize limiting roomtemp [1/100%]
Heating coil 12	Set point	Special	Ht2StLimOTemp	°C	4x0293	x.xx	AV232	x.xx	-2000	2000	-500	Only special customer code: Blocking of Heat2 Outdoortemp [1/100°C]
Heating coil 12	Set point	Special	Ht2SetDelTime	Sec	4x0294	x.xx	AV234	x.xx	0	7200	3600	Only special customer code: Timeset delayed Heat 2 [Sec]
Heating coil 12	Set point	Special	Ht2FlowOffset	%	4x0295	x.xx	AV233	x.xx	-5000	5000	5000	Only special customer code: in % of Flow if Heat2 is on [1/100%]
Cooling coil	Set point	Special	NO_CStopRTemp	°C	4x0296	x.xx	AV228	x.xx	0	3000	2300	Only special customer code: Stop cooling over roomtemperature [1/100°C]
Cooling coil	Set point	Special	REXDeIcePerc		4x0297	x.xx	AV226	x.xx	3000	10000	5000	Only special customer code: Pressure percent over calibration
Cooling coil	Set point	Special	NO_FAirCoolBlk	°C	4x0298	x.xx	AV227	x.xx	-4000	2000	1000	Only special customer code: Stop temperature freshair cooling [1/100°C]
Humidity	Set point	Standard	DehumSet_RH		4x0299	x.xx	AV250	x.xx	1000	10000	7000	Set point %rH dehumification [1/100%]
Damper, Recirculation	Control	Special	RecFlowShift		4x0300	x.xx	AV235	x.xx	0	2	0	Only special customer code: Set Change Airflow Recirce
Damper, Recirculation	Set point	Special	RecClosDSTTemp	°C	4x0301	x.xx	AV236	x.xx	-1000	2000	0	Only special customer code: Temperature for start with open damper [1/100°C]
Damper, Recirculation	Alarm	Special	REXAlrLPrcFrz	%	4x0302	x.xx	NA	NA	0	20000	12000	Only special customer code: Alarmlevel in percent if froozen [1/100%]
Damper, Recirculation	Alarm	Special	REXAlrLPrcDus	%	4x0303	x.xx	NA	NA	0	10000	2000	Only special customer code: Alarmlevel in percent, if dusty[1/100%]
Heating coil, Water	Control	Special	HW1RiseT100	Sec	4x0304	x.xx	NA	NA	120	7200	3600	Only special customer code: Risetime 0..100%, in sec [Sec]
Cooling, DX	Set point	Special	ROHRiseT100	Sec	4x0305	x.xx	AV237	x.xx	120	7200	3600	Only special customer code: Timeset for CO2 DX-Cooling-Aggregate from 0 ..100% [Sec]
AHU controller	Summer Night Cooling	Standard	SNSupCoolFlw	l/s	4x0306	x.xx	AV238	x.xx	0	32000	2000	Setpoint supply air volume sommernight cooling
AHU controller	Summer Night Cooling	Standard	SNExtCoolFlw	l/s	4x0307	x.xx	AV239	x.xx	0	32000	2000	Setpoint extract air volume sommernight cooling [m3/h]
AHU controller	Summer Night Cooling	Standard	SNSupCoolPa	Pa	4x0308	x.xx	AV240	x.xx	0	5000	50	Setpoint supply air pressure sommernight cooling [Pa]
AHU controller	Summer Night Cooling	Standard	SNExtCoolPa	Pa	4x0309	x.xx	AV241	x.xx	0	5000	50	Setpoint extract air pressure sommernight cooling [Pa]
AHU controller	Summer Night Cooling	Standard	SNSupCoolPrc	%	4x0310	x.xx	AV242	x.xx	0	10000	2000	Setpoint supply air constant speed sommernight cooling [1/100%]
AHU controller	Summer Night Cooling	Standard	SNExtCoolPrc	%	4x0311	x.xx	AV243	x.xx	0	10000	2000	Setpoint extract air constant speed sommernight cooling [1/100%]
AHU controller	Summer Night Cooling	Standard	SNSlvOffsPrc	%	4x0312	x.xx	AV247	x.xx	-5000	5000	0	Sommernight cooling slave offset [1/100%]
		Standard	DewCoolPower	%	4x0313	5.07	AV294	5.07	0	10000		Max % CoolPower for Dehumidity without DewPointSensor
CO2 sensor	Set point	Special	CO2_MaxModRec	ppm	4x0314	x.xx	AV248	x.xx	0	10000	1000	Only special customer code: Max CO2 (Store mode) [ppm]
CO2 sensor	Set point	Special	CO2_MinModRec	ppm	4x0315	x.xx	AV249	x.xx	0	10000	1000	Only special customer code: Min CO2 (Store mode) [ppm]
Fan	Set point	Standard	SupMedSpeedSet	l/s	4x0320	x.xx	AV251	x.xx	0	30000	5000	Setpoint supply air flow - medium speed [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)
Fan	Set point	Standard	ExtMedSpeedSet	l/s	4x0321	x.xx	AV254	x.xx	0	30000	5000	Setpoint exhaust air flow - medium speed [l/s] or [m3/h] or [CFM] (Depending on the unit selection in the OJ-Air2Master)
Pressure	Set point	Standard	SupDuctPaMeSet	Pa	4x0322	x.xx	AV252	x.xx	0	5000	120	Setpoint supply air duct pressure medium speed [Pa]
Pressure	Set point	Standard	ExtDuctPaMeSet	Pa	4x0323	x.xx	AV255	x.xx	0	5000	120	Setpoint exhaust air duct pressure medium speed [Pa]
CO2 sensor	Set point	Standard	CO2_UserSetMP	ppm	4x0324	x.xx	AV256	x.xx	0	10000	1000	CO2 controller setpoint medium speed (HI CO2 Val) [ppm]
Damper, Recirculation	Set point	Standard	RecMinFresh	%	4x0325	x.xx	AV257	x.xx	0	10000	1000	Setpoint minimum fresh air; Only if modulated recirculation is selected [1/100%]
Filter	Alarm	Standard	FiltExt2StaAlr	Pa	4x0326	4.18	AV259	4.18	10	500	80	Filter Pressure Alr Limit for ExtFilter2 (static mode)
Filter	Alarm	Standard	FiltSup2DynAlr	%	4x0327	4.18	AV260	4.18	1000	10000	5000	Filter Pressure Alr Limit for SupFilter (dynamic mode)
Filter	Alarm	Standard	FiltExt2DynAlr	%	4x0328	4.18	AV261	4.18	1000	10000	5000	Filter Pressure Alr Limit for ExtFilter (dynamic mode)
Zone 1	Set point	Standard	ZM1_RoomTmpSet		4x0329	4.19	AV262	4.19	-4000	10000		ZoneModule 1 - Room Temperature Setpoint
Zone 1	Set point	Standard	ZM1_MinSupTemp		4x0330	4.19	AV263	4.19	-4000	10000		ZoneModule 1 - Minimum Supply Temperature
Zone 1	Set point	Standard	ZM1_MaxSupTemp		4x0331	4.19	AV264	4.19	-4000	10000		ZoneModule 1 - Maximum Supply Temperature
Zone 1	Set point	Standard	ZM1_CO2Set		4x0332	4.19	AV265	4.19	0	5000		ZoneModule 1 - Room CO2 Setpoint
Zone 1	Set point	Standard	ZM1_RHSet		4x0333	4.19	AV266	4.19	0	10000		ZoneModule 1 - Room RH Setpoint
Zone 1	Set point	Standard	ZM1_PIRMinFlow		4x0334	4.19	AV267	4.19	0	0		ZoneModule 1 - VAV Supply PIR Min Air Flow
Zone 2	Set point	Standard	ZM2_RoomTmpSet		4x0335	4.19	AV268	4.19	-4000	10000		ZoneModule 2 - Room Temperature Setpoint
Zone 2	Set point	Standard	ZM2_MinSupTemp		4x0336	4.19	AV269	4.19	-4000	10000		ZoneModule 2 - Minimum Supply Temperature

Zone 2	Set point	Standard	ZM2_MaxSupTemp		4x0337	4.19	AV270	4.19	-4000	10000		ZoneModule 2 - Maximum Supply Temperature
Zone 2	Set point	Standard	ZM2_CO2Set		4x0338	4.19	AV271	4.19	0	5000		ZoneModule 2 - Room CO2 Setpoint
Zone 2	Set point	Standard	ZM2_RHSet		4x0339	4.19	AV272	4.19	0	10000		ZoneModule 2 - Room RH Setpoint
Zone 2	Set point	Standard	ZM2_PIRMinFlow		4x0340	4.19	AV273	4.19	0	0		ZoneModule 2 - VAV Supply PIR Min Air Flow
Zone 3	Set point	Standard	ZM3_RoomTmpSet		4x0341	4.19	AV274	4.19	-4000	10000		ZoneModule 3 - Room Temperature Setpoint
Zone 3	Set point	Standard	ZM3_MinSupTemp		4x0342	4.19	AV275	4.19	-4000	10000		ZoneModule 3 - Minimum Supply Temperature
Zone 3	Set point	Standard	ZM3_MaxSupTemp		4x0343	4.19	AV276	4.19	-4000	10000		ZoneModule 3 - Maximum Supply Temperature
Zone 3	Set point	Standard	ZM3_CO2Set		4x0344	4.19	AV277	4.19	0	5000		ZoneModule 3 - Room CO2 Setpoint
Zone 3	Set point	Standard	ZM3_RHSet		4x0345	4.19	AV278	4.19	0	10000		ZoneModule 3 - Room RH Setpoint
Zone 3	Set point	Standard	ZM3_PIRMinFlow		4x0346	4.19	AV279	4.19	0	0		ZoneModule 3 - VAV Supply PIR Min Air Flow
Zone 4	Set point	Standard	ZM4_RoomTmpSet		4x0347	4.19	AV280	4.19	-4000	10000		ZoneModule 4 - Room Temperature Setpoint
Zone 4	Set point	Standard	ZM4_MinSupTemp		4x0348	4.19	AV281	4.19	-4000	10000		ZoneModule 4 - Minimum Supply Temperature
Zone 4	Set point	Standard	ZM4_MaxSupTemp		4x0349	4.19	AV282	4.19	-4000	10000		ZoneModule 4 - Maximum Supply Temperature
Zone 4	Set point	Standard	ZM4_CO2Set		4x0350	4.19	AV283	4.19	0	5000		ZoneModule 4 - Room CO2 Setpoint
Zone 4	Set point	Standard	ZM4_RHSet		4x0351	4.19	AV284	4.19	0	10000		ZoneModule 4 - Room RH Setpoint
Zone 4	Set point	Standard	ZM4_PIRMinFlow		4x0352	4.19	AV285	4.19	0	0		ZoneModule 4 - VAV Supply PIR Min Air Flow
Fan	Set point	Standard	SupFixMePrcSet		4x0353	6.10	AV253	6.10	100	10000	3500	Supply Motor Mediumspeed [1/100%], Fixed Fan Speed
Fan	Set point	Standard	SupFixLoPrcSet		4x0354	6.10	AV299	6.10	100	10000	2500	Supply Motor Lowspeed [1/100%], Fixed Fan Speed
Fan	Set point	Standard	SupFixHiPrcSet		4x0355	6.10	AV300	6.10	100	10000	5000	Supply Motor Highspeed [1/100%], Fixed Fan Speed
Fan	Set point	Standard	ExtFixMePrcSet		4x0356	6.10	AV301	6.10	100	10000	3500	Extract Motor Mediumspeed [1/100%], Fixed Fan Speed
Fan	Set point	Standard	ExtFixLoPrcSet		4x0357	6.10	AV302	6.10	100	10000	2500	Extract Motor Lowspeed [1/100%], Fixed Fan Speed
Fan	Set point	Standard	ExtFixHiPrcSet		4x0358	6.10	AV303	6.10	100	10000	5000	Extract Motor Highspeed [1/100%], Fixed Fan Speed
Damper, Recirculation	Set point	Standard	RecMaxFresh		4x0359	6.10	AV304	6.10	3000	10000	10000	Max FreshAir part [1/100%]
AHU controller	Control	Standard	BMSDrfCtrlReg		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 avalable after activation of physical input "Operating mode via BMS"
Temp. out door	Current value	Standard	MBT_OutDoor	°C	4x0501	x.xx	AV245	x.xx	-6000	10000		BMS outdoor temperatur [1/100°C]
Temp. room	Current value	Standard	MBT_Room1	°C	4x0502	x.xx	AV246	x.xx	-4000	10000		BMS room temperatur [1/100°C]