

Climatix Modbus communication, Reference addresses AHU

**For standard IV Produkt AHU application, slave mode,
v4.34**





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About this document

Application

- *Modbus addresses for AHU in general, examples*
- *Modbus addresses for Counter-flow, Plate- and Run-around coil heat exchangers, examples*
- *Modbus addresses for EcoCooler and ZON, examples*

Reference Modbus addresses

- *Coil status*
- *Input states*
- *Input register*
- *Holding register*



1. About this document

1.1. Revision history

Version	Date	Software version	Changes
.01	2011-04-20		First edition
.02	2011-10-17		Addresses for Home series added
.03	2013-12-13	v2.14	Addresses for Quick menu, Home HS and Energy Analyzer added
.04	2014-12-10	v3.10, v3.14	Release (software version) added to addresses.
.05	2015-08-18		Addresses for Use of internal Modbus and Energy Watch added. Text revision of existing addresses. Examples of useful addresses added.
.06	2016-05-27		Updates for Energy Watch input register, page 29, and image AHU in general examples page 6.
.07	2017-09-28	v3.24-v3.42	Updates for ThermoCooler and more addresses added in general
.08	2017-11-07		Various minor corrections
.09	2017-12-04		Various minor corrections
.10	2017-12-08		Updated image Examples of useful Modbus addresses (3x0356, 3x0370)
.11	2017-12-29 2018-01-17		Various minor corrections
.12	2019-01-09		Updates for OJ and more addresses added in general

1.2. Before you start

1.2.1. Validity

This document applies to the following product:

Name	Type (ASN)	Version
IVP AHU application	POL63x.00/AHU	v3.x
IVP AHU application	POL64x.00/AHU	v4.x

This document is a supplement to the general integration guide for Climatix Modbus communication, slave mode. That document must be read first and all general information such as document conventions, important information on safety, trademarks, copyright etc. are valid for this document as well.

This document only contains the unique information for the product mentioned above. All general engineering information such as mounting modules, communication settings etc. are described in the integration guide.

1.2.2. Prerequisite

User has read the general Modbus integration guide for Climatix, CB1J3960en

1.3. Reference documents

1.3.1. Further information

The following documents contain additional information on the products described in this manual:

Document	Order no.
Data sheet "Communication module Modbus"	CB1Q3934en
Basic documentation "Modbus communication module"	CB1P3934en
Integration Guide "Modbus communication, slave mode"	CB1J3960en
Basic documentation "Standard Application AHU"	CB1P3977en

2. Application

2.1. General information

2.1.1. What are standard applications?

Standard applications for Climatix comprise predefined monitoring and control functions for a particular plant type. Features:

- OEM customers receive standard applications as a set of loadable files. They can be loaded in the controller via SD card.
- An HMI operator unit allows for assigning inputs and outputs to the respective plant as well as select, configure and parameterize the required functions.

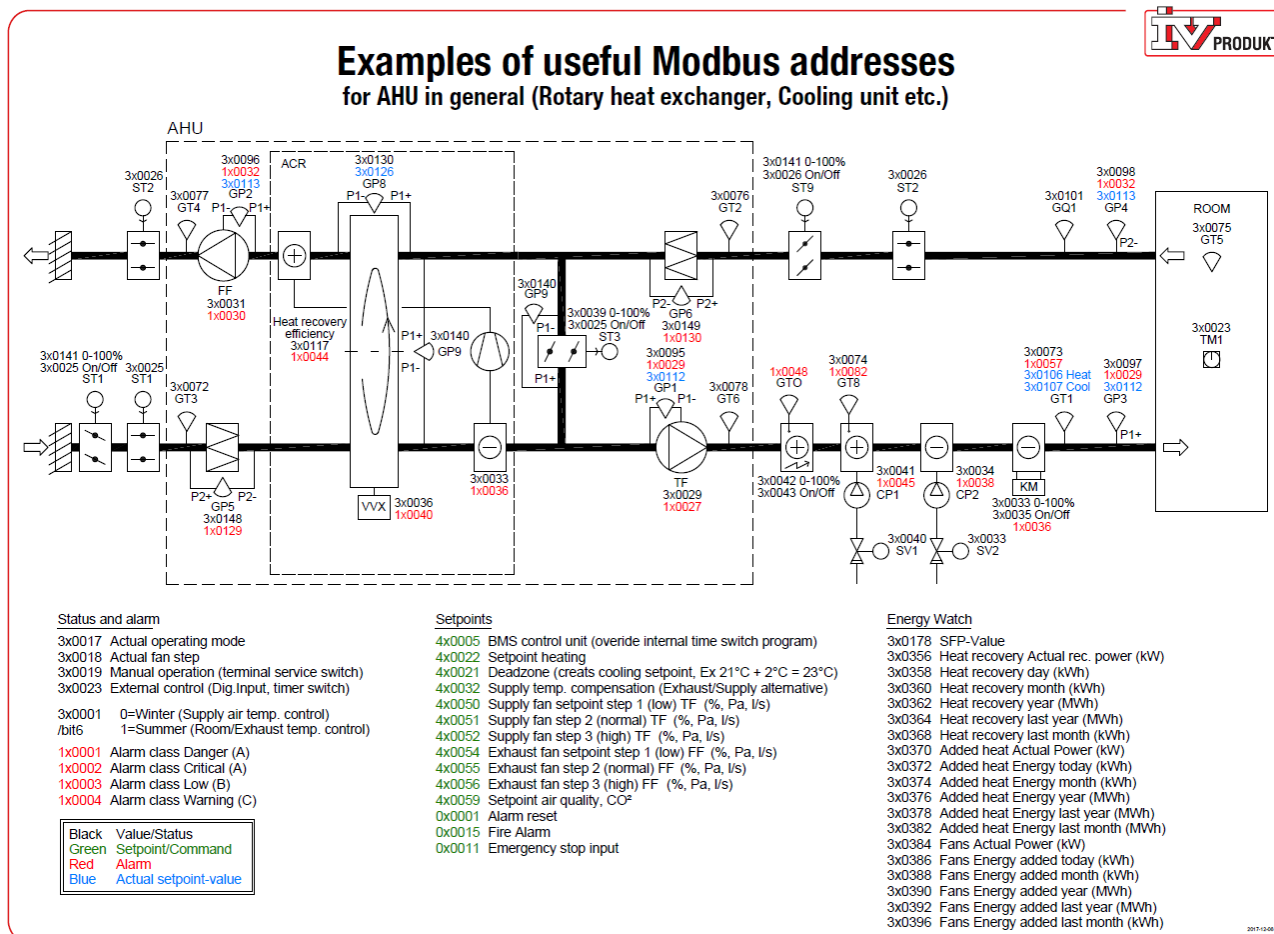
2.1.2. Standard application AHU v3.x and v4.x

Standard application AHU v3.x and v4.x is available at this time. It contains all common functions to control and monitor air conditioning units (Air Handling Units). The following diagram provides an example of selectable measured values and control equipment.

2.1.3. Modbus registers

The set of loadable files mentioned above also includes a mapping file for integration in a higher building automation and control system via communications module. The Climatix controller automatically assumes the Modbus registers required for integration as per the plant data points and functions configured and parameterized previously. The following tables list the predefined Modbus registers supporting standard application AHU v3.x and v4.x to ensure standardized and simple integration.

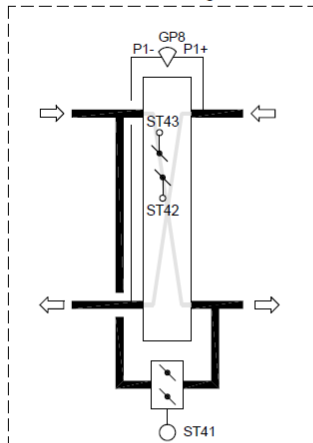
2.2. Modbus addresses for AHU in general, examples



2.3. Modbus addresses for Counter-flow, Plate- and Run-around coil heat exchangers, examples

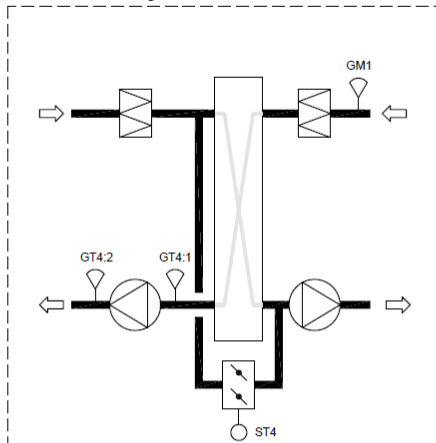
Examples of useful Modbus addresses for Counter-flow, Plate and Run-around coil heat exchangers

Counter-flow heat exchanger



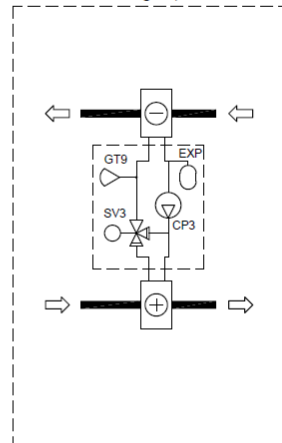
ST41 3x0036 Heat recovery output signal
ST42 3x0131 Heat recovery output signal defrost damper (factor 10)
ST43 3x0132 Heat recovery output signal defrost damper (factor 10)
GP8 3x0130 Act.pressure over Counterflow heat exchanger
3x0129 Defrost Active
3x0126 Normal pressure calculated (factor 10)
3x0127 Actual start pressure defrost (factor 10)
3x0128 Actual stop pressure defrost (factor 10)

Plate heat exchanger



ST4 3x0036 Heat recovery output signal
GM1 3x0090 Room humidity relative (%)
GT4:1 4x0148 Cold corner
GT4:2 3x0077 Extract air temperature

Coil heat exchanger (Run-around coil)

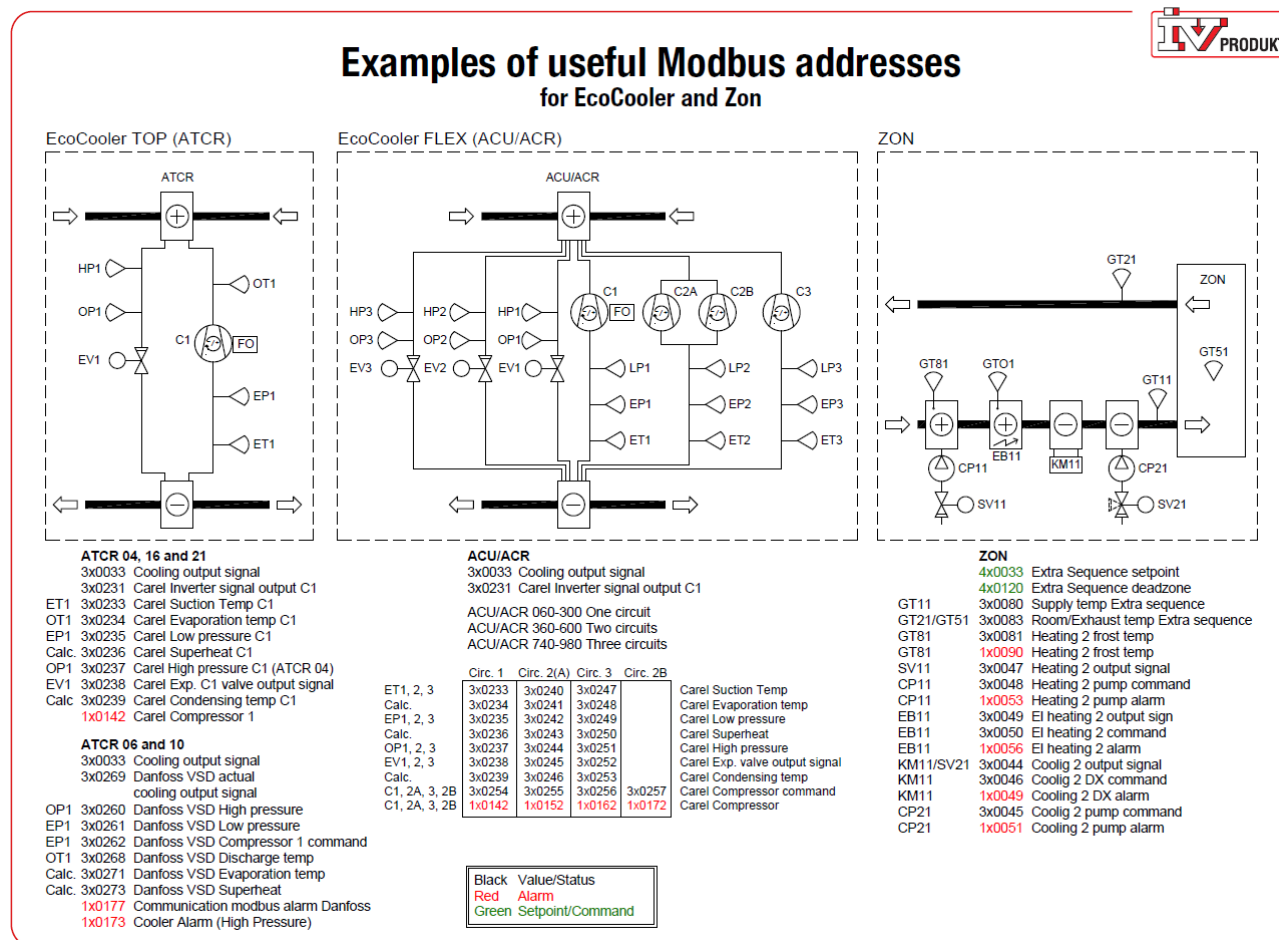


SV3 3x0036 Heat recovery output signal
CP3 3x0037 Heat recovery (pump) command
GT9 3x0079 Heat recovery water temperature
CP3 1x0041 Heat recovery pump alarm

Black Value/Status
Red Alarm

2019-05-23

2.4. Modbus addresses for EcoCooler and ZON, examples



3. Reference Modbus addresses

3.1. General

3.1.1. Purpose

This section describes the reference addresses used in the specific application, see chapter 1.2 “Before you start”.

3.1.2. Modbus data formats

Modbus type	Description	Reference	Datatype
Coil status	Read/Write Discrete output	0x	1bit
Input states	Read Discrete input	1x	1bit
Input register	Read Input register	3x	16bit, 32bit signed or unsigned word
Holding register	Read/Write Output register	4x	16bit signed or unsigned word

3.1.3. Addresses used

All reference addresses from 0001-1000 are generated and can be accessed even if not listed. As a result, multiple coils/registers can be forced/reset even if there is a gap between two reference addresses.

All address types starts with 1, and due to that some Master devices starts with 0 it's in that case necessary to subtract all addresses in this document with 1.

3.1.4. Presentation

Values and states are presented as follows:

- 16 bit real values are presented in their actual value/unit. E.g. °C, %, Pa, l/s (Normally Signed Word).
- 1 bit status are presented as 0 = Off and 1 = On.
- 16 bit states are presented as a number, see the reference address description (Unsigned Word). Texts for each state are represented in the last column separated with * (Example *OffOn = 0 = Off and 1 = On*)
- 1 bit alarms are presented as 0 = Normal and 1 = Alarm.

Alarms and status are presented both as input states and as input registers.

3.1.4.1. Examples

A real value is 215, and presented by a 16 bit register binary as: MSB 11010111 LSB.

The 16 bit register “BMS override time program” is used and set binary to state 6: MSB 00000110 LSB.

3.1.5. Decimals

When Modbus uses a 16 bit register to handle real values, a factor is needed for decimals. E.g. factor 10 for 1 decimal, factor 100 for 2 decimals, etc.

3.1.5.1. Example 1: Present values

The present supply air temperature is 20.6 °C and is multiplied by 10 in the Climatix controller. It is presented as 206 at Modbus and must be divided by 10 in the master device to return to 20.6 °C.

3.1.5.2. Example 2: Setpoints

To set the temperature setpoint 21.5°C at the master device, multiply it by 10 to present it as 215 at Modbus. The Climatix controller then divides by 10 to return to 21.5 °C.

3.1.6. Override I/Os

Inputs that are possible to override via Modbus is marked with (I/O), these must first be setup to be overridden via communication, see Integration guide.

3.2. Coil status

Adress	Description	Values / Units	Remarks	Release
0x0001	Alarm acknowledge	0-1	Off * On	
0x0002	Enable communication test	0-1	No * Yes	
0x0003	Communication test	0-1	0 * 1	
0x0004	Fire damper test	0-1	Passive * Active	
0x0007	Energy meter reset partial	0-1	. * Reset	
0x0008	Energy Watch Heat recovery (reset trip meter puls)	0-1	. * Reset	v3.14.xx
0x0009	Energy Watch Additional heat (reset trip meter puls)	0-1	. * Reset	v3.14.xx
0x0010	Energy Watch Fans (reset trip meter puls)	0-1	. * Reset	v3.14.xx
0x0011	Emergency stop input	0-1	Off * On, (I/O)	

Address	Description	Values / Units	Remarks	Release
0x0012	External control input 1	0-1	Off * On, (I/O)	
0x0013	External control input 2	0-1	Off * On, (I/O)	
0x0014	Summer/Winter changeover input	0-1	Winter * Summer, (I/O)	
0x0015	Fire alarm 1 input	0-1	OK * Alarm, (I/O)	
0x0016	Fire alarm 2 input	0-1	OK * Alarm, (I/O)	v3.10.xx
0x0017	Reset I/O to Auto	0-1	. * Execute, (I/O)	
0x0018	Shift fan manual	0-1	No * Yes	v4.38.xx

3.3. Input status

Address	Description	Values / Units	Remarks	Release
Present value				
1x0001	Alarm class Danger alarm (A) status	0-1	Normal * Alarm	
1x0002	Alarm class Critical alarm (A) status	0-1	Normal * Alarm	
1x0003	Alarm class Low alarm (B) status	0-1	Normal * Alarm	
1x0004	Alarm class Warning alarm (C) status	0-1	Normal * Alarm	
1x0005	Manual mode	0-1	Auto * Manual	
1x0006	Communication test	0-1	0 * 1	
1x0011	Emergency stop input	0-1	Off * On	
1x0012	External control input 1	0-1	Off * On	
1x0013	External control input 2	0-1	Off * On	
1x0014	Summer/Winter changeover input	0-1	Winter * Summer	
1x0015	Auxiliary digital input	0-1	Off * On	
Alarm value				
1x0020	Outside air damper feedback	0-1	OK * Alarm	

Adress	Description	Values / Units	Remarks	Release
1x0021	Exhaust air damper feedback	0-1	OK * Alarm	
1x0022	Fire damper 1 fire mode	0-1	Yes * No	
1x0023	Fire damper 1 normal mode	0-1	Yes * No	
1x0024	Fire damper 1 no move	0-1	OK * Alarm	
1x0026	Fan alarm	0-1	OK * Alarm	
1x0027	Supply fan alarm	0-1	OK * Alarm	
1x0028	Supply fan feedback	0-1	OK * Alarm	→ v.3.44.xx
1x0029	Supply fan deviation alarm	0-1	OK * Alarm	
1x0030	Exhaust fan alarm	0-1	OK * Alarm	
1x0031	Exhaust fan feedback	0-1	OK * Alarm	→ v.3.44.xx
1x0032	Exhaust fan deviation alarm	0-1	OK * Alarm	
1x0033	Fan operating hours alarm	0-1	OK * Alarm	
1x0034	Fire fan feedback	0-1	Yes * No	
1x0036	Cooling DX alarm	0-1	OK * Alarm	
1x0037	Cooling DX feedback	0-1	OK * Alarm	
1x0038	Cooling pump alarm	0-1	OK * Alarm	
1x0039	Cooling pump feedback	0-1	OK * Alarm	
1x0040	Heat recovery alarm	0-1	OK * Alarm	
1x0041	Heat recovery pump alarm	0-1	OK * Alarm	
1x0042	Heat recovery pump feedback	0-1	OK * Alarm	
1x0043	Heat recovery frost monitor	0-1	OK * Alarm	
1x0044	Heat recovery efficiency alarm	0-1	OK * Alarm	
1x0045	Heating pump alarm	0-1	OK * Alarm	
1x0046	Heating pump feedback	0-1	OK * Alarm	
1x0047	Heating frost monitor	0-1	OK * Alarm	
1x0048	Electrical heating alarm	0-1	OK * Alarm	

Adress	Description	Values / Units	Remarks	Release
1x0049	Cooling 2 DX alarm	0-1	OK * Alarm	
1x0050	Cooling 2 DX feedback	0-1	OK * Alarm	
1x0051	Cooling 2 pump alarm	0-1	OK * Alarm	
1x0052	Cooling 2 pump feedback	0-1	OK * Alarm	
1x0053	Heating 2 pump alarm	0-1	OK * Alarm	
1x0054	Heating 2 pump feedback	0-1	OK * Alarm	
1x0055	Heating 2 frost monitor	0-1	OK * Alarm	
1x0056	Electrical heating 2 alarm	0-1	OK * Alarm	
1x0057	Supply temperature deviation	0-1	OK * Alarm	
1x0058	Room temperature deviation	0-1	OK * Alarm	
1x0062	Humidifier feedback	0-1	OK * Alarm	
1x0063	Humidity pump alarm	0-1	OK * Alarm	
1x0064	Humidity pump feedback	0-1	OK * Alarm	
1x0065	Supply hum deviation	0-1	OK * Alarm	
1x0066	Room/Return hum deviation	0-1	OK * Alarm	
1x0067	Dew point	0-1	OK * Alarm	
1x0070	Filter alarm	0-1	OK * Alarm	
1x0071	Supply filter alarm	0-1	OK * Alarm (pressure switch)	
1x0072	Exhaust filter alarm	0-1	OK * Alarm (pressure switch)	
1x0073	Fire alarm 1	0-1	OK * Alarm	
1x0074	Supply temperature fire alarm	0-1	OK * Alarm	
1x0075	Exhaust temperature fire alarm	0-1	OK * Alarm	
1x0076	Auxiliary alarm 1	0-1	OK * Alarm	
1x0077	Manual mode	0-1	OK * Alarm	

Adress	Description	Values / Units	Remarks	Release
1x0078	Modbus comm alarm	0-1	OK * Alarm	→ v3.42.xx
1x0079	Processbus comm alarm	0-1	OK * Alarm	→ v3.42.xx
1x0080	Outside air temperature	0-1	OK * Alarm	
1x0081	Supply air temperature	0-1	OK * Alarm	
1x0082	Heating frost temperature	0-1	OK * Alarm	
1x0083	Room temperature	0-1	OK * Alarm	
1x0084	Room temperature 2	0-1	OK * Alarm	
1x0085	Extract air temperature	0-1	OK * Alarm	
1x0086	Exhaust air temperature	0-1	OK * Alarm	
1x0087	Heat recovery supply air temperature	0-1	OK * Alarm	
1x0088	Heat recovery water temperature	0-1	OK * Alarm	
1x0089	Supply air temperature 2	0-1	OK * Alarm	
1x0090	Heating 2 frost temperature	0-1	OK * Alarm	
1x0091	Auxiliary temperature 1	0-1	OK * Alarm	
1x0092	Outside air humidity relative	0-1	OK * Alarm	
1x0093	Supply air humidity relative	0-1	OK * Alarm	
1x0094	Room/Extract humidity relative	0-1	OK * Alarm	
1x0095	Supply air flow	0-1	OK * Alarm	
1x0096	Exhaust air flow	0-1	OK * Alarm	
1x0097	Supply air pressure	0-1	OK * Alarm	
1x0098	Exhaust air pressure	0-1	OK * Alarm	
1x0099	Heat recovery frost pressure	0-1	OK * Alarm	
1x0100	Air quality 1	0-1	OK * Alarm	
1x0101	External setpoint	0-1	OK * Alarm	
1x0102	Room unit 1	0-1	OK * Alarm	
1x0103	Room unit 2	0-1	OK * Alarm	

Adress	Description	Values / Units	Remarks	Release
1x0104	Room/Extract air temperature 2	0-1	OK * Alarm	
1x0105	Heatpump Exhaust temp	0-1	OK * Alarm	
1x0111	Zone controller	0-1	OK * Alarm	
1x0112	Aux active signal	0-1	OK * Alarm	v2.04.xx
1x0113	Pressure balance	0-1	OK * Alarm	v2.04.xx
1x0114	Supply air volume	0-1	OK * Alarm	v2.04.xx
1x0115	Return air mode	0-1	OK * Alarm	v2.04.xx
1x0116	Forcegroup 1 temp	0-1	OK * Alarm	v2.04.xx → v4.38.xx
1x0117	Forcegroup 1 Co2	0-1	OK * Alarm	v2.04.xx → v4.38.xx
1x0118	Forcegroup 2 temp	0-1	OK * Alarm	v2.04.xx → v4.38.xx
1x0119	FlexoPool pool temp	0-1	OK * Alarm	→ v4.38.xx
1x0120	Forcegroup 2 Co2	0-1	OK * Alarm	v2.04.xx → v4.38.xx
1x0121	High pressure heat recovery	0-1	OK * Alarm	v2.04.xx
1x0122	External signal Home	0-1	OK * Alarm	v2.14.xx
1x0123	Aux Temp 1	0-1	OK * Alarm	v2.14.xx
1x0124	Aux Alarm 2	0-1	OK * Alarm	v2.14.xx
1x0125	Aux Alarm 3	0-1	OK * Alarm	v2.14.xx
1x0126	Aux Alarm 4	0-1	OK * Alarm	v2.14.xx
1x0127	Aux Alarm 5	0-1	OK * Alarm	v2.14.xx
1x0128	Aux Alarm 6	0-1	OK * Alarm	v2.14.xx
1x0129	Supply filter alarm	0-1	OK * Alarm (pressure sensor)	v2.14.xx
1x0130	Exhaust filter alarm	0-1	OK * Alarm (pressure sensor)	v2.14.xx
1x0131	Heat recovery cold corner	0-1	OK * Alarm	v2.14.xx
1x0132	Fire Alarm 2	0-1	OK * Alarm	v3.10.xx

Adress	Description	Values / Units	Remarks	Release
1x0133	FlexoPool Emergency heating	0-1	OK * Alarm	v3.10.xx
1x0134	Air quality 2	0-1	OK * Alarm	v3.10.xx
1x0135	Air quality 3	0-1	OK * Alarm	v3.10.xx
1x0136	Air quality 4	0-1	OK * Alarm	v3.10.xx
1x0137	External setpoint Supply fan	0-1	OK * Alarm	v3.10.xx
1x0138	External setpoint Exhaust fan	0-1	OK * Alarm	v3.10.xx
1x0139	Exhaust filter Fire Alarm	0-1	OK * Alarm	v3.10.xx
1x0140	Supply filter Fire Alarm	0-1	OK * Alarm	v3.10.xx
1x0141	Carel General Alarm	0-1	OK * Alarm	v3.10.xx
1x0142	Carel Compressor 1	0-1	OK * Alarm	v3.10.xx
1x0143	Carel Motor expansion valve C1	0-1	OK * Alarm	v3.10.xx
1x0144	Carel Low pressure C1	0-1	OK * Alarm	v3.10.xx
1x0145	Carel Suction Temp C1	0-1	OK * Alarm	v3.10.xx
1x0146	Carel High pressure C1	0-1	OK * Alarm	v3.10.xx
1x0147	Carel Low super heat C1	0-1	OK * Alarm	v3.10.xx
1x0148	Carel Low evaporation temp C1	0-1	OK * Alarm	v3.10.xx
1x0149	Carel MOP C1	0-1	OK * Alarm	v3.10.xx
1x0150	Carel EVD communication C1	0-1	OK * Alarm	v3.10.xx
1x0151	Carel Low suction temp C1	0-1	OK * Alarm	v3.10.xx
1x0152	Carel Compressor 2	0-1	OK * Alarm	v3.10.xx
1x0153	Carel Motor expansion valve 2	0-1	OK * Alarm	v3.10.xx
1x0154	Carel Low pressure C2	0-1	OK * Alarm	v3.10.xx
1x0155	Carel Suction Temp C2	0-1	OK * Alarm	v3.10.xx
1x0156	Carel High pressure C2	0-1	OK * Alarm	v3.10.xx
1x0157	Carel Low super heat C2	0-1	OK * Alarm	v3.10.xx
1x0158	Carel Low evaporation temp C2	0-1	OK * Alarm	v3.10.xx



Adress	Description	Values / Units	Remarks	Release
1x0159	Carel MOP C2	0-1	OK * Alarm	v3.10.xx
1x0160	Carel EVD communication C2	0-1	OK * Alarm	v3.10.xx
1x0161	Carel Low suction temp C2	0-1	OK * Alarm	v3.10.xx
1x0162	Carel Compressor 3	0-1	OK * Alarm	v3.10.xx
1x0163	Carel Motor expansion valve C3	0-1	OK * Alarm	v3.10.xx
1x0164	Carel Low pressure C3	0-1	OK * Alarm	v3.10.xx
1x0165	Carel Suction Temp C3	0-1	OK * Alarm	v3.10.xx
1x0166	Carel High pressure C3	0-1	OK * Alarm	v3.10.xx
1x0167	Carel Low super heat C3	0-1	OK * Alarm	v3.10.xx
1x0168	Carel Low temp evaporation C3	0-1	OK * Alarm	v3.10.xx
1x0169	Carel MOP C3	0-1	OK * Alarm	v3.10.xx
1x0170	Carel EVD communication C3	0-1	OK * Alarm	v3.10.xx
1x0171	Carel Low suction temp C3	0-1	OK * Alarm	v3.10.xx
1x0172	Carel Compressor 2B	0-1	OK * Alarm	v3.10.xx
1x0173	Danfoss VSD Cooler	0-1	OK * Alarm	v3.10.xx
1x0174	Modbus Local manual mode Fans	0-1	OK * Alarm	v3.10.xx
1x0175	Modbus Carel	0-1	OK * Alarm	v3.10.xx
1x0176	Modbus Energy meter	0-1	OK * Alarm	v3.10.xx
1x0177	Modbus Danfoss	0-1	OK * Alarm	v3.10.xx
1x0178	Modbus Exhaust fan	0-1	OK * Alarm	v3.10.xx
1x0179	Modbus Supply fan	0-1	OK * Alarm	v3.10.xx
1x0180	Modbus sensor	0-1	OK * Alarm	v3.10.xx
1x0181	Energy Watch Alarm Heat Diff	0-1	OK * Alarm	v3.14.xx
1x0182	Air Quality 2 Sensors	0-1	OK * Alarm	v3.42.xx
1x0183	Aux Temp 2	0-1	OK * Alarm	v3.24.xx
1x0184	Aux Temp 3	0-1	OK * Alarm	v3.24.xx



Adress	Description	Values / Units	Remarks	Release
1x0185	Aux Temp 4	0-1	OK * Alarm	v3.24.xx
1x0186	Aux Temp 5	0-1	OK * Alarm	v3.24.xx
1x0187	Aux Temp 6	0-1	OK * Alarm	v3.24.xx
1x0188	Temp Room 1	0-1	OK * Alarm	v3.40.xx
1x0189	Temp Room 2	0-1	OK * Alarm	v3.40.xx
1x0190	Temp Room 3	0-1	OK * Alarm	v3.40.xx
1x0191	Temp Room 4	0-1	OK * Alarm	v3.40.xx
1x0192	Temp Room 5	0-1	OK * Alarm	v3.40.xx
1x0193	Temp Room 6	0-1	OK * Alarm	v3.40.xx
1x0194	Air Quality Room 1	0-1	OK * Alarm	v3.40.xx
1x0195	Air Quality Room 2	0-1	OK * Alarm	v3.40.xx
1x0196	Air Quality Room 3	0-1	OK * Alarm	v3.40.xx
1x0197	Air Quality Room 4	0-1	OK * Alarm	v3.40.xx
1x0198	Air Quality Room 5	0-1	OK * Alarm	v3.40.xx
1x0199	Air Quality Room 6	0-1	OK * Alarm	v3.40.xx
1x0200	Humidity Room 1	0-1	OK * Alarm	v3.40.xx
1x0201	Humidity Room 2	0-1	OK * Alarm	v3.40.xx
1x0202	Humidity Room 3	0-1	OK * Alarm	v3.40.xx
1x0203	Humidity Room 4	0-1	OK * Alarm	v3.40.xx
1x0204	Humidity Room 5	0-1	OK * Alarm	v3.40.xx
1x0205	Humidity Room 6	0-1	OK * Alarm	v3.40.xx
1x0206	Temp Room 7	0-1	OK * Alarm	v3.40.xx
1x0207	Air Quality Room 7	0-1	OK * Alarm	v3.40.xx
1x0208	Humidity Room 7	0-1	OK * Alarm	v3.40.xx
1x0209	OJ Supply Fan A Alarm	0-1	OK * Alarm	v3.49.xx
1x0210	OJ Supply Fan A Warning	0-1	OK * Alarm	v3.49.xx

Adress	Description	Values / Units	Remarks	Release
1x0211	OJ Supply Fan B Alarm	0-1	OK * Alarm	v3.49.xx
1x0212	OJ Supply Fan B Warning	0-1	OK * Alarm	v3.49.xx
1x0213	OJ Exhaust Fan A Alarm	0-1	OK * Alarm	v3.49.xx
1x0214	OJ Exhaust Fan A Warning	0-1	OK * Alarm	v3.49.xx
1x0215	OJ Exhaust Fan B Alarm	0-1	OK * Alarm	v3.49.xx
1x0216	OJ Exhaust Fan B Warning	0-1	OK * Alarm	v3.49.xx
1x0217	OJ Heat Recovery Alarm	0-1	OK * Alarm	v4.07.xx
1x0218	OJ Heat Recovery Warning	0-1	OK * Alarm	v4.07.xx
1x0219	Communication Heat recovery	0-1	OK * Alarm	v4.07.xx
1x0220	OJ Supply Fan C Alarm	0-1	OK * Alarm	v4.25.xx
1x0221	OJ Supply Fan C Warning	0-1	OK * Alarm	v4.25.xx
1x0222	OJ Exhaust Fans C Alarm	0-1	OK * Alarm	v4.25.xx
1x0223	OJ Exhaust Fans C Warning	0-1	OK * Alarm	v4.25.xx
1x0224	Fire damper 2 fire mode	0-1	Yes * No	v4.34.xx
1x0225	Fire damper 2 normal mode	0-1	Yes * No	v4.34.xx
1x0226	Fire damper 2 no move	0-1	OK * Alarm	v4.34.xx
1x0430	Communication Main unit	0-1	OK * Alarm	v4.34.xx
1x0431	Communication Parallel unit 1	0-1	OK * Alarm	v4.34.xx
1x0432	Communication Parallel unit 2	0-1	OK * Alarm	v4.34.xx
1x0433	Communication Parallel unit 3	0-1	OK * Alarm	v4.34.xx
1x0434	Communication Parallel unit 4	0-1	OK * Alarm	v4.34.xx
1x0435	Parallel unit 1 Alm. High	0-1	OK * Alarm	v4.34.xx
1x0436	Parallel unit 1 Alm. Low	0-1	OK * Alarm	v4.34.xx
1x0437	Parallel unit 2 Alm. High	0-1	OK * Alarm	v4.34.xx
1x0438	Parallel unit 2 Alm. Low	0-1	OK * Alarm	v4.34.xx

Adress	Description	Values / Units	Remarks	Release
1x0439	Parallel unit 3 Alm. High	0-1	OK * Alarm	v4.34.xx
1x0440	Parallel unit 3 Alm. Low	0-1	OK * Alarm	v4.34.xx
1x0441	Parallel unit 4 Alm. High	0-1	OK * Alarm	v4.34.xx
1x0442	Parallel unit 4 Alm. Low	0-1	OK * Alarm	v4.34.xx
1x0443	Heating flow temp	0-1	OK * Alarm	v4.34.xx
1x0444	Heating 2 flow temp	0-1	OK * Alarm	v4.34.xx
1x0445	Cooling flow temp	0-1	OK * Alarm	v4.34.xx
1x0446	Cooling return temp	0-1	OK * Alarm	v4.34.xx
1x0447	Cooling 2 flow temp	0-1	OK * Alarm	v4.34.xx
1x0448	Cooling 2 return temp	0-1	OK * Alarm	v4.34.xx
1x0600	Z1 External control	0-1	OK * Alarm	v4.34.xx
1x0605	Z1 Supply air temp	0-1	OK * Alarm	v4.34.xx
1x0606	Z1 Extract air temp	0-1	OK * Alarm	v4.34.xx
1x0607	Z1 Heating frost temp	0-1	OK * Alarm	v4.34.xx
1x0608	Z1 Room temp	0-1	OK * Alarm	v4.34.xx
1x0609	Z1 Heating alarm	0-1	OK * Alarm	v4.34.xx
1x0610	Z1 EI heating alarm	0-1	OK * Alarm	v4.34.xx
1x0611	Z1 Cooling alarm	0-1	OK * Alarm	v4.34.xx
1x0612	Z1 Air quality	0-1	OK * Alarm	v4.34.xx
1x0613	Z1 Humidity	0-1	OK * Alarm	v4.34.xx
1x0614	Z1 External setpoint	0-1	OK * Alarm	v4.34.xx
1x0615	Z1 Cooling pump feedback	0-1	OK * Alarm	v4.34.xx
1x0616	Z1 Cooling DX feedback	0-1	OK * Alarm	v4.34.xx
1x0617	Z1 Heatingpump feedback	0-1	OK * Alarm	v4.34.xx
1x0618	Z1 Supply temp deviation	0-1	OK * Alarm	v4.34.xx



Adress	Description	Values / Units	Remarks	Release
1x0619	Z1 Room/Extr. temp deviation	0-1	OK * Alarm	v4.34.xx
1x0630	Z2 External control	0-1	OK * Alarm	v4.34.xx
1x0635	Z2 Supply air temp	0-1	OK * Alarm	v4.34.xx
1x0636	Z2 Extract air temp	0-1	OK * Alarm	v4.34.xx
1x0637	Z2 Heating frost temp	0-1	OK * Alarm	v4.34.xx
1x0638	Z2 Room temp	0-1	OK * Alarm	v4.34.xx
1x0639	Z2 Heating alarm	0-1	OK * Alarm	v4.34.xx
1x0640	Z2 EI heating alarm	0-1	OK * Alarm	v4.34.xx
1x0641	Z2 Cooling alarm	0-1	OK * Alarm	v4.34.xx
1x0642	Z2 Air quality	0-1	OK * Alarm	v4.34.xx
1x0643	Z2 Humidity	0-1	OK * Alarm	v4.34.xx
1x0644	Z2 External setpoint	0-1	OK * Alarm	v4.34.xx
1x0645	Z2 Cooling pump feedback	0-1	OK * Alarm	v4.34.xx
1x0646	Z2 Cooling DX feedback	0-1	OK * Alarm	v4.34.xx
1x0647	Z2 Heatingpump feedback	0-1	OK * Alarm	v4.34.xx
1x0648	Z2 Supply temp deviation	0-1	OK * Alarm	v4.34.xx
1x0649	Z2 Room/Extr. temp deviation	0-1	OK * Alarm	v4.34.xx
1x0660	Z3 External control	0-1	OK * Alarm	v4.34.xx
1x0665	Z3 Supply air temp	0-1	OK * Alarm	v4.34.xx
1x0666	Z3 Extract air temp	0-1	OK * Alarm	v4.34.xx
1x0667	Z3 Heating frost temp	0-1	OK * Alarm	v4.34.xx
1x0668	Z3 Room temp	0-1	OK * Alarm	v4.34.xx
1x0669	Z3 Heating alarm	0-1	OK * Alarm	v4.34.xx
1x0670	Z3 EI heating alarm	0-1	OK * Alarm	v4.34.xx

Adress	Description	Values / Units	Remarks	Release
1x0671	Z3 Cooling alarm	0-1	OK * Alarm	v4.34.xx
1x0672	Z3 Air quality	0-1	OK * Alarm	v4.34.xx
1x0673	Z3 Humidity	0-1	OK * Alarm	v4.34.xx
1x0674	Z3 External setpoint	0-1	OK * Alarm	v4.34.xx
1x0675	Z3 Cooling pump feedback	0-1	OK * Alarm	v4.34.xx
1x0676	Z3 Cooling DX feedback	0-1	OK * Alarm	v4.34.xx
1x0677	Z3 Heatingpump feedback	0-1	OK * Alarm	v4.34.xx
1x0678	Z3 Supply temp deviation	0-1	OK * Alarm	v4.34.xx
1x0679	Z3 Room/Extr. temp deviation	0-1	OK * Alarm	v4.34.xx
1x0690	Z4 External control	0-1	OK * Alarm	v4.34.xx
1x0695	Z4 Supply air temp	0-1	OK * Alarm	v4.34.xx
1x0696	Z4 Extract air temp	0-1	OK * Alarm	v4.34.xx
1x0697	Z4 Heating frost temp	0-1	OK * Alarm	v4.34.xx
1x0698	Z4 Room temp	0-1	OK * Alarm	v4.34.xx
1x0699	Z4 Heating alarm	0-1	OK * Alarm	v4.34.xx
1x0700	Z4 EI heating alarm	0-1	OK * Alarm	v4.34.xx
1x0701	Z4 Cooling alarm	0-1	OK * Alarm	v4.34.xx
1x0702	Z4 Air quality	0-1	OK * Alarm	v4.34.xx
1x0703	Z4 Humidity	0-1	OK * Alarm	v4.34.xx
1x0704	Z4 External setpoint	0-1	OK * Alarm	v4.34.xx
1x0705	Z4 Cooling pump feedback	0-1	OK * Alarm	v4.34.xx
1x0706	Z4 Cooling DX feedback	0-1	OK * Alarm	v4.34.xx
1x0707	Z4 Heatingpump feedback	0-1	OK * Alarm	v4.34.xx
1x0708	Z4 Supply temp deviation	0-1	OK * Alarm	v4.34.xx
1x0709	Z4 Room/Extr. temp deviation	0-1	OK * Alarm	v4.34.xx



Adress	Description	Values / Units	Remarks	Release
1x0720	Z5 External control	0-1	OK * Alarm	v4.34.xx
1x0725	Z5 Supply air temp	0-1	OK * Alarm	v4.34.xx
1x0726	Z5 Extract air temp	0-1	OK * Alarm	v4.34.xx
1x0727	Z5 Heating frost temp	0-1	OK * Alarm	v4.34.xx
1x0728	Z5 Room temp	0-1	OK * Alarm	v4.34.xx
1x0729	Z5 Heating alarm	0-1	OK * Alarm	v4.34.xx
1x0730	Z5 El heating alarm	0-1	OK * Alarm	v4.34.xx
1x0731	Z5 Cooling alarm	0-1	OK * Alarm	v4.34.xx
1x0732	Z5 Air quality	0-1	OK * Alarm	v4.34.xx
1x0733	Z5 Humidity	0-1	OK * Alarm	v4.34.xx
1x0734	Z5 External setpoint	0-1	OK * Alarm	v4.34.xx
1x0735	Z5 Cooling pump feedback	0-1	OK * Alarm	v4.34.xx
1x0736	Z5 Cooling DX feedback	0-1	OK * Alarm	v4.34.xx
1x0737	Z5 Heatingpump feedback	0-1	OK * Alarm	v4.34.xx
1x0738	Z5 Supply temp deviation	0-1	OK * Alarm	v4.34.xx
1x0739	Z5 Room/Extr. temp deviation	0-1	OK * Alarm	v4.34.xx

3.4. Input register

Adress	Description	Values / Units	Remarks	Release
Unsigned Word				



Adress	Description	Values / Units	Remarks	Release
3x0001	General status (Word 1)	0-65535	0-1 for each bit or counted binary to a decimal number	
Bit0	Alarm class danger (A)			
Bit1	Alarm class critical (A)			
Bit2	Alarm class low (B)			
Bit3	Alarm class warning (C)			
Bit4	.			
Bit5	Manual control active			
Bit6	Summer mode			
Bit7	Communication test puls			
Bit8	Preheating, heating register			
Bit9	Preheating, extra heating register			
Bit10	.			
Bit11	Actual control mode temp, room			
Bit12	Actual control mode temp, exhaust			
Bit13	Actual control mode temp, supply			
Bit14	Actual control mode humidity, room/Ret			
Bit15	Actual control mode humidity, supply			
3x0002	General status (Word 2)	0-65535	0-1 for each bit or counted binary to a decimal number	
Bit0	.			
Bit1	.			
Bit2	.			
Bit3	.			
Bit4	.			
Bit5	.			
Bit6	Cooling recovery (MECH) active			
Bit7	.			
Bit8	.			
Bit9	.			
Bit10	.			
Bit11	.			
Bit12	.			
Bit13	.			
Bit14	.			
Bit15	.			



Adress	Description	Values / Units	Remarks	Release
3x0003	General status (Word 3)	0-65535	0-1 for each bit or counted binary to a decimal number	
Bit0	.			
Bit1	.			
Bit2	.			
Bit3	.			
Bit4	.			
Bit5	.			
Bit6	.			
Bit7	.			
Bit8	.			
Bit9	.			
Bit10	.			
Bit11	.			
Bit12	.			
Bit13	.			
Bit14	.			
Bit15	.			
3x0004	General status (Word 4)	0-65535	0-1 for each bit or counted binary to a decimal number	
Bit0	.			
Bit1	.			
Bit2	.			
Bit3	.			
Bit4	.			
Bit5	.			
Bit6	.			
Bit7	.			
Bit8	.			
Bit9	.			
Bit10	.			
Bit11	.			
Bit12	.			
Bit13	.			
Bit14	.			
Bit15	.			



Adress	Description	Values / Units	Remarks	Release
3x0005	Digital inputs (Word 1)	0-65535	0-1 for each bit or counted binary to a decimal number	
Bit0	Emergency stop			
Bit1	External control 1			
Bit2	External control 2			
Bit3	Summer/winter changeover			
Bit4	Alarm acknowledge			
Bit5	.			
Bit6	.			
Bit7	.			
Bit8	Aux input			
Bit9	.			
Bit10	.			
Bit11	.			
Bit12	.			
Bit13	.			
Bit14	.			
Bit15	.			
3x0006	Digital inputs (Word 2)	0-65535	0-1 for each bit or counted binary to a decimal number	
Bit0	Dampers open			
Bit1	Fire dampers open			
Bit2	Fire dampers closed			
Bit3	.			
Bit4	Supply fan feedback			
Bit5	Exhaust fan feedback			
Bit6	.			
Bit7	.			
Bit8	.			
Bit9	.			
Bit10	.			
Bit11	Fire dampers 2 open			
Bit12	Fire dampers 2 closed			
Bit13	.			
Bit14	.			
Bit15	.			



Adress	Description	Values / Units	Remarks	Release
3x0007	Digital inputs (Word 3)	0-65535	0-1 for each bit or counted binary to a decimal number	
Bit0	.			
Bit1	.			
Bit2	.			
Bit3	.			
Bit4	.			
Bit5	.			
Bit6	.			
Bit7	.			
Bit8	.			
Bit9	.			
Bit10	.			
Bit11	.			
Bit12	.			
Bit13	.			
Bit14	.			
Bit15	.			
3x0008	Digital inputs (Word 4)	0-65535	0-1 for each bit or counted binary to a decimal number	
Bit0	.			
Bit1	.			
Bit2	.			
Bit3	.			
Bit4	.			
Bit5	.			
Bit6	.			
Bit7	.			
Bit8	.			
Bit9	.			
Bit10	.			
Bit11	.			
Bit12	.			
Bit13	.			
Bit14	.			
Bit15	.			



Adress	Description	Values / Units	Remarks	Release
3x0009	Digital outputs (Word 1)	0-65535	0-1 for each bit or counted binary to a decimal number	
Bit0	Supply damper			
Bit1	Extract damper			
Bit2	Fire damper			
Bit3	Fire damper 2			
Bit4	Supply fan, running			
Bit5	Supply fan, off			
Bit6	Supply fan, stage 1			
Bit7	Supply fan, stage 2			
Bit8	Supply fan, stage 3			
Bit9	Exhaust fan, running			
Bit10	Exhaust fan, off			
Bit11	Exhaust fan, stage 1			
Bit12	Exhaust fan, stage 2			
Bit13	Exhaust fan, stage 3			
Bit14	.			
Bit15	.			
3x0010	Digital outputs (Word 2)	0-65535	0-1 for each bit or counted binary to a decimal number	
Bit0	Cooling pump			
Bit1	Cooling DX, off			
Bit2	Cooling DX, stage 1			
Bit3	Cooling DX, stage 2			
Bit4	Cooling DX, stage 3			
Bit5	.			
Bit6	Heating recovery pump/command			
Bit7	.			
Bit8	Heating pump			
Bit9	.			
Bit10	Electrical heating, off			
Bit11	Electrical heating, stage 1			
Bit12	Electrical heating, stage 2			
Bit13	Electrical heating, stage 3			
Bit14	.			
Bit15	.			



Adress	Description	Values / Units	Remarks	Release
3x0011	Digital outputs (Word 3)	0-65535	0-1 for each bit or counted binary to a decimal number	
Bit0	Extra cooling (2) pump			
Bit1	Extra cooling (2) DX, off			
Bit2	Extra cooling (2) DX, stage 1			
Bit3	Extra cooling (2) DX, stage 2			
Bit4	Extra cooling (2) DX, stage 3			
Bit5	.			
Bit6	Extra heating (2) pump			
Bit7	.			
Bit8	Extra electrical heating (2), off			
Bit9	Extra electrical heating (2), stage 1			
Bit10	Extra electrical heating (2), stage 2			
Bit11	Extra electrical heating (2), stage 3			
Bit12	.			
Bit13	Humidity command			
Bit14	Humidity pump			
Bit15	.			
3x0012	Digital outputs (Word 4)	0-65535	0-1 for each bit or counted binary to a decimal number	
Bit0	Aux TSP command			
Bit1	Aux operation mode indication			
Bit2	.			
Bit3	.			
Bit4	.			
Bit5	.			
Bit6	.			
Bit7	.			
Bit8	Alarm output, high (and low)			
Bit9	Alarm output, low			
Bit10	.			
Bit11	.			
Bit12	.			
Bit13	.			
Bit14	.			
Bit15	.			



Adress	Description	Values / Units	Remarks	Release
3x0013	Alarms (Word 1)	0-65535	0-1 for each bit or counted binary to a decimal number	
Bit0	Dampers			
Bit1	Fire dampers			
Bit2	Fire dampers 2			
Bit3	Supply fan			
Bit4	Exhaust fan			
Bit5	Fan operating hours			
Bit6	Fire fan			
Bit7	.			
Bit8	Cooling			
Bit9	.			
Bit10	Heating recovery			
Bit11	Heating recovery pump			
Bit12	Heating recovery frost			
Bit13	Heating recovery efficiency			
Bit14	Heating recovery damper			
Bit15	.			
3x0014	Alarms (Word 2)	0-65535	0-1 for each bit or counted binary to a decimal number	
Bit0	Heating pump			
Bit1	Heating frost			
Bit2	Electrical heating			
Bit3	.			
Bit4	Extra cooling (2)			
Bit5	.			
Bit6	Extra heating (2)			
Bit7	Extra heating (2) frost			
Bit8	Extra electrical heating (2)			
Bit9	.			
Bit10	Humidity pump			
Bit11	Humidity command			
Bit12	.			
Bit13	Fire alarm			
Bit14	.			
Bit15	Filter alarm			

Adress	Description	Values / Units	Remarks	Release
3x0015	Alarms (Word 3)	0-65535	0-1 for each bit or counted binary to a decimal number	
Bit0	Out temperature			
Bit1	Supply temperature			
Bit2	Heating frost temperature			
Bit3	Room1 temperature			
Bit4	Room2 temperature			
Bit5	Exhaust temperature (Return)			
Bit6	Extract temperature			
Bit7	Heating recovery supply temperature			
Bit8	Heating recovery water temperature			
Bit9	Extra supply temperature (2)			
Bit10	Extra heati (2) frost temp/Heatpump			
Bit11	Extr			
Bit12	Auxiliary temperature			
Bit13	Extra room/return temperature (2)			
Bit14	Room units			
Bit15	Supply temperature deviation			
	Room/Exhaust temperature deviation			
3x0016	Alarms (Word 4)	0-65535	0-1 for each bit or counted binary to a decimal number	
Bit0	Supply pressure/flow and deviation			
Bit1	Exhaust pressflow and deviation			
Bit2	.			
Bit3	Outside humidity			
Bit4	Supply humidity and deviation			
Bit5	Room/Ret humidity and deviation			
Bit6	Dewpoint			
Bit7	.			
Bit8	Air quality			
Bit9	External setpoint			
Bit10	Auxiliary alarm			
Bit11	.			
Bit12	Manual control			
Bit13	.			
Bit14	Communication test			
Bit15	Modbus master, Processbus, Zone controller			
Present value, Unsigned Word				

Adress	Description	Values / Units	Remarks	Release
3x0017	Operating mode (Word 5) 0 = Off 1 = On 2 = Economy 3 = Return Air (N/A before v3.48.xx) 4 = Osstp 5 = Nightcooling 6 = Unoccupied (Temperature start) 7 = Nightkick (Test temperature) 8 = Firedamper test 9 = Fire 10 = Stop 11 = Overrun 12 = Startup	0-12	Off * On/Comfort * Economy * Return Air * Osstp * Nightcooling * Unoccupied (Temperature start) * Nightkick (Test temperature) * Firedamper test * Fire * Stop * Overrun * Startup	
3x0018	Actual fan step	0-3	Off * Step 1 * Step 2 * Step 3	
3x0019	SERVICE SWITCH	0-4	Auto * Off * Step 1 * Step 2 * Step 3	v4.34.xx
		0-1	Auto * Off	v2.14.xx
3x0020	SERVICE SWITCH	0-7	Auto * Off * Eco St1 * Comf St1 * Eco St2 * Comf St2 * Eco St3 * Comf St3 * Comf St3	v4.34.xx
		0-1	Auto * Off	v2.14.xx
			Only one of Manual operation is used depending on configuration	
3x0021	Actual time switch program (steps)	0-3	Off * Stage1 * Stage2 * Stage3	
3x0022	Actual time switch program (steps/ temperature)	0-6	Off * Eco St1 * Comf St1 * Eco St2 * Comf St2 * Eco St3 * Comf St3 (Only one of TSP is used depending on configuration)	
3x0023	Act Opmode ext ctrl	0-3	Auto * Off * Step 1 * Step 2 * Step 3	

Adress	Description	Values / Units	Remarks	Release
3x0024	Fire damper 1 state	0-3	Not Defined * Fire * No feedback * Normal	
3x0025	Outside air damper command	0-1	Off * On	
3x0026	Exhaust air damper command	0-1	Off * On	
3x0027	Fire damper 1 command	0-1	Off * On	
3x0028	Supply fan command	1-4	Off * Step 1 * Step 2 * Step 3	
3x0029	Supply fan output signal	0 - 100%		
3x0030	Exhaust fan command	1-4	Off * Step 1 * Step 2 * Step 3	
3x0031	Exhaust fan output signal	0 - 100%		
3x0032	Fire fan command	0-1	Off * On	
3x0033	Cooling output signal	0 - 100%		
3x0034	Cooling pump command	0-1	Off * On	
3x0035	Cooling DX command	1-4	Off * Step 1 * Step 2 * Step 3	
3x0036	Heat recovery output signal	0 - 100%		
3x0037	Heat recovery (pump) command	0-1	Off * On	
3x0038	Heat recovery damper output signal	0 - 100%		
3x0039	Heat recovery damper recovery value	0 - 100%		
3x0040	Heating output signal	0 - 100%		
3x0041	Heating pump command	0-1	Off * On	
3x0042	Electrical heating output signal	0 - 100%		
3x0043	Electrical heating command	1-4	Off * Step 1 * Step 2 * Step 3	
3x0044	Cooling 2 output signal	0 - 100%	Off * Step 1 * Step 2 * Step 3	
3x0045	Cooling 2 pump command	0-1	Off * On	



Adress	Description	Values / Units	Remarks	Release
3x0046	Cooling 2 DX command	1-4	Off * Step 1 * Step 2 * Step 3	
3x0047	Heating 2 output signal	0 - 100%		
3x0048	Heating 2 pump command	0-1	Off * On	
3x0049	Electrical heating 2 output signal	0 - 100%	Off * Step 1 * Step 2 * Step 3	
3x0050	Electrical heating 2 command	1-4	Off * Step 1 * Step 2 * Step 3	
3x0051	By-pass damper	0 - 100%		v4.34.xx
3x0052	Humidifier output signal	0 - 100%		
3x0053	Humidifier command	0-1	Off * On	
3x0054	Humidifier pump command	0-1	Off * On	
3x0055	Actual dehumidity value	0 - 100%		
3x0056	Heat recovery damper output signal	0 - 100%		
3x0057	Auxiliary operation mode output	0-1	Off * On	
3x0058	Auxiliary Command	0-1	Off * On	
3x0059	Auxiliary analog output fan	0 - 100%		
3x0060	Alarm output 1	0-1	Normal * Alarm	
3x0061	Alarm output 2	0-1	Normal * Alarm	
3x0064	Actual airquality comp	0 - 100%		
3x0065	Actual fan cooling value	0 - 100%		
3x0066	Actual fan heating value	0 - 100%		
3x0067	Actual fan comp temperature	0 - 100%		
3x0068	Actual fan comp hum	0 - 100%		
3x0069	Actual summer comp fan	0 - 100%		
3x0070	Actual winter comp fan	0 - 100%		
Present value, Signed Word				

Adress	Description	Values / Units	Remarks	Release
3x0072	Outside air temperature	-x.y - +x.y °C	(factor 10)	
3x0073	Supply air temperature	-x.y - +x.y °C	(factor 10)	
3x0074	Heating frost temperature	-x.y - +x.y °C	(factor 10)	
3x0075	Actual room temperature	-x.y - +x.y °C	(factor 10)	
3x0076	Extract air temperature	-x.y - +x.y °C	(factor 10)	
3x0077	Exhaust air temperature	-x.y - +x.y °C	(factor 10)	
3x0078	Heat recovery supply air temp	-x.y - +x.y °C	(factor 10)	
3x0079	Heat recovery water temperature	-x.y - +x.y °C	(factor 10)	
3x0080	Supply air temperature Ex seq	-x.y - +x.y °C	(factor 10)	
3x0081	Heating 2 frost temperature	-x.y - +x.y °C	(factor 10)	
3x0082	Auxiliary temperature 1	-x.y - +x.y °C	(factor 10)	
3x0083	Room/Return temperature Ex seq	-x.y - +x.y °C	(factor 10)	
3x0084	Outside air hum relative	0 - x %rH		
3x0085	Outside air hum absolute	-x.y - +x.y g/kg	(factor 10)	
3x0086	Outside air enthalpy	-x.y - +x.y kJ/kg	(factor 10)	
3x0087	Supply air hum relative	0 - x %rH		
3x0088	Supply air hum absolute	-x.y - +x.y g/kg	(factor 10)	
3x0089	Supply air enthalpy	-x.y - +x.y kJ/kg	(factor 10)	

Adress	Description	Values / Units	Remarks	Release
3x0090	Room/Extract humidity relative	0 - x %rH		
3x0091	Room/Extract humidity absolute	-x.y - +x.y g/kg	(factor 10)	
3x0092	Room/return enthalpy	-x.y - +x.y kJ/kg	(factor 10)	
3x0093	Dew point	-x.y - +x.y °C	(factor 10)	
3x0095	Supply air flow	0 - x l/s (If m3/s or m3/h use 3x0188)	Unsigned word	
3x0096	Exhaust air flow	0 - x l/s (If m3/s or m3/h use 3x0189)	Unsigned word	
3x0097	Supply air pressure	0 - x Pa	Unsigned word	
3x0098	Extract air pressure	0 - x Pa	Unsigned word	
3x0099	Heat recovery frost pressure	0 - x Pa		
3x0101	Air quality 1	0 - x ppm		
3x0102	External setpoint	-x.y - +x.y °C	(factor 10)	
3x0104	Actual heating setpoint, Main (depending on actual controlmode)	-x.y - +x.y °C	(factor 10)	
3x0105	Actual cooling setpoint, Main (depending on actual controlmode)	-x.y - +x.y °C	(factor 10)	
3x0106	Actual supply heating setpoint (when use of cascade control)	-x.y - +x.y °C	(factor 10)	
3x0107	Actual supply cooling setpoint (when use of cascade control)	-x.y - +x.y °C	(factor 10)	
3x0108	Actual humidity setpoint, Main (depending on actual controlmode)	x.y - x.y	(factor 10) %r.H. or g/kg	
3x0109	Actual dehumidity setpoint, Main (depending on actual controlmode)	x.y - x.y	(factor 10) %r.H. or g/kg	

Adress	Description	Values / Units	Remarks	Release
3x0110	Actual supply humidity setpoint (when use of cascade control)	x.y - x.y	(factor 10) %r.H. or g/kg	
3x0111	Actual dehumity setpoint, Main (depending on actual controlmode)	x.y - x.y	(factor 10) %r.H. or g/kg	
3x0112	Actual supply fan setpoint	0 - x	%, Pa, l/s, 3m/s or 3m/h Unsigned word	
3x0113	Actual exhaust fan setpoint	0 - x	%, Pa, l/s, 3m/s or 3m/h Unsigned word	
3x0115	Actual summer comp temperature	-x.y - +x.y °C	(factor 10)	
3x0116	Actual winter comp temperature	-x.y - +x.y °C	(factor 10)	
3x0117	Heat recovery efficiency	0 - 100%		
3x0118	Cooling recovery (MECH) active	0 - 1	Passive * Active	
3x0119	FlexoPool pool temperature	-x.y - +x.y °C	(factor 10)	
3x0120	CG Energy actual power	0 - +x.y W	Unsigned word	v3.40.xx
3x0121	CG Energy average power	0 - +x.y W	Unsigned word	v3.40.xx
3x0122	CG Energy operating hours	0 - +x.y h	Unsigned word	v3.40.xx
3x0123	CG Energy partial	0 - +x.y kWh	Unsigned word	v3.40.xx
3x0124	CG Energy total	0 - +x.y kWh	Unsigned word	v3.40.xx
3x0125	Aux analog input signal	0 - 100%	(factor 10)	v2.04.xx
3x0126	Normal Pressure calculated	0 - x Pa	(factor 10)	v2.04.xx
3x0127	Actual setup defrost higer	0 - x Pa	(factor 10)	v2.04.xx
3x0128	Actual setup defrost lower	0 - x Pa	(factor 10)	v2.04.xx
3x0129	Defrosting active	0 - 1	off – active (factor 10)	v2.04.xx
3x0130	Actual pressure over heat recovery	0 - x Pa	(factor 10)	v2.04.xx
3x0131	Heat recovery output signal S1	0 - 100%	(factor 10)	v2.04.xx

Adress	Description	Values / Units	Remarks	Release
3x0132	Heat recovery output signal S2	0 - 100%	(factor 10)	v2.04.xx
3x0133	Return air mode	0 - 1	off – on (factor 10)	v2.04.xx
3x0134	Forcegroup 1 temp	-x.y - +x.y °C	(factor 10)	v2.04.xx → v4.34.xx
3x0135	Forcegroup 1 Co2	-x.yy - +x.yy ppm	(factor 10)	v2.04.xx → v4.34.xx
3x0136	Forcegroup 1 Damper output signal	0 - 100%	(factor 10)	v2.04.xx → v4.34.xx
3x0137	Forcegroup 2 temp	-x.y - +x.y °C	(factor 10)	v2.04.xx → v4.34.xx
3x0138	Forcegroup 2 Co2	-x.yy - +x.yy ppm	(factor 10)	v2.04.xx → v4.34.xx
3x0139	Forcegroup 2 Damper output signal	0 - 100%	(factor 10)	v2.04.xx → v4.34.xx
3x0140	Pressure balance	0 - x Pa	(factor 10)	v2.04.xx
3x0141	Pressure balance Damper output signal	0 - 100%	(factor 10)	v2.04.xx
3x0142	Aux operation mode output 2	0 - 1	off – on (factor 10)	v2.04.xx
3x0143	Supply air volume	0 – x Mm ³	(factor 10)	v2.04.xx
3x0144	External signal Home	0 - 100%	(factor 10)	v2.14.xx
3x0145	Aux.thermostat	-x.y - +x.y °C	(factor 10)	v2.14.xx
3x0146	Aux.thermostat	0 - 1	off – on (factor 10)	v2.14.xx
3x0147	Sensible Effect	x.y - +x.y kW	(factor 10)	v2.14.xx
3x0148	Supply filter alarm	0 - x Pa	(factor 10)	v2.14.xx
3x0149	Extract filter alarm	0 - x Pa	(factor 10)	v2.14.xx
3x0150	Continuous run	0-3	No * Stage 1 * Stage 2 * Stage 3	v2.14.xx

Address	Description	Values / Units	Remarks	Release
3x0151	Continuous run	0-6	No * Eco St1 * Comf St1 * Eco St2 * Comf St2 * Eco St3 * Comf St3 (Only one of Manual switch is used depending on configuration)	v2.14.xx
3x0152	Min. Heat recovery Setpoint	0 - 100%	(factor 10)	v2.14.xx
3x0153	Red. Heat recovery Defrost	0 - 100%	(factor 10)	v2.14.xx
3x0154	Home Defrost Outside air temp X1	-x.y - +x.y °C	(factor 10)	v2.14.xx
3x0155	Home Defrost Outside air temp X2	-x.y - +x.y °C	(factor 10)	v2.14.xx
3x0156	Heat recovery Y1	0 - 100%	(factor 10)	v2.14.xx
3x0157	Heat recovery Y2	0 - 100%	(factor 10)	v2.14.xx
3x0158	Heat Recovery Dewpoint outdoor temp active	-x.y - +x.y °C	(factor 10)	v2.14.xx
3x0159	Heat Recovery Dewpoint deadzone	-x.y - +x.y °C	(factor 10)	v2.14.xx
3x0160	Heat Recovery Dewpoint	-x.y - +x.y °C	(factor 10)	v2.14.xx
3x0161	Heat Recovery actual dew point setpoint	-x.y - +x.y °C	(factor 10)	v2.14.xx
Unsigned long 32bit, each address also uses the next/following address				
3x0162	CG Energy actual power	x.y - +x.y W	(factor 10) 32-bit	v2.14.xx
3x0164	CG Energy average power	x.y - +x.y W	(factor 10) 32-bit	v2.14.xx
3x0166	CG Energy operating hours	x.y - +x.y h	(factor 10) 32-bit	v2.14.xx
3x0168	CG Energy partial	x.y - +x.y kWh	(factor 10) 32-bit	v2.14.xx

Adress	Description	Values / Units	Remarks	Release
3x0170	CG Energy total	x.y - +x.y kWh	(factor 10) 32-bit	v2.14.xx
Present value, Signed Word				
3x0172	Extra heating group Actual summer comp temperature	-x.y - +x.y °C	(factor 10)	v3.10.xx
3x0173	Extra heating group Actual winter comp temperature	-x.y - +x.y °C	(factor 10)	v3.10.xx
3x0174	FlexoPool HeatPump command	0 - 1	Off * On Unsigned word	v3.10.xx
3x0175	FlexoPool HeatPump block	0 - 2	Off * On * Block Unsigned word	v3.10.xx
3x0176	Actual damper comp. humidity	0 - 100%	(factor 10)	v3.10.xx
3x0177	FlexoPool Damper heating	0 - 100%	(factor 10)	v3.10.xx
3x0178	SFP present value	0 - x	kW/(m3/s) (factor 10)	v3.10.xx
3x0179	Air quality 2	0 - x ppm		v3.10.xx
3x0180	Air quality 3	0 - x ppm		v3.10.xx
3x0181	Air quality 4	0 - x ppm		v3.10.xx
3x0182	External actual supply fan setpoint	0 - x	(factor 10) %, Pa or l/s	v3.10.xx
3x0183	External actual exhaust fan setpoint	0 - x	(factor 10) %, Pa or l/s	v3.10.xx
3x0184	Heating frost protection Actual setpoint	-x.y - +x.y °C	(factor 10)	v3.10.xx
3x0185	Heating 2 frost protection actual setpoint	-x.y - +x.y °C	(factor 10)	v3.10.xx
3x0186	Room temperature	-x.y - +x.y °C	(factor 10)	v3.10.xx
3x0187	Room temperature 2	-x.y - +x.y °C	(factor 10)	v3.10.xx
Present value, Unsigned Word				
3x0188	Supply air flow m3/s	0 - x.y m3/s	Unsigned word (factor 100)	v3.15.xx-

Adress	Description	Values / Units	Remarks	Release
3x0189	Extract air flow m3/s	0 – x.y m3/s	Unsigned word (factor 100)	v3.15.xx-
3x0191	Supply air flow m3/h	0 - x.yy m3/h	Unsigned long (32-bit)(factor 1)	v3.15.xx-
3x0193	Extract air flow m3/h	0 – x.yy m3/h	Unsigned long (32-bit)(factor 1)	v3.15.xx-
3x0188	Supply air flow m3/h	0-x m3/h	Unsigned word	v3.10.xx-v3.14.xx
3x0189	Supply air flow m3/s	0-x m3/s	Unsigned word	v3.10.xx-v3.14.xx
3x0190	Extract air flow m3/h	0-x m3/h	Unsigned word	v3.10.xx-v3.14.xx
3x0191	Extract air flow m3/s	0-x m3/s	Unsigned word	v3.10.xx-v3.14.xx
3x0197	Actual air quality comp 2	0 – x ppm	Unsigned word	v3.24.xx
Present value, Signed Word				
3x0198	Air quality 2 sensor 1	-x.y - +x.y ppm	(factor 10)	v3.24.xx
Present value, Unsigned Word				
3x0199	Actual operating status	0-16	0 = NU 1 = Configuration 2 = Fire Alarm 3 = Alarm Class 0 4 = Emergency Stop 5 = Alarm Class 1 6 = FireDampTest 7 = External Control 8 = BMS 9 = Manual Operation Mode 10 = Room Unit Operation Mode 11 = Time switch program 12 = Boost 13 = Night Heating/ Cooling 14 = Night Cooling 15 = Test 16 = Service	→ v3.48.xx

Adress	Description	Values / Units	Remarks	Release
3x0199	Actual operating status	0-16	0 = Service 1 = Configuration 2 = Fire Alarm 3 = Danger alarm 4 = Emergency Stop 5 = Critical alarm 6 = FireDampTest 7 = External Control 8 = BMS 9 = Continuous 10 = Room Unit 11 = Time schedule 12 = Boost 13 = Heating/ Cooling/Co2 14 = Night Cooling 15 = Test 16 = Standby	→ v3.49.xx
3x0200	Actual room unit mode	0-4	Auto * Comfort * Standby * Economy * Off	
Present value, Signed Word				
3x0210	Actual room unit setpoint	-x.y - +x.y K/°C	(factor 10)	
3x0211	Room unit 1 temperature	-x.y - +x.y °C	(factor 10)	
3x0212	Room unit 2 temperature	-x.y - +x.y °C	(factor 10)	
3x0215	Actual heating setpoint Ex seq, Main (depending on actual controlmode)	-x.y - +x.y °C	(factor 10)	
3x0216	Actual cooling setpoint Ex seq, Main (depending on actual controlmode)	-x.y - +x.y °C	(factor 10)	
3x0217	Actual supply heating setpoint Ex seq (when use of cascade control)	-x.y - +x.y °C	(factor 10)	
3x0218	Actual supply cooling setpoint Ex seq (when use of cascade control)	-x.y - +x.y °C	(factor 10)	
3x0219	Actual control mode Ex seq	0-2	Room * Exhaust * Supply Unsigned word	

Adress	Description	Values / Units	Remarks	Release
3x0221	Heat Pump Exhaust temp	-x.y - +x.y °C	(factor 10)	
3x0222	Supply filter calculated Initial pressure drop	-x.y - +x.y Pa	(factor 10)	v3.49
3x0223	Extract filter calculated Initial pressure drop	-x.y - +x.y Pa	(factor 10)	v3.49
3x0224	Actual supply filter pressure drop Limit	-x.y - +x.y Pa	(factor 10)	v3.49
3x0225	Actual extract filter pressure drop Limit	-x.y - +x.y Pa	(factor 10)	v3.49
Present value, Signed Word				
3x0230	Carel_ACUACR Ain Cooling Demand	0 -100%	(factor 10)	v3.10.xx - 4v34.xx
3x0231	Carel ACUACR Inverter signal output C1	0 -100%	(factor 10)	v3.10.xx
3x0232	Carel unit status	0-9	Unsigned word 0 = Waiting 1 = Unit On 2 = Off by ALARM 3 = Off by NET 4 = Off by BMS 5 = Off by SCHEDULE 6 = Off by DIN 7 = Off by KEY 8 = Manual 9 = Not	v3.10.xx
3x0233	Suction temp EEV C1	-x.y - +x.y °C	(factor 10)	v3.10.xx
3x0234	Evaporation temp EEV C1 Evaporation temp C1	-x.y - +x.y °C	(factor 10)	v3.10.xx
3x0235	Low pressure EEV C1	x.y - +x.y Bar	(factor 10)	v3.10.xx
3x0236	Superheat C1	-x.y - +x.y K	(factor 10)	v3.10.xx
3x0237	High pressure C1	x.y - +x.y Bar	(factor 10)	v3.10.xx
3x0238	Expansionvalve C1	0 -100%	(factor 10)	v3.10.xx

Adress	Description	Values / Units	Remarks	Release
3x0239	Condensing temp C1	-x.y - +x.y °C	(factor 10)	v3.10.xx
3x0240	Carel ACUACR Suction Temp C2	-x.y - +x.y °C	(factor 10)	v3.10.xx
3x0241	Evaporation temp EEV C2	-x.y - +x.y °C	(factor 10)	v3.10.xx
3x0242	Low pressure EEV C2	x.y - +x.y Bar	(factor 10)	v3.10.xx
3x0243	Superheat C2	-x.y - +x.y K	(factor 10)	v3.10.xx
3x0244	High pressure C2	x.y - +x.y Bar	(factor 10)	v3.10.xx
3x0245	Expansionvalve C2	0 -100%	(factor 10)	v3.10.xx
3x0246	Condensing temp C2	-x.y - +x.y °C	(factor 10)	v3.10.xx
3x0247	Suction temp EEV C3	-x.y - +x.y °C	(factor 10)	v3.10.xx
3x0248	Evaporation temp EEV C3	-x.y - +x.y °C	(factor 10)	v3.10.xx
3x0249	Low pressure EEV C3	x.y - +x.y Bar	(factor 10)	v3.10.xx
3x0250	Superheat C3	x.y - +x.y Bar	(factor 10)	v3.10.xx
3x0251	High pressure C3	x.y - +x.y Bar	(factor 10)	v3.10.xx
3x0252	Expansionvalve C3	0 -100%	(factor 10)	v3.10.xx
3x0253	Condensing temp C3	x.y - +x.y Bar	(factor 10)	v3.10.xx
Present value, Unsigned Word				
3x0254	Compressor 1 output	0 -1	Off * On	v3.10.xx
3x0255	Compressor 2 output	0 -1	Off * On	v3.10.xx
3x0256	Compressor 3 output	0 -1	Off * On	v3.10.xx
3x0257	Compressor 4 output	0 -1	Off * On	v3.10.xx

Adress	Description	Values / Units	Remarks	Release
3x0258	Compressor number	0 -4	None * Comp1 * Comp2 * Comp3 * Comp4	v3.10.xx
Present value, Signed Word				
3x0260	Danfoss VSD High pressure	x.y - +x.y Bar	(factor 10)	v3.10.xx
3x0261	Danfoss VSD Low pressure	x.y - +x.y Bar	(factor 10)	v3.10.xx
Present value, Unsigned Word				
3x0262	Danfoss VSD Compressor 1 command	0 -1	Off * On	v3.10.xx
3x0263	Danfoss VSD Cooler Status	0-31	0 = Normal 3 = Crankhouse heating 4 = Control Start-up 5 = Control oil return 6 = Restart time 28 = Derating active 29 = Safe mode active 30 = Alarm active 31 = Alarm trip lock active Other values between are not in use	v3.10.xx

Adress	Description	Values / Units	Remarks	Release
3x0264	Danfoss VSD Alarm	0-32	0 = No alarm 1 = Peripherals error 2 = Out of envelope 3 = Over current 4 = DC link voltage high 5 = Drive temp high 6 = Supply Voltage Low 7 = Discharge Temperature High 8 = Discharge Temperature Invalid 9 = OEM Communication Timeout 10 = MOC Safety 11 = DC Link Voltage Low 12 = Suction Pressure Invalid 13 = Condenser Pressure Invalid 14 = Condenser Pressure Low 15 = Defrosting Timeout 16 = Restart too frequently 32 = Internal Error Other values between are not in use	v3.10.xx
3x0265	Danfoss VSD Safe mode	0-4	0 = Ok 1 = EEV indoor failure 2 = EEV outdoor failure 3 = Ambient temperature invalid 4 = Ambient temperature not updated	v3.10.xx
Present value, Signed Word				

Adress	Description	Values / Units	Remarks	Release
3x0266	Danfoss VSD Limit	0-7	0 = No 1 = Drive temperature high 2 = Discharge temp high 3 = Suction pressure low 5 = Condenser pressure low 6 = Condenser pressure high 7 = Output power limit Other values between are not in use	v3.10.xx
Present value, Signed Word				
3x0267	Danfoss VSD Compressor frequency	0 – x.y Hz	(factor 10)	v3.10.xx
3x0268	Danfoss VSD Discharge temp	-x.y - +x.y °C	(factor 10)	v3.10.xx
3x0269	Danfoss VSD Actual cooling output	0 -100%	(factor 10)	v3.10.xx
3x0270	Danfoss VSD Suction Temp	-x.y - +x.y °C	(factor 10)	v3.10.xx
3x0271	Danfoss VSD Evaporation temp	-x.y - +x.y °C	(factor 10)	v3.10.xx
3x0272	Danfoss VSD Actual superheat reference setpoint	-x.y - +x.y K	(factor 10)	v3.10.xx
3x0273	Danfoss VSD Superheat	-x.y - +x.y K	(factor 10)	v3.10.xx
3x0274	Danfoss VSD Expansion valve output signal	0 -100%	(factor 10)	v3.10.xx
3x0275	Danfoss VSD Inverter temp	-x.y - +x.y °C	(factor 10)	v3.10.xx
3x0276	Danfoss VSD Supply voltage	0 – x.y V	(factor 10)	v3.10.xx
3x0277	Danfoss VSD Compressor power	0 – x.y kW	(factor 10)	v3.10.xx
3x0278	Danfoss VSD DC link voltage	0 – x.y V	(factor 10)	v3.10.xx

Adress	Description	Values / Units	Remarks	Release
3x0279	Danfoss VSD Phase A current	0 – x.y A	(factor 10)	v3.10.xx
3x0280	Danfoss VSD Phase B current	0 – x.y A	(factor 10)	v3.10.xx
3x0281	Danfoss VSD Phase C current	0 – x.y A	(factor 10)	v3.10.xx
3x0285	Danfoss/Ziehl Supply fan A Alarm Warning number	0 - x	Unsigned word	v3.10.xx
3x0286	Danfoss Supply fan A Warning	0-1	Ok * Fault Unsigned word	v3.10.xx
Present value, Signed Word				
3x0287	Danfoss/Ziehl Supply fan A Current	0 – x.y A	(factor 10)	v3.10.xx
3x0288	Danfoss Supply fan A Energy	0 – x.y kWh	(factor 10)	v3.10.xx
3x0289	Danfoss/Ziehl Supply fan A Motor voltage	0 – x.y V	(factor 10)	v3.10.xx
3x0290	Danfoss Supply fan A Operating hours	0 – x h	(factor 10)	v3.10.xx
3x0291	Danfoss Supply fan A Output frequency	0 – x.y Hz	(factor 10)	v3.10.xx
3x0292	Danfoss/Ziehl Supply fan A Power	0 – x.y kW	(factor 10)	v3.10.xx
3x0293	Ziehl Supply fan A Speed	0 – x.y rpm	(factor 10)	v3.10.xx
3x0294	Danfoss/Ziehl Supply fan A Heat sink temp	-x.y - +x.y °C	(factor 10)	v3.10.xx
3x0295	Danfoss Supply fan B Alarm Warning number	0 – x	Unsigned word	v3.10.xx
3x0296	Danfoss Supply fan B Warning	0-1	Ok * Fault Unsigned word	v3.10.xx
3x0297	Danfoss Supply fan B Current	0-1	(factor 10)	v3.10.xx
3x0298	Danfoss Supply fan B Energy	0 – x.y A	(factor 10)	v3.10.xx
3x0299	Danfoss Supply fan B Motor voltage	0 – x.y kWh	(factor 10)	v3.10.xx
3x0300	Danfoss Supply fan B Operating hours	0 – x h	(factor 10)	v3.10.xx

Adress	Description	Values / Units	Remarks	Release
3x0301	Danfoss Supply fan B Output frequency	0 – x.y Hz	(factor 10)	v3.10.xx
3x0302	Danfoss Supply fan B Power	0 – x.y kW	(factor 10)	v3.10.xx
3x0303	Danfoss Supply fan B Speed	0 – x.y rpm	(factor 10)	v3.10.xx
3x0304	Danfoss Supply fan B Heat sink temp	-x.y - +x.y °C	(factor 10)	v3.10.xx
3x0305	Danfoss/Ziehl Supply fan A DC link voltage	0 – x.y V	(factor 10)	v3.40.xx
3x0306	Ebm Supply fan A Alarm	0-12	Unsigned word 0 = Nu 1 = Mains Over Volt 2 = Mains Under Volt 3 = DC-link Under Volt 4 = DC link Over Volt 5 = Internal Electronics 6 = Locked 7 = Hall Sensor 8 = Overheat 9 = Communication Error 10 = Power Overheat 11 = Phase Fail 12 = Normal	v3.10.xx

Adress	Description	Values / Units	Remarks	Release
3x0307	Ebm Supply fan A Warning	0-11	Unsigned word 0 = Nu 1 = Open circuit at input 2 = Actual speed less than low limit 3 = Brake operation 4 = Low DC-link voltage 5 = High electronics temp 6 = High motor temp 7 = High output stage temp 8 = Mesh power limitation 9 = High line impedance 10 = Mesh current limitation 11 = Normal	v3.10.xx
3x0308	Ebm Supply fan A DC link current	0 - x.y A	(factor 10)	v3.10.xx
3x0309	Ebm Supply fan A DC link voltage	0 - x.y V	(factor 10)	v3.10.xx
3x0310	Ebm Supply fan A Speed	0 - x.y rpm	(factor 10)	v3.10.xx
3x0311	Ebm Supply fan A Max speed	0 - x.y rpm	(factor 10)	v3.10.xx
3x0312	Ebm Supply fan A Motor temp	-x.y - +x.y °C	(factor 10)	v4.34.xx
3x0313	Ebm Supply fan A Motor temp	-x.y - +x.y °C	(factor 10)	v3.10.xx–v3.37.xx
3x0314	Ebm Supply fan A Electronics temp	-x.y - +x.y °C	(factor 10)	v3.10.xx–v3.37.xx
3x0315	Ebm Supply fan A Power	0 - x.y W	(factor 10)	v3.10.xx
3x0316	Ebm Supply fan A Motor run time	0-32767 min	(factor 10)	v3.10.xx
3x0317	Ebm Supply fan A Motor run time HH	0-32767 h	(factor 10)	v3.10.xx
3x0318	Ebm Supply fan A Motor run time MM	0-59 min	(factor 10)	v3.10.xx
3x0321	Danfoss/Ziehl Exhaust fan A Alarm Warning number	0 - x	Unsigned word	v3.10.xx

Adress	Description	Values / Units	Remarks	Release
3x0322	Danfoss Exhaust fan A Warning	0-1	Ok * Fault Unsigned word	v3.10.xx
Present value, Signed Word				
3x0323	Danfoss/Ziehl Exhaust fan A Current	0 – x.y A	(factor 10)	v3.10.xx
3x0324	Danfoss Exhaust fan A Energy	0 – x.y kWh	(factor 10)	v3.10.xx
3x0325	Danfoss/Ziehl Exhaust fan A Motor voltage	0 – x.y V	(factor 10)	v3.10.xx
3x0326	Danfoss Exhaust fan A Operating hours	0 – x h	(factor 10)	v3.10.xx
3x0327	Danfoss Exhaust fan A Output frequency	0 – x.y Hz	(factor 10)	v3.10.xx
3x0328	Danfoss/Ziehl Exhaust fan A Power	0 – x.y kW	(factor 10)	v3.10.xx
3x0329	Ziehl Exhaust fan A Speed	0 – x.y rpm	(factor 10)	v3.10.xx
3x0330	Danfoss/Ziehl Exhaust fan A Heat sink temp	-x.y - +x.y °C	(factor 10)	v3.10.xx
3x0331	Danfoss/Ziehl Exhaust fan A DC link Voltage	0 – x.y V	(factor 10)	v3.40.xx
3x0332	Danfoss Exhaust fan B Alarm Warning number	0 – x	Unsigned word	v3.10.xx
3x0333	Danfoss Exhaust fan B Warning	0-1	Ok * Fault Unsigned word	v3.10.xx
3x0334	Danfoss Exhaust fan B Current	0 – x.y A	(factor 10)	v3.10.xx
3x0335	Danfoss Exhaust fan B Energy	0 – x.y kWh	(factor 10)	v3.10.xx
3x0336	Danfoss Exhaust fan B Motor voltage	0 – x.y V	(factor 10)	v3.10.xx
3x0337	Danfoss Exhaust fan B Operating hours	0 – x h	(factor 10)	v3.10.xx
3x0338	Danfoss Exhaust fan B Output frequency	0 – x.y Hz	(factor 10)	v3.10.xx
3x0339	Danfoss Exhaust fan B Power	0 – x.y kW	(factor 10)	v3.10.xx

Adress	Description	Values / Units	Remarks	Release
3x0340	Danfoss Exhaust fan B Speed	0 – x.y rpm	(factor 10)	v3.10.xx
3x0341	Danfoss Exhaust fan B Heat sink temp	-x.y - +x.y °C	(factor 10)	v3.10.xx
3x0343	Ebm Exhaust fan A Alarm	0-12	Unsigned word 0 = Nu 1 = Mains Over Volt 2 = Mains Under Volt 3 = DC-link Under Volt 4 = DC link Over Volt 5 = Internal Electronics 6 = Locked 7 = Hall Sensor 8 = Overheat 9 = Communication Error 10 = Power Overheat 11 = Phase Fail 12 = Normal	v3.10.xx
3x0344	Ebm Exhaust fan A Warning	0-11	Unsigned word 0 = Nu 1 = Open circuit at input 2 = Actual speed less than low limit 3 = Brake operation 4 = Low DC-link voltage 5 = High electronics temp 6 = High motor temp 7 = High output stage temp 8 = Mesh power limitation 9 = High line impedance 10 = Mesh current limitation 11 = Normal	v3.10.xx
3x0345	Ebm Exhaust fan A DC link current	0 – x.y A	(factor 10)	v3.10.xx
3x0346	Ebm Exhaust fan A DC link voltage	0 – x.y V	(factor 10)	v3.10.xx

Adress	Description	Values / Units	Remarks	Release
3x0347	Ebm Exhaust fan A Speed	0 – x.y rpm	(factor 10)	v3.10.xx
3x0348	Ebm Exhaust fan A Max speed	0 – x.y rpm	(factor 10)	v3.10.xx
3x0349	Ebm Exhaust fan A Power module temp	-x.y - +x.y °C	(factor 10)	v3.10.xx-v4.33.xx
3x0349	Ebm Exhaust fan A Motor temp	-x.y - +x.y °C	(factor 10)	v4.34.xx
3x0351	Ebm Exhaust fan A Electronics temp	-x.y - +x.y °C	(factor 10)	v3.10.xx–v3.37.xx
3x0352	Ebm Exhaust fan A Power	0 – x.y W	(factor 10)	v3.10.xx
3x0353	Ebm Exhaust fan A Motor run time	0-32767 h, min	(factor 10)	v3.10.xx
3x0354	Ebm Exhaust fan A Motor run time HH	0-32767 h	(factor 10)	v3.10.xx
3x0355	Ebm Exhaust fan A Motor run time MM	0-59 min	(factor 10)	v3.10.xx
Unsigned long 32bit, each address also uses next/following address				
3x0356	Heat recovery Actual rec. power	0 – x.yy kW	(factor 100)	v3.14.xx
3x0358	Heat recovery Rec. energy today	0-59 min		v3.14.xx
3x0360	Heat recovery Rec. energy month	0 – x kWh		v3.14.xx
3x0362	Heat recovery Rec. energy year	0 – x.yy MWh	(factor 100)	v3.14.xx
3x0364	Heat recovery Rec. energy last year	0 – x.yy MWh	(factor 100)	v3.14.xx
3x0366	Heat recovery Rec. energy trip meter	0 – x.yy MWh	(factor 100)	v3.14.xx
3x0368	Heat recovery Rec. energy last month	0 – x kWh		v3.26.xx



Adress	Description	Values / Units	Remarks	Release
3x0370	Added heat Actual power	0 – x.yy kW	(factor 100)	v3.14.xx
3x0372	Added heat Energy today	0 – x kWh		v3.14.xx
3x0374	Added heat Energy month	0 – x kWh		v3.14.xx
3x0376	Added heat Energy year	0 – x.yy MWh	(factor 100)	v3.14.xx
3x0378	Added heat Energy last year	0 – x.yy MWh	(factor 100)	v3.14.xx
3x0380	Added heat Energy trip meter	0 – x.yy MWh	(factor 100)	v3.14.xx
3x0382	Added heat Energy last month	0 – x kWh		v3.26.xx
3x0384	Fans Actual Power	0 – x.yy kW	(factor 100)	v3.14.xx
3x0386	Fans Energy added today	0 – x kWh		v3.14.xx
3x0388	Fans Energy added month	0 – x kWh		v3.14.xx
3x0390	Fans Energy added year	0 – x.yy MWh	(factor 100)	v3.14.xx
3x0392	Fans Energy added last year	0 – x.yy MWh	(factor 100)	v3.14.xx
3x0394	Fans Energy added trip meter	0 – x.yy MWh	(factor 100)	v3.14.xx
3x0396	Fans Energy added last month	0 – x kWh		v3.26.xx

Adress	Description	Values / Units	Remarks	Release
3x0400	Supply fan actual setpoint	0 - x.y	Pa, l/s, %, 3m/s or 3m/h depending on configuration (factor 100)	v3.40.xx
3x0402	Supply fan actual setpoint	0 - x.y	Pa, l/s, %, 3m/s or 3m/h depending on configuration (factor 100)	v3.40.xx
Present value, Signed Word				
3x0405	Aux Temp 2	-x.y - +x.y K/°C	(factor 10)	v3.24.xx
3x0406	Aux Temp 3	-x.y - +x.y °C	(factor 10)	v3.24.xx
3x0407	Aux Temp 4	-x.y - +x.y °C	(factor 10)	v3.24.xx
3x0408	Aux Temp 5	-x.y - +x.y °C	(factor 10)	v3.24.xx
3x0409	Aux Temp 6	-x.y - +x.y °C	(factor 10)	v3.24.xx
3x0410	Carel ACUACR Discharge temp C1	-x.y - +x.y °C	(factor 10)	v3.40.xx
3x0411	Carel ACUACR Liquid line temp C1	-x.y - +x.y °C	(factor 10)	v3.40.xx
3x0412	Carel ACUACR Sub cooling C1	-x.y - +x.y °C	(factor 10)	v3.40.xx

Adress	Description	Values / Units	Remarks	Release
3x0413	Alarm Danfoss Omf 10			
Bit0	Break Check			
Bit1	Pwr. Card temp			
Bit2	Earth Fault			
Bit3	Ctrl. Card temp			
Bit4	Ctrl. Word TO			
Bit5	Over current			
Bit6	Torque limit			
Bit7	Motor ETR over			
Bit8	Motor th over			
Bit9	Inverter overId			
Bit10	DC under volt			
Bit11	DC over volt			
Bit12	Short Circuit			
Bit13	Inrush fault			
Bit14	Mains ph. loss			
Bit15	"AMA Not OK"			
		0-65535	0-1 for each bit or counted binary to a decimal number	v3.40.xx
3x0414	Alarm Danfoss Omf 11			
Bit0	Live zero error			
Bit1	Internal fault			
Bit2	Break overload			
Bit3	U phase loss			
Bit4	V phase loss			
Bit5	W phase loss			
Bit6	Fieldbus fault			
Bit7	24V supply low			
Bit8	Mains failure			
Bit9	1.8V supply low			
Bit10	Brake resistor			
Bit11	Brake IGBT			
Bit12	Option Change			
Bit13	Drive initialised			
Bit14	Safe stop			
Bit15	Mech. brake low			
		0-65535	0-1 for each bit or counted binary to a decimal number	v3.40.xx

Adress	Description	Values / Units	Remarks	Release
3x0415	Alarm Danfoss Omf 20			
Bit0	ServiceTrip, Read/Write			
Bit1	ServiceTrip, (reserved)			
Bit2	ServiceTrip, Typecode/Sparepart			
Bit3	ServiceTrip, (reserved)			
Bit4	ServiceTrip, (reserved)			
Bit5	No flow			
Bit6	Dry pump			
Bit7	End of curve			
Bit8	Broken belt			
Bit9	Discharge high			
Bit10	Start failed			
Bit11	Speed limit			
Bit12	Option Change			
Bit13	External Interlock			
Bit14	Illegal Option Combi.			
Bit15	.			
		0-65535	0-1 for each bit or counted binary to a decimal number	v3.40.xx
3x0416	Alarm Danfoss Omf 21			
Bit0	.			
Bit1	KTY error			
Bit2	Fans error			
Bit3	ECB error			
Bit4	.			
Bit5	.			
Bit6	.			
Bit7	.			
Bit8	.			
Bit9	Current limit			
Bit10	.			
Bit11	.			
Bit12	.			
Bit13	Encoder loss			
Bit14	PTC thermistor			
Bit15	Dangerous failure			
		0-65535	0-1 for each bit or counted binary to a decimal number	v3.40.xx
3x0417	Carel ACUACR Discharge temp. C2	-x.y - +x.y °C	(factor 10)	v3.40.xx
3x0418	Carel ACUACR Liquid line temp C2	-x.y - +x.y °C	(factor 10)	v3.40.xx
3x0419	Carel ACUACR Sub cooling C2	-x.y - +x.y °C	(factor 10)	v3.40.xx
3x0420	Carel ACUACR Discharge temp. C3	-x.y - +x.y °C	(factor 10)	v3.40.xx

Adress	Description	Values / Units	Remarks	Release
3x0421	Carel ACUACR Liquid line temp C3	-x.y - +x.y °C	(factor 10)	v3.40.xx
3x0422	Carel ACUACR Sub cooling C3	-x.y - +x.y °C	(factor 10)	v3.40.xx
3x0423	Carel ACUACR Power. Elc. Compressor	-x.y - +x.y kW	(factor 10)	v3.40.xx
3x0424	Carel ACUACR Power Heating	-x.y - +x.y kW	(factor 10)	v3.40.xx
3x0425	Carel ACUACR Power Cooling	-x.y - +x.y kW	(factor 10)	v3.40.xx
3x0426	Carel_ACUACR Alarm register 5. Bit0 Alarm electric coil Bit1 Alarm sump temp sensor Compressor 1 Bit2 Alarm discharge temp sensor Compressor 1 Bit3 Alarm discharge temp sensor Compressor 1 Bit4 Alarm discharge temp sensor Compressor 2 Bit5 Alarm discharge temp sensor Compressor 2 Bit6 Alarm discharge temp sensor Compressor 3 Bit7 Alarm liquid temp sensor Compressor 1 Bit8 Alarm liquid temp sensor Compressor 2 Bit9 Alarm liquid temp sensor Compressor 3 Bit10 Bit11 Bit12 Bit13 Bit14 Bit15	0-65535	0-1 for each bit or counted binary to a decimal number	v3.40.xx
3x0427	Min exhaust temp output	0-100 %		v3.40.xx
3x0428	Carel ACUACR Compressor Frequency	-x.y - +x.y Hz	(factor 10)	v3.40.xx
3x0429	Carel ACUACR Superheating C1	0 - +x.y K	(factor 10)	v3.40.xx
Signed word				

Adress	Description	Values / Units	Remarks	Release
3x0430	Temp. room 1	0 - +x.y °C	(factor 10)	v3.40.xx
3x0431	Temp. room 2	-x.y - +x.y °C	(factor 10)	v3.40.xx
3x0432	Temp. room 3	-x.y - +x.y °C	(factor 10)	v3.40.xx
3x0433	Temp. room 4	-x.y - +x.y °C	(factor 10)	v3.40.xx
3x0434	Temp. room 5	-x.y - +x.y °C	(factor 10)	v3.40.xx
3x0435	Temp. room 6	-x.y - +x.y °C	(factor 10)	v3.40.xx
3x0436	Air quality room 1	-x.y - +x.y ppm		v3.40.xx
3x0437	Air quality room 2	-x.y - +x.y ppm		v3.40.xx
3x0438	Air quality room 3	-x.y - +x.y ppm		v3.40.xx
3x0439	Air quality room 4	-x.y - +x.y ppm		v3.40.xx
3x0440	Air quality room 5	-x.y - +x.y ppm		v3.40.xx
3x0441	Air quality room 6	-x.y - +x.y ppm		v3.40.xx
3x0442	Humidity room 1	-x.y - +x.y %r.H.		v3.40.xx
3x0443	Humidity room 2	-x.y - +x.y %r.H.		v3.40.xx
3x0444	Humidity room 3	-x.y - +x.y %r.H.		v3.40.xx
3x0445	Humidity room 4	-x.y - +x.y %r.H.		v3.40.xx
3x0446	Humidity room 5	-x.y - +x.y %r.H.		v3.40.xx

Adress	Description	Values / Units	Remarks	Release
3x0447	Humidity room 6	-x.y - +x.y %r.H.		v3.40.xx
3x0450	Temp Today	-x.y - +x.y °C	(factor 10)	v3.40.xx
3x0451	Temp This month	-x.y - +x.y °C	(factor 10)	v3.40.xx
3x0452	Temp Last month	-x.y - +x.y °C	(factor 10)	v3.40.xx
3x0455	TCHP Calc. Heatrec. temp.	x.y - +x.y °C	(factor 10)	v3.40.xx
3x0460	Temp. room 7	-x.y - +x.y °C	(factor 10)	v3.40.xx
3x0461	Air quality room 7	-x.y - +x.y ppm		v3.40.xx
3x0462	Humidity room 7	-x.y - +x.y %r.H.		v3.40.xx
3x0470	Danfoss/Ziehl Supply fan B DC link voltage	0 – x.y V	(factor 10)	v3.44.xx
3x0471	Danfoss/Ziehl Exhaust fan B DC link voltage	0 – x.y V	(factor 10)	v3.44.xx
Unsigned word				

Adress	Description	Values / Units	Remarks	Release
3x0472	Ebm Supply fan B Alarm	0-12	Unsigned word 0 = Nu 1 = Mains Over Volt 2 = Mains Under Volt 3 = DC-link Under Volt 4 = DC link Over Volt 5 = Internal Electronics 6 = Locked 7 = Hall Sensor 8 = Overheat 9 = Communication Error 10 = Power Overheat 11 = Phase Fail 12 = Normal	v3.44.xx
3x0473	Ebm Supply fan B Warning	0-11	Unsigned word 0 = Nu 1 = Open circuit at input 2 = Actual speed less than low limit 3 = Brake operation 4 = Low DC-link voltage 5 = High electronics temp 6 = High motor temp 7 = High output stage temp 8 = Mesh power limitation 9 = High line impedance 10 = Mesh current limitation 11 = Normal	v3.44.xx
Signed word				
3x0474	Ebm Supply fan B DC link current	0 - x.y A	(factor 10)	v3.44.xx
3x0475	Ebm Supply fan B DC link voltage	0 - x.y V	(factor 10)	v3.44.xx
3x0476	Ebm Supply fan B Speed	0 - x.y rpm	(factor 10)	v3.44.xx
3x0477	Ebm Supply fan B Max speed	0 - x.y rpm	(factor 10)	v3.44.xx

Adress	Description	Values / Units	Remarks	Release
3x0478	Ebm Supply fan B Power module temp	-x.y - +x.y °C	(factor 10)	v3.44.xx
3x0479	Ebm Supply fan B Power	0 - x.y W	(factor 10)	v3.44.xx
3x0480	Ebm Supply fan B Motor run time	0-32767 h,min	(factor 10)	v3.44.xx
3x0481	Ebm Supply fan B Motor run time HH	0-32767 h	(factor 10)	v3.44.xx
3x0482	Ebm Supply fan B Motor run time MM	0-59 min	(factor 10)	v3.44.xx
Unsigned word				
3x0483	Ebm Exhaust fan B Alarm	0-12	Unsigned word 0 = Nu 1 = Mains Over Volt 2 = Mains Under Volt 3 = DC-link Under Volt 4 = DC link Over Volt 5 = Internal Electronics 6 = Locked 7 = Hall Sensor 8 = Overheat 9 = Communication Error 10 = Power Overheat 11 = Phase Fail 12 = Normal	v3.44.xx

Adress	Description	Values / Units	Remarks	Release
3x0484	Ebm Exhaust fan B Warning	0-11	Unsigned word 0 = Nu 1 = Open circuit at input 2 = Actual speed less than low limit 3 = Brake operation 4 = Low DC-link voltage 5 = High electronics temp 6 = High motor temp 7 = High output stage temp 8 = Mesh power limitation 9 = High line impedance 10 = Mesh current limitation 11 = Normal	v3.44.xx
Signed word				
3x0485	Ebm Exhaust fan B DC link current	0 - x.y A	(factor 10)	v3.44.xx
3x0486	Ebm Exhaust fan B DC link voltage	0 - x.y V	(factor 10)	v3.44.xx
3x0487	Ebm Exhaust fan B Speed	0 - x.y rpm	(factor 10)	v3.44.xx
3x0488	Ebm Exhaust fan B Max speed	0 - x.y rpm	(factor 10)	v3.44.xx
3x0489	Ebm Exhaust fan B Power module temp	-x.y - +x.y °C	(factor 10)	v3.44.xx
3x0490	Ebm Exhaust fan B Power	0 - x.y W	(factor 10)	v3.44.xx
3x0491	Ebm Supply fan B Motor run time	0-32767 h,min	(factor 10)	v3.44.xx
3x0492	Ebm Exhaust fan B Motor run time HH	0-32767 h	(factor 10)	v3.44.xx
3x0493	Ebm Exhaust fan B Motor run time MM	0-59 min	(factor 10)	v3.44.xx
3x0494	OJ Supply Fan A run time MM	0-1440 min	(factor 10)	v3.49.xx
3x0495	OJ Supply Fan A run time Days	0-32767 Days		v3.49.xx



Adress	Description	Values / Units	Remarks	Release
3x0496	OJ Supply Fan B run time MM	0-1440 min	(factor 10)	v3.49.xx
3x0497	OJ Supply Fan B run time Days	0-32767 Days		v3.49.xx
3x0498	OJ Exhaust Fan A run time MM	0-1440 min	(factor 10)	v3.49.xx
3x0499	OJ Exhaust Fan A run time Days	0-32767 Days		v3.49.xx
3x0500	OJ Exhaust Fan B run time MM	0-1440 min	(factor 10)	v3.49.xx
3x0501	OJ Exhaust Fan B run time Days	0-32767 Days		v3.49.xx
3x0510	Modbus Heat Recovery Internal temp	-x.y - +x.y °C	(factor 10)	v4.07.xx
3x0511	Modbus Heat Recovery Motor speed	0 - x.y rpm		v4.07.xx
3x0512	Modbus Heat Recovery volt	0 - x.y V		v4.07.xx
3x0513	Modbus Heat Recovery Current	0 - x.y A	(factor 100)	v4.07.xx
3x0514	Modbus Heat Recovery Power	0 - x.y W	(factor 100)	v4.07.xx
3x0515	Modbus Heat Recovery Op-days	0-32767 Days		v4.07.xx
3x0516	Modbus Heat Recovery Rotor Speed	0 - x.y rpm	(factor 10)	v4.07.xx
3x0517	Modbus Heat Recovery Tourqe	0 - x.y Nm	(factor 100)	v4.07.xx
Unsigned word				

Adress	Description	Values / Units	Remarks	Release
3x0530	Modbus Supply Fan C Alarm	0-12	Unsigned word 0 = Nu 1 = Mains Over Volt 2 = Mains Under Volt 3 = DC-link Under Volt 4 = DC link Over Volt 5 = Internal Electronics 6 = Locked 7 = Hall Sensor 8 = Overheat 9 = Communication Error 10 = Power Overheat 11 = Phase Fail 12 = Normal	v4.25.xx
3x0531	Modbus Supply Fan C Warning	0-11	Unsigned word 0 = Nu 1 = Open circuit at input 2 = Actual speed less than low limit 3 = Brake operation 4 = Low DC-link voltage 5 = High electronics temp 6 = High motor temp 7 = High output stage temp 8 = Mesh power limitation 9 = High line impedance 10 = Mesh current limitation 11 = Normal	v4.25.xx
Signed word				
3x0532	Modbus Supply Fan C DC-link current	0 - x.y A	(factor 10)	v4.25.xx
3x0533	Modbus Supply Fan C DC-link Volt	0 - x.y V	(factor 10)	v4.25.xx
3x0534	Modbus Supply Fan C Speed	0 - x.y rpm	(factor 10)	v4.25.xx
3x0535	Modbus Supply Fan C Max Speed	0 - x.y rpm	(factor 10)	v4.25.xx

Adress	Description	Values / Units	Remarks	Release
3x0536	Modbus Supply Fan C Motor temp	-x.y - x.y °C	(factor 10)	v4.25.xx
3x0537	Modbus Supply Fan C Actual power	0 - x.y W	(factor 10)	v4.25.xx
3x0538	Modbus Supply Fan C Motor run time	0-32767 h,min	(factor 10)	v4.25.xx
3x0539	Modbus Supply Fan C Motor run HH	0-32767 h	(factor 10)	v4.25.xx
3x0540	Modbus Supply Fan C Motor run MM	0-59 min	(factor 10)	v4.25.xx
Unsigned word				
3x0550	Danfoss Supply fan C Alarm Warning number	0 - x	Unsigned word	v4.25.xx
3x0551	Danfoss Supply fan C Warning	0-1	Ok * Fault Unsigned word	v4.25.xx
Signed word				
3x0552	Modbus Supply Fan C Current	0 - x.y A	(factor 10)	v4.25.xx
3x0553	Modbus Supply Fan C Energy	0 - x.y kWh	(factor 10)	v4.25.xx
3x0554	Modbus Supply Fan C Motor Volt	0 - x.y V	(factor 10)	v4.25.xx
3x0555	Modbus Supply Fan C Op. Hours	0 - x.y h	(factor 10)	v4.25.xx
3x0556	Modbus Supply Fan C Outfreq.	-x.y - x.y Hz	(factor 10)	v4.25.xx
3x0557	Modbus Supply Fan C Actual power	0 - x.y kW	(factor 10)	v4.25.xx
3x0558	Modbus Supply Fan C Speed	0 - x.y rpm	(factor 10)	v4.25.xx
3x0559	Modbus Supply Fan C Heatsink Temp	-x.y - x.y °C	(factor 10)	v4.25.xx
3x0560	Modbus Supply Fan C DC-link voltage	0 - x.y V	(factor 10)	v4.25.xx
Unsigned word				

Adress	Description	Values / Units	Remarks	Release
3x0570	Modbus Exhaust Fan C Alarm	0-12	Unsigned word 0 = Nu 1 = Mains Over Volt 2 = Mains Under Volt 3 = DC-link Under Volt 4 = DC link Over Volt 5 = Internal Electronics 6 = Locked 7 = Hall Sensor 8 = Overheat 9 = Communication Error 10 = Power Overheat 11 = Phase Fail 12 = Normal	v4.25.xx
3x0571	Modbus Exhaust Fan C Warning	0-11	Unsigned word 0 = Nu 1 = Open circuit at input 2 = Actual speed less than low limit 3 = Brake operation 4 = Low DC-link voltage 5 = High electronics temp 6 = High motor temp 7 = High output stage temp 8 = Mesh power limitation 9 = High line impedance 10 = Mesh current limitation 11 = Normal	v4.25.xx
Signed word				
3x0572	Modbus Exhaust Fan C DC-link current	0 - x.y A	(factor 10)	v4.25.xx
3x0573	Modbus Exhaust Fan C DC-link voltage	0 - x.y V	(factor 10)	v4.25.xx
3x0574	Modbus Exhaust Fan C DC-link speed	0 - x.y rpm	(factor 10)	v4.25.xx

Adress	Description	Values / Units	Remarks	Release
3x0575	Modbus Exhaust Fan C Max speed	0 - x.y rpm	(factor 10)	v4.25.xx
3x0576	Modbus Exhaust Fan C Motor temp	-x.y - x.y °C	(factor 10)	v4.25.xx
3x0577	Modbus Exhaust Fan C Actual power	0 - x.y W	(factor 10)	v4.25.xx
3x0578	Modbus Exhaust Fan C Motor run time	0-32767 h,min	(factor 10)	v4.25.xx
3x0579	Modbus Exhaust Fan C Motor run HH	0-32767 h	(factor 10)	v4.25.xx
3x0580	Modbus Exhaust Fan C Motor run MM	0-59 min	(factor 10)	v4.25.xx
Unsigned word				
3x0590	Danfoss Exhaust fan C Alarm Warning number	0 - x	Unsigned word	v4.25.xx
3x0591	Danfoss Supply fan C Warning	0-1	Ok * Fault Unsigned word	v4.25.xx
Signed word				
3x0592	Modbus Exhaust Fan C Current	0 - x.y A	(factor 10)	v4.25.xx
3x0593	Modbus Exhaust Fan C Energy	0 - x.y kWh	(factor 10)	v4.25.xx
3x0594	Modbus Exhaust Fan C Motor Volt	0 - x.y V	(factor 10)	v4.25.xx
3x0595	Modbus Exhaust Fan C Op. Hours	0 - x.y h	(factor 10)	v4.25.xx
3x0596	Modbus Exhaust Fan C Outfreq.	-x.y - x.y Hz	(factor 10)	v4.25.xx
3x0597	Modbus Exhaust Fan C Actual power	0 - x.y kW	(factor 10)	v4.25.xx
3x0598	Modbus Exhaust Fan C Speed	0 - x.y rpm	(factor 10)	v4.25.xx
3x0599	Modbus Exhaust Fan C Heatsink Temp	-x.y - x.y °C	(factor 10)	v4.25.xx
3x0600	Modbus Exhaust Fan C DC-link voltage	0 - x.y V	(factor 10)	v4.25.xx
Unsigned word				
3x0601	Average SFP today	SFP		v4.34.xx

Adress	Description	Values / Units	Remarks	Release
3x0602	Average SFP month	SFP		v4.34.xx
3x0603	Average SFP last month	SFP		v4.34.xx
3x0604	Average SFP year	SFP		v4.34.xx
3x0605	Average SFP last year	SFP		v4.34.xx
3x0606	Average SFP trip	SFP		v4.34.xx
3x0607	Average SFP trip	SFP		v4.34.xx
3x0608	Min supply flow today	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0609	Average supply flow today	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0610	Min supply flow month	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0611	Average supply flow month	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0612	Max supply flow month	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0613	Min supply flow last month	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0614	Average supply flow last month	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0615	Max supply flow last month	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0616	Min supply flow year	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0617	Average supply flow year	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0618	Max supply flow year	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0619	Min supply flow last year	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0620	Average supply flow last year	0 - x	l/s or 3m/h depending on configuration	v4.34.xx

Adress	Description	Values / Units	Remarks	Release
3x0621	Max supply flow last year	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0622	Min supply flow trip meter	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0623	Average supply flow trip meter	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0624	Max supply flow trip meter	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0625	Supply air flow Time	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0626	Min exhaust flow today	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0627	Average exhaust flow today	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0628	Max exhaust flow today	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0629	Min exhaust flow month	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0630	Average exhaust flow month	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0631	Max exhaust flow month	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0632	Min exhaust flow last month	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0633	Average exhaust flow last month	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0634	Min exhaust flow year	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0635	Min exhaust flow year	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0636	Average exhaust flow year	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0637	Max exhaust flow year	0 - x	l/s or 3m/h depending on configuration	v4.34.xx

Adress	Description	Values / Units	Remarks	Release
3x0638	Min exhaust flow last year	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0639	Average exhaust flow last year	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0640	Max exhaust flow last year	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0641	Min exhaust flow trip meter	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0642	Average exhaust flow trip meter	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0643	Max exhaust flow trip meter	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0644	Exhaust air flow Since	0 - x	l/s or 3m/h depending on configuration	v4.34.xx
3x0645	OJ Heat Recovery Alarm	0-8	Unsigned word 0 = Nu 1 = Normal 2 = Rotorguard 3 = V-LO Alarm 4 = V-HI Alarm 5 = I-HI Alarm 6 = Rotor blocked 7 = Com.Error MOC 8 = Motor Phasefault	v4.34.xx
3x0646	OJ Heat Recovery Warning	0-5	Unsigned word 0 = Nu 1 = Normal 2 = Temp High 3 = Over Load 4 = EEPROM 5 = Ripple	v4.34.xx

Adress	Description	Values / Units	Remarks	Release
3x0647	OJ Supply fan A Alarm	0-8	Unsigned word 0 = Nu 1 = Normal 2 = V LO Alarm 3 = V HI Alarm 4 = I HI Alarm (Motor out short) 5 = Rotor Direction 6 = Internal Stop 7 = Motor Phase Error 8 = Communication error MOC	v4.34.xx
3x0648	OJ Supply fan A Warning	0-10	Unsigned word 0 = Nu 1 = Normal 2 = Temp High 3 = Input Phase Error 4 = Rotor Blocked 5 = Current limit 6 = EEPROM Error 7 = Brake Chopper Fault 8 = V Ripple 9 = Ext. 24V supply overload 10 = Voltage limit	v4.34.xx
3x0649	OJ Supply fan B Alarm	0-8	Unsigned word 0 = Nu 1 = Normal 2 = V LO Alarm 3 = V HI Alarm 4 = I HI Alarm (Motor out short) 5 = Rotor Direction 6 = Internal Stop 7 = Motor Phase Error 8 = Communication error MOC	v4.34.xx

Adress	Description	Values / Units	Remarks	Release
3x0650	OJ Supply fan B Warning	0-10	Unsigned word 0 = Nu 1 = Normal 2 = Temp High 3 = Input Phase Error 4 = Rotor Blocked 5 = Current limit 6 = EEPROM Error 7 = Brake Chopper Fault 8 = V Ripple 9 = Ext. 24V supply overload 10 = Voltage limit	v4.34.xx
3x0651	OJ Exhaust fan A Alarm	0-8	Unsigned word 0 = Nu 1 = Normal 2 = V LO Alarm 3 = V HI Alarm 4 = I HI Alarm (Motor out short) 5 = Rotor Direction 6 = Internal Stop 7 = Motor Phase Error 8 = Communication error MOC	v4.34.xx
3x0652	OJ Exhaust fan A Warning	0-10	Unsigned word 0 = Nu 1 = Normal 2 = Temp High 3 = Input Phase Error 4 = Rotor Blocked 5 = Current limit 6 = EEPROM Error 7 = Brake Chopper Fault 8 = V Ripple 9 = Ext. 24V supply overload 10 = Voltage limit	v4.34.xx

Adress	Description	Values / Units	Remarks	Release
3x0653	OJ Exhaust fan B Alarm	0-8	Unsigned word 0 = Nu 1 = Normal 2 = V LO Alarm 3 = V HI Alarm 4 = I HI Alarm (Motor out short) 5 = Rotor Direction 6 = Internal Stop 7 = Motor Phase Error 8 = Communication error MOC	v4.34.xx
3x0654	OJ Exhaust fan B Warning	0-10	Unsigned word 0 = Nu 1 = Normal 2 = Temp High 3 = Input Phase Error 4 = Rotor Blocked 5 = Current limit 6 = EEPROM Error 7 = Brake Chopper Fault 8 = V Ripple 9 = Ext. 24V supply overload 10 = Voltage limit	v4.34.xx
3x0655	OJ Supply fan C Alarm	0-8	Unsigned word 0 = Nu 1 = Normal 2 = V LO Alarm 3 = V HI Alarm 4 = I HI Alarm (Motor out short) 5 = Rotor Direction 6 = Internal Stop 7 = Motor Phase Error 8 = Communication error MOC	v4.34.xx

Adress	Description	Values / Units	Remarks	Release
3x0656	OJ Supply fan C Warning	0-10	Unsigned word 0 = Nu 1 = Normal 2 = Temp High 3 = Input Phase Error 4 = Rotor Blocked 5 = Current limit 6 = EEPROM Error 7 = Brake Chopper Fault 8 = V Ripple 9 = Ext. 24V supply overload 10 = Voltage limit	v4.34.xx
3x0657	OJ Exhaust fan C Alarm	0-8	Unsigned word 0 = Nu 1 = Normal 2 = V LO Alarm 3 = V HI Alarm 4 = I HI Alarm (Motor out short) 5 = Rotor Direction 6 = Internal Stop 7 = Motor Phase Error 8 = Communication error MOC	v4.34.xx
3x0658	OJ Exhaust fan C Warning	0-10	Unsigned word 0 = Nu 1 = Normal 2 = Temp High 3 = Input Phase Error 4 = Rotor Blocked 5 = Current limit 6 = EEPROM Error 7 = Brake Chopper Fault 8 = V Ripple 9 = Ext. 24V supply overload 10 = Voltage limit	v4.34.xx
3x0659	Fire damper 2 cmd	0 - 1	Från * Till	

3.5. Holding register

Adress	Description	Values / Units	Remarks	Release
Unsigned Word				
4x0001	Control bits	0-65535	.	
Bit0	Emergency stop input		.	
Bit1	External control input 1		.	
Bit2	External control input 2		.	
Bit3	Su/Wi changeover input		.	
Bit4	.		I/O	
Bit5	.		I/O	
Bit6	.		I/O	
Bit7	Fire alarm input		I/O	
Bit8	.		.	
Bit9	.		.	
Bit10	.		.	
Bit11	.		I/O	
Bit12	.		.	
Bit13	.		.	
Bit14	.		.	
Bit15	Communicationtest puls		.	
Present value, Unsigned Word				
4x0005	BMS control/override time switch program (steps)	0-4	Auto * Off * Stage 1 * Stage 2 * Stage 3	
4x0006	BMS control/override time switch program (steps/temperature)	0-7	Auto * Off * Eco St1 * Comf St1 * Eco St2 * Comf St2 * Eco St3 * Comf St3 (Only one of BMS control is used depending on configuration)	
4x0007	BMS control/override time switch program Auxiliary output	0-2	Auto * Off * On	
4x0011	External control, off delay	0 - x h		
4x0012	External control, fan step	0-4	Auto * Off * 1Step * 2Step * 3Step	
4x0013	Roomunit presence time	0-23 h		
Present value, Signed Word				
4x0020	Comfort temperature setpoint	-x.y - +x.y °C	(factor 10)	

Adress	Description	Values / Units	Remarks	Release
4x0021	Comfort temperature deadzone	-x.y - +x.y °C	(factor 10)	
4x0022	Comfort heating setpoint	-x.y - +x.y °C	(factor 10)	
4x0023	Comfort cooling setpoint	-x.y - +x.y °C	(factor 10)	
4x0024	Economy temperature setpoint	-x.y - +x.y °C	(factor 10)	
4x0025	Economy temperature deadzone	-x.y - +x.y °C	(factor 10)	
4x0026	Economy heating setpoint	-x.y - +x.y °C	(factor 10)	
4x0027	Economy cooling setpoint	-x.y - +x.y °C	(factor 10) (Different setpoint combinations are used depending on configuration)	
4x0028	Exhaust air temp setpoint 1, HOTC	-x.y - +x.y °C	(factor 10)	
4x0029	Exhaust air temp setpoint 2, HOTC	-x.y - +x.y °C	(factor 10)	
4x0030	Supply temp delta 1, HOTC	-x.y - +x.y °C	(factor 10)	
4x0031	Supply temp delta 2, HOTC	-x.y - +x.y °C	(factor 10)	
4x0032	Summer/winter changeover supply temp compensation	-x.y - +x.y °C	(factor 10)	
4x0033	Extra Sequence setpoint	-x.y - +x.y °C	(factor 10)	
4x0034	Supply temperature min setpoint (Pure room/exhaust control)	-x.y - +x.y °C	(factor 10)	→ v3.44.xx
4x0035	Supply temperature max setpoint (Pure room/exhaust control)	-x.y - +x.y °C	(factor 10)	→ v3.44.xx
4x0036	Supply temperature min setpoint (Cascade room/exhaust control)	-x.y - +x.y °C	(factor 10) Low limit	

Adress	Description	Values / Units	Remarks	Release
4x0037	Supply temperature max setpoint (Cascade room/exhaust control)	-x.y - +x.y °C	(factor 10) Low limit	
4x0039	Humidity setpoint relative	0 - x	%r.H. or g/kg	
4x0040	Humidity deadz relative	0 - x	%r.H. or g/kg	
4x0041	Humidity setpoint relative	0 - x	%r.H. or g/kg	
4x0042	Dehumidity setpoint relative	0 - x	%r.H. or g/kg	
4x0043	Humidity setpoint absolute	0 - x.y	(factor 10) %r.H. or g/kg depending on configuration	
4x0044	Humidity deadz absolute	0 - x.y	(factor 10) %r.H. or g/kg	
4x0045	Humidity setpoint absolute	0 - x.y	(factor 10) %r.H. or g/kg	
4x0046	Dehumidity setpoint absolute	0 - x.y	(factor 10) %r.H. or g/kg (Different setpoint combinations are used depending on configuration)	
4x0047	Supply humidity max setpoint (Pure room/exhaust control)	0 - x.y	(factor 10) %r.H. or g/kg	
4x0048	Supply humidity min setpoint (Cascade room/exhaust control)	0 - x.y	(factor 10) %r.H. or g/kg	
4x0049	Supply humidity max setpoint (Cascade room/exhaust control)	0 - x.y	(factor 10) %r.H. or g/kg	
Present value, Unsigned Word				
4x0050	Supply fan step 1 setpoint	0 - x	%, Pa or l/s depending on configuration	
4x0051	Supply fan step 2 setpoint	0 - x	%, Pa or l/s	
4x0052	Supply fan step 3 setpoint	0 - x	%, Pa or l/s	
4x0053	Supply fan max force setpoint	0 - x	%, Pa or l/s	

Adress	Description	Values / Units	Remarks	Release
4x0054	Exhaust fan step 1 setpoint	0 - x	%, Pa or l/s depending on configuration	
4x0055	Exhaust fan step 2 setpoint	0 - x	%, Pa or l/s	
4x0056	Exhaust fan step 3 setpoint	0 - x	%, Pa or l/s	
4x0057	Exhaust fan max force setpoint	0 - x	%, Pa or l/s	
Present value, Signed Word				
4x0059	Air quality setpoint	0 – x ppm		
Tracking value, Signed Word				
4x0060	Outside air temperature	-x.y - +x.y °C	(factor 10)	
4x0061	Room humidity relative	0 -100 %r.H.	(factor 10)	
4x0062	Room temperature	-x.y - +x.y °C	(factor 10)	
4x0063	Room temperature 2	-x.y - +x.y °C	(factor 10)	
4x0064	External setpoint	-x.y - +x.y °C	(factor 10)	
Tracking value, Signed Word				
4x0065	Manual switch Continuous run	0-3	No * Stage 1 * Stage 2 * Stage 3	v2.14.xx
4x0066	Manual switch Continuous run	0-6	No * Eco St1 * Comf St1 * Eco St2 * Comf St2 * Eco St3 * Comf St3 (Only one of Manual operation is used)	v2.14.xx
Tracking value, Signed Word				
4x0069	FlexoPool pool temperature	-x.y - +x.y °C	(factor 10)	
4x0070	Night cooling min out temp	-x.y - +x.y °C	(factor 10)	

Adress	Description	Values / Units	Remarks	Release
4x0071	Night cooling on delta	-x.y - +x.y °C	(factor 10)	
4x0072	Night cooling room hysteresis	-x.y - +x.y °C	(factor 10)	
4x0073	Night cooling room setpoint	-x.y - +x.y °C	(factor 10)	
4x0074	Temp start heating start	-x.y - +x.y °C	(factor 10)	
4x0075	Temp start heating setpoint	-x.y - +x.y °C	(factor 10)	
4x0076	Temp start cooling start	-x.y - +x.y °C	(factor 10)	
4x0077	Temp start cooling setpoint	-x.y - +x.y °C	(factor 10)	
4x0078	Boost comp time	0 - x min		→ v3.44.xx
4x0079	Boost room temp setpoint	-x.y - +x.y °C	(factor 10)	→ v3.44.xx
4x0080	Boost start heating	-x.y - +x.y °C	(factor 10)	→ v3.44.xx
4x0081	Boost start cooling	-x.y - +x.y °C	(factor 10)	→ v3.44.xx
4x0082	Draught cooling max deviation	-x.y - +x.y °C	(factor 10)	
4x0083	Draught heating max deviation	-x.y - +x.y °C	(factor 10)	
4x0084	Su compensation temp delta	-x.y - +x.y K	(factor 10)	
4x0085	Wi compensation temp delta	-x.y - +x.y K	(factor 10)	
4x0086	Cooling disable outside temp	-x.y - +x.y °C	(factor 10)	
4x0087	Heat recovery frost setpoint	-x.y - +x.y °C	(factor 10)	

Adress	Description	Values / Units	Remarks	Release
4x0088	Heat recovery frost setpoint st1	-x.y - +x.y °C	(factor 10)	
4x0089	Heat recovery frost setpoint st2	-x.y - +x.y °C	(factor 10)	
4x0090	Max speed defrost	-x.y - +x.y °C	(factor 10)	
4x0091	Min fresh air	0 - 100%		
4x0092	Heating frost setpoint	-x.y - +x.y °C	(factor 10)	
4x0093	Heating standby setpoint	-x.y - +x.y °C	(factor 10)	
4x0094	Preheating outside temp X1	-x.y - +x.y °C	(factor 10)	
4x0095	Preheating outside temp X2	-x.y - +x.y °C	(factor 10)	
4x0096	Preheating pos Y1	0 - 100%		
4x0097	Preheating pos Y2	0 - 100%		
4x0098	Cooling 2 disable outside temp	-x.y - +x.y °C	(factor 10)	
4x0099	Heating 2 frost setpoint	-x.y - +x.y °C	(factor 10)	
4x0100	Heating 2 Standby setpoint	-x.y - +x.y °C	(factor 10)	
4x0101	Preheating 2 outside temp X1	-x.y - +x.y °C	(factor 10)	
4x0102	Preheating 2 outside temp X2	-x.y - +x.y °C	(factor 10)	
4x0103	Preheating 2 pos Y1	0 - 100%		
4x0104	Preheating 2 pos Y2	0 - 100%		
4x0105	Dew point deadzone	-x.y - +x.y °C	(factor 10)	
4x0106	Fan cooling deadzone	-x.y - +x.y °C	(factor 10)	

Address	Description	Values / Units	Remarks	Release
4x0107	Fan heating deadzone	-x.y - +x.y °C	(factor 10)	
4x0108	Fan compensation humidity	0 - x.y %rH		
4x0109	Fan compensation temperature	-x.y - +x.y °C	(factor 10)	
4x0110	Fan slave offset	0 - x l/s	(factor 10)	
4x0111	Max deviation supply temp	0 - x.y °C	(factor 10)	
4x0112	Max deviation room temp	0 - x.y °C	(factor 10)	
4x0113	Max deviation supply humidity	0 - x.y	(factor 10) %rH or g/kg depending on configuration	
4x0114	Max deviation room humidity	0 - x.y	(factor 10) %rH or g/kg	
4x0115	Max deviation supply fan	0 - x	%, Pa or l/s depending on configuration	
4x0116	Max deviation exhaust fan	0 - x	%, Pa or l/s	
4x0117	FlexoPool Dehumidity setpoint 1	0 - x.y %rH		
4x0118	FlexoPool Dehumidity setpoint 2	0 - x.y %rH		
4x0119	FlexoPool min pool diff	-x.y - +x.y °C	(factor 10)	
4x0120	Extra/Zone Sequence deadzone	-x.y - +x.y °C	(factor 10)	
4x0121	Extra/Zone Summer/winter changeover supply temp compensation	-x.y - +x.y °C	(factor 10)	
4x0122	Extra/Zone Supply temperature min setpoint (Cascade room/exhaust control)	-x.y - +x.y °C	(factor 10) Low limit	
4x0123	Extra/Zone Supply temperature max setpoint (Cascade room/exhaust control)	-x.y - +x.y °C	(factor 10) Low limit	

Adress	Description	Values / Units	Remarks	Release
4x0124	Extra/Zone Draught cooling max deviation	-x.y - +x.y °C	(factor 10)	
4x0125	Extra/Zone Draught heating max deviation	-x.y - +x.y °C	(factor 10)	
4x0126	Home Cycle time dampers	0 - x.y min	(factor 10)	v2.04.xx–4.33
4x0127	Home Size constant P0	0 - x.y	(factor 10) constant	v2.04.xx–4.33
4x0128	Home Size constant P1	0 - x.y	(factor 10) constant	v2.04.xx–4.33
4x0129	Home Size constant P2	0 - x.y	(factor 10) constant	v2.04.xx–4.33
4x0130	Home Min time defrost	0 - x.y min	(factor 10)	v2.04.xx–4.33
4x0131	Home Stop time defrost	0 - x.y min	(factor 10)	v2.04.xx–4.33
4x0132	Home Outtemp reduced heat rec	-x.y - +x.y °C	(factor 10)	v2.04.xx–4.33
4x0133	Home Outtemp block defrost	-x.y - +x.y °C	(factor 10)	v2.04.xx–4.33
4x0134	Home Start setpoint defrost	0 – 100%	(factor 10)	v2.04.xx–4.33
4x0135	Home Stop setpoint defrost	0 – 100%	(factor 10)	v2.04.xx–4.33
4x0136	Home Defrost Damper setpoint	0 – 100%	(factor 10)	v2.04.xx–4.33
4x0137	Forcegroup 1 Co2 setpoint	0 – x ppm	(factor 10)	v2.04.xx
4x0138	Forcegroup 1 Temp setpoint	-x.y - +x.y °C	(factor 10)	v2.04.xx
4x0139	Forcegroup 2 Co2 setpoint	0 – x ppm	(factor 10)	v2.04.xx
4x0140	Forcegroup 2 Temp setpoint	-x.y - +x.y °C	(factor 10)	v2.04.xx
4x0141	Pressure balance setpoint	-x.y - +x.y Pa	(factor 10)	v2.04.xx
4x0142	Home Defrost Min damper set-point	0 - 100%	(factor 10)	v2.14.xx
4x0143	Home Defrost Reduce damper setpoint	0 - 100%	(factor 10)	v2.14.xx
4x0144	Home Defrost Outside air temp X1 setpoint	-x.y - +x.y °C	(factor 10)	v2.14.xx

Adress	Description	Values / Units	Remarks	Release
4x0145	Home Defrost Outside air temp X2 setpoint	-x.y - +x.y °C	(factor 10)	v2.14.xx
4x0146	Home Defrost Damper position Y1 setpoint	0 - 100%	(factor 10)	v2.14.xx
4x0147	Home Defrost Damper position Y2 setpoint	0 - 100%	(factor 10)	v2.14.xx
4x0148	Heat recovery cold corner temperature	-x.y - +x.y °C	(factor 10)	v2.14.xx
4x0149	Heat Recovery Dewpoint out-door temp active setpoint	-x.y - +x.y °C	(factor 10)	v2.14.xx
4x0150	Heat Recovery Dewpoint dead-zone	0 - 100%	(factor 10)	v2.14.xx
4x0151	Summer comp temperature end	-x.y - +x.y °C	(factor 10)	v3.10.xx
4x0152	Summer comp temperature start	-x.y - +x.y °C	(factor 10)	v3.10.xx
4x0153	Winter comp temperature end	-x.y - +x.y °C	(factor 10)	v3.10.xx
4x0154	Winter comp temperature start	-x.y - +x.y °C	(factor 10)	v3.10.xx
4x0155	Extra heating group Summer comp temperature delta	-x.y - +x.y °C	(factor 10)	v3.10.xx
4x0156	Extra heating group Summer comp temperature end	-x.y - +x.y °C	(factor 10)	v3.10.xx
4x0157	Extra heating group Summer comp temperature start	-x.y - +x.y °C	(factor 10)	v3.10.xx
4x0158	Extra heating group Winter comp temperature delta	-x.y - +x.y °C	(factor 10)	v3.10.xx
4x0159	Extra heating group Winter comp temperature end	-x.y - +x.y °C	(factor 10)	v3.10.xx
4x0160	Extra heating group Winter comp temperature start	-x.y - +x.y °C	(factor 10)	v3.10.xx
4x0161	Damper comp. humidity Setp.	0 - 100 %rH	(factor 10)	v3.10.xx
4x0162	Flexo Pool HP Min Start value	0 – 100 %	(factor 10)	v3.40.xx

Adress	Description	Values / Units	Remarks	Release
4x0163	External setpoint supply fan	0 – x	%, Pa or l/s (factor 10) main or comp. depending on config	v3.10.xx
4x0164	External setpoint exhaust fan	0 – x	%, Pa or l/s (factor 10) main or comp. depending on config	v3.10.xx
4x0165	Danfoss VSD Setpoint max high pressure	0 – x.y Bar	(factor 10)	v3.10.xx
4x0166	Air quality 2 setpoint	-x.y - +x.y ppm		v3.40.xx
4x0167	Setpoint Air qual.1 start	-x.y - +x.y ppm		v3.40.xx
4x0168	Start unit Air qual.1	-x.y - +x.y ppm		v3.40.xx
4x0169	Setpoint Air qual.2 start	-x.y - +x.y ppm		v3.40.xx
4x0170	Start unit Air qual.2	-x.y - +x.y ppm		v3.40.xx
Present value, unsigned long				
4x0171	Supply fan step 1 setpoint	0 – x.yy	(factor 100) 32-bit unsigned	v3.40.xx
4x0173	Supply fan step 2 setpoint	0 – x.yy	(factor 100) 32-bit unsigned	v3.40.xx
4x0175	Supply fan step 3 setpoint	0 – x.yy	(factor 100) 32-bit unsigned	v3.40.xx
4x0177	Supply fan max force	0 – x.yy	(factor 100) 32-bit unsigned	v3.40.xx
4x0179	Exhaust fan step 1 setpoint	0 – x.yy	(factor 100) 32-bit unsigned	v3.40.xx
4x0181	Exhaust fan step 2 setpoint	0 – x.yy	(factor 100) 32-bit unsigned	v3.40.xx

Adress	Description	Values / Units	Remarks	Release
4x0183	Exhaust fan step 2 setpoint	0 – x.yy	(factor 100) 32-bit unsigned	v3.40.xx
4x0185	Exhaust fan max force	0 – x.yy	(factor 100) 32-bit unsigned	v3.40.xx
4x0187	External setpoint Supply fan	0 – x.yy	%, Pa, l/s, 3m/s or 3m/h (factor 100) 32-bit unsigned main or comp. depending on config	v3.40.xx
4x0189	External setpoint Exhaust.fan	0 – x.yy	%, Pa, l/s, 3m/s or 3m/h (factor 100) 32-bit unsigned main or comp. depending on config	v3.40.xx
Present value, Signed word				
4x0191	Setpoint. Min exhaust temp.	-x.y - +x.y °C	(factor 10)	v3.40.xx
4x0192	Min exhaust temp Max comp. Heat recovery	0 - 100 %	(factor 10)	v3.40.xx
4x0194	Outs air temp summer	-x.y - +x.y °C	(factor 10)	v3.40.xx
4x0195	Outs air temp winter	-x.y - +x.y °C	(factor 10)	v3.40.xx
4x0196	Su/Wi time constant	-x.y - +x.y °C	(factor 10)	v3.40.xx
4x0197	THCP Power Electric before SupplyFan	0 - +x.y kW	(factor 10)	v3.40.xx
4x0198	Heat Pump priority	0-1	No * Yes	v3.44.xx
4x0199	Max decrease setpoint.	-x.y - +x.y %		v3.44.xx
Loop and cascade controller settings				
	X Controller Gain	-x.yy - +x.yy	(factor 100), Signed Word	

Adress	Description	Values / Units	Remarks	Release
	X Controller Integral	0 - x sec	Unsigned Word	
	X Controller Differential	0 - x sec	Unsigned Word	
4x0201	Cooling Gain	-x.yy - +x.yy	(factor 100), Signed Word	
4x0202	Cooling	0 - x sec	Integral	
4x0203	Cooling	0 - x sec	Differential	
4x0204	Heat recovery Gain	-x.yy - +x.yy	(factor 100), Signed Word	
4x0205	Heat recovery	0 - x sec	Integral	
4x0206	Heat recovery	0 - x sec	Differential	
4x0207	Heat recovery frost protection Gain	-x.yy - +x.yy	(factor 100), Signed Word	
4x0208	Heat recovery frost protection	0 - x sec	Integral	
4x0209	Heat recovery frost protection	0 - x sec	Differential	
4x0210	Heat recovery frost pressure Gain	-x.yy - +x.yy	(factor 100), Signed Word	
4x0211	Heat recovery frost pressure	0 - x sec	Integral	
4x0212	Heat recovery frost pressure	0 - x sec	Differential	
4x0213	Heat recovery frost pressure	-x.yy - +x.yy	Differential	
4x0214	Heat recovery damper	0 - x sec	Integral	
4x0215	Heat recovery damper	0 - x sec	Differential	
4x0216	Heating Gain	-x.yy - +x.yy	(factor 100), Signed Word	
4x0217	Heating	0 - x sec	Integral	
4x0218	Heating	0 - x sec	Differential	
4x0219	Heating frost protection Gain	-x.yy - +x.yy	(factor 100), Signed Word	
4x0220	Heating frost protection	0 - x sec	Integral	

Adress	Description	Values / Units	Remarks	Release
4x0221	Heating frost protection	0 - x sec	Differential	
4x0222	Electrical heating Gain	-x.yy - +x.yy	(factor 100), Signed Word	
4x0223	Electrical heating	0 - x sec	Integral	
4x0224	Electrical heating	0 - x sec	Differential	
4x0225	Cooling 2 Gain	-x.yy - +x.yy	(factor 100), Signed Word	
4x0226	Cooling 2	0 - x sec	Integral	
4x0227	Cooling 2	0 - x sec	Differential	
4x0228	Heating 2 Gain	-x.yy - +x.yy	(factor 100), Signed Word	
4x0229	Heating 2	0 - x sec	Integral	
4x0230	Heating 2	0 - x sec	Differential	
4x0231	Heating 2 frost protection Gain	-x.yy - +x.yy	(factor 100), Signed Word	
4x0232	Heating 2 frost protection	0 - x sec	Integral	
4x0233	Heating 2 frost protection	0 - x sec	Differential	
4x0234	Electrical Heating 2 Gain	-x.yy - +x.yy	(factor 100), Signed Word	
4x0235	Electrical Heating 2	0 - x sec	Integral	
4x0236	Electrical Heating 2	0 - x sec	Differential	
4x0237	Min supply temperature Gain	-x.yy - +x.yy	(factor 100), Signed Word	→ v3.44.xx
4x0238	Min supply temperature	0 - x sec	Integral	→ v3.44.xx
4x0239	Min supply temperature	0 - x sec	Differential	→ v3.44.xx
4x0240	Max supply temperature Gain	-x.yy - +x.yy	(factor 100), Signed Word	→ v3.44.xx
4x0241	Max supply temperature	0 - x sec	Integral	→ v3.44.xx
4x0242	Max supply temperature	0 - x sec	Differential	→ v3.44.xx

Adress	Description	Values / Units	Remarks	Release
4x0243	Fan cooling Gain	-x.yy - +x.yy	(factor 100), Signed Word	
4x0244	Fan cooling	0 - x sec	Integral	
4x0245	Fan cooling	0 - x sec	Differential	
4x0246	Fan heating Gain	-x.yy - +x.yy	Gain	
4x0247	Fan heating	0 - x sec	Integral	
4x0248	Fan heating	0 - x sec	Differential	
4x0249	Fan compensation temperature Gain	-x.yy - +x.yy	(factor 100), Signed Word	
4x0250	Fan compensation temperature	0 - x sec	Integral	
4x0251	Fan compensation temperature	0 - x sec	Differential	
4x0252	Fan compensation humidity Gain	-x.yy - +x.yy	(factor 100), Signed Word	
4x0253	Fan compensation humidity	0 - x sec	Integral	
4x0254	Fan compensation humidity	0 - x sec	Differential	
4x0255	Supply fan Gain	-x.yy - +x.yy	(factor 100), Signed Word	
4x0256	Supply fan	0 - x sec	Integral	
4x0257	Supply fan	0 - x sec	Differential	
4x0258	Exhaust fan Gain	-x.yy - +x.yy	(factor 100), Signed Word	
4x0259	Exhaust fan	0 - x sec	Integral	
4x0260	Exhaust fan	0 - x sec	Differential	
4x0261	Humidification Gain	-x.yy - +x.yy	(factor 100), Signed Word	
4x0262	Humidification	0 - x sec	Integral	
4x0263	Humidification	0 - x sec	Differential	
4x0264	Max supply humidit Gain y	-x.yy - +x.yy	(factor 100), Signed Word	

Adress	Description	Values / Units	Remarks	Release
4x0265	Max supply humidity	0 - x sec	Integral	
4x0266	Max supply humidity	0 - x sec	Differential	
4x0267	Dehumidification Gain	-x.yy - +x.yy	Gain	
4x0268	Dehumidification	0 - x sec	Integral	
4x0269	Dehumidification	0 - x sec	Differential	
4x0270	Air quality Gain	-x.yy - +x.yy	(factor 100), Signed Word	
4x0271	Air quality	0 - x sec	Integral	
4x0272	Air quality	0 - x sec	Differential	
4x0273	Cascade controller temperature Gain	-x.yy - +x.yy	(factor 100), Signed Word	
4x0274	Cascade controller temperature	0 - x sec	Integral	
4x0275	Cascade controller humidity Gain	-x.yy - +x.yy	(factor 100), Signed Word	
4x0276	Cascade controller humidity	0 - x sec	Integral	
4x0277	Extra/Zone Cascade controller temperature Gain	-x.yy - +x.yy	(factor 100), Signed Word	
4x0278	Extra/Zone Cascade controller temperature	0 - x sec	Integral	
4x0279	Forcegroup 1 Temp Gain	-x.yy - +x.yy	(factor 100), Signed Word	v2.04.xx
4x0280	Forcegroup 1 Temp	0 - x sec	Integral	v2.04.xx
4x0281	Forcegroup 1 Temp	0 - x sec	Differential	v2.04.xx
4x0282	Forcegroup 1 Co2 Gain	-x.yy - +x.yy	(factor 100), Signed Word	v2.04.xx
4x0283	Forcegroup 1 Co2	0 - x sec	Integral	v2.04.xx
4x0284	Forcegroup 1 Co2	0 - x sec	Differential	v2.04.xx
4x0285	Forcegroup 2 Temp Gain	-x.yy - +x.yy	(factor 100), Signed Word	v2.04.xx
4x0286	Forcegroup 2 Temp	0 - x sec	Integral	v2.04.xx

Adress	Description	Values / Units	Remarks	Release
4x0287	Forcegroup 2 Temp	0 - x sec	Differential	v2.04.xx
4x0288	Forcegroup 2 Co2 Gain	-x.yy - +x.yy	(factor 100), Signed Word	v2.04.xx
4x0289	Forcegroup 2 Co2	0 - x sec	Integral	v2.04.xx
4x0290	Heat Pump frost protection air Gain	-x.yy - +x.yy	(factor 100), Signed Word	
4x0291	Heat Pump frost protection air	0 - x sec	Integral	
4x0292	Heat Pump frost protection air	0 - x sec	Differential	
4x0293	Heat Pump frost protection water Gain	-x.yy - +x.yy	(factor 100), Signed Word	
4x0294	Heat Pump frost protection water	0 - x sec	Integral	
4x0295	Heat Pump frost protection water	0 - x sec	Differential	
4x0296	Forcegroup 2 Co2	-x.yy - +x.yy	Differential	v2.04.xx
4x0297	Pressure balance Gain	-x.yy - +x.yy	(factor 100), Signed Word	v2.04.xx
4x0298	Pressure balance	0 - x sec	Integral	v2.04.xx
4x0299	Pressure balance	0 - x sec	Integral	v2.04.xx
Present value, Signed Word				
4x0300	Aux Temp Setpoint 1	-x.y - +x.y °C	(factor 10)	v2.14.xx
4x0301	Aux Temp Setpoint 2	-x.y - +x.y °C	(factor 10)	v2.14.xx
4x0302	Heat recovery Min output signal via out temp	0 - 100%	(factor 10)	v2.14.xx
4x0303	Flow stop cooling	0 - x l/s	(factor 10)	v2.14.xx
4x0304	Flow start cooling	0 - x l/s	(factor 10)	v2.14.xx
4x0305	Aux Temp 1	-x.y - +x.y °C	(factor 10)	v2.14.xx
Loop and cascade controller settings				

Adress	Description	Values / Units	Remarks	Release
	X Controller Gain	-x.yy - +x.yy	(factor 100), Signed Word	
	X Controller Integral	0 - x sec	Unsigned Word	
	X Controller Differential	0 - x sec	Unsigned Word	
4x0306	Heat Recovery Dewpoint Gain	-x.yy - +x.yy	(factor 100), Signed Word	v2.14.xx
4x0307	Heat Recovery Dewpoint	0 - x sec	Integral	v2.14.xx
4x0308	Heat Recovery Dewpoint	0 - x sec	Differential	v2.14.xx
Tracking value, Signed Word				
4x0309	Heat recovery cold corner temperature	-x.y - +x.y °C	(factor 10)	v2.14.xx
Present value, Signed Word				
4x0310	Out Temp Force Heat recovery	-x.y - +x.y °C	(factor 10)	v2.40.xx
Present value, Unsigned Word				
4x0311	FlexoPool Force min run time	0 – 999 min		
Present value, Signed Word				
4x0312	FlexoPool Force economy start	0 - x.y %rH	(factor 10)	
4x0313	FlexoPool Force comfort diff	0 - x.y %rH	(factor 10)	
4x0314	FlexoPool Force hysteresis	0 - x.y %rH	(factor 10)	
4x0315	FlexoPool Min fresh air	0 - 100%		
4x0316	FlexoPool Low fresh air	0 - 100%		
4x0317	FlexoPool Outtemp Dehumidity setp 1	-x.y - +x.y °C	(factor 10)	
4x0318	FlexoPool Outtemp Dehumidity setp 2	-x.y - +x.y °C	(factor 10)	

Adress	Description	Values / Units	Remarks	Release
4x0319	FlexoPool Heat Pump frost protection air setpoint	-x.y - +x.y °C	(factor 10)	
4x0320	FlexoPool Heat Pump frost protection water setpoint	-x.y - +x.y °C	(factor 10)	
4x0321	Flexopool Economy min fresh air	0 - 100%		v3.10.xx
Loop and cascade controller settings				
	X Controller Gain	-x.yy - +x.yy	(factor 100), Signed Word	
	X Controller Integral	0 - x sec	Unsigned Word	
	X Controller Differential	0 - x sec	Unsigned Word	
4x0322	Damper compensation humidity	-x.yy - +x.yy	(factor 100), Signed Word	v3.10.xx
4x0323	Damper compensation humidity	0 - x sec	Integral	v3.10.xx
4x0324	Damper compensation humidity	0 - x sec	Differential	v3.10.xx
4x0325	Danfoss VSD High pressure	-x.yy - +x.yy	(factor 100), Signed Word	v3.10.xx
4x0326	Danfoss VSD High pressure	0 - x sec	Integral	v3.10.xx
4x0327	Danfoss VSD High pressure	0 - x sec	Differential	v3.10.xx
Present value, Signed Word				
4x0328	Energy Watch Flowfact GT1	0 - 100%	(factor 100)	v3.14.xx
4x0329	Energy Watch Flow min Alarm blocked	0 – 100 l/s	(factor 100)	v3.14.xx
4x0330	Air quality 2	-x.yy - +x.yy	(factor 100), Signed Word	v3.40.xx
4x0331	Air quality 2	0 - x sec	Integral	v3.40.xx
4x0332	Air quality 2	0 - x sec	Differential	v3.40.xx
4x0333	Aux.Temp. 2	-x.y - +x.y °C	(factor 10)	v3.40.xx
4x0334	Aux.Temp. 3	-x.y - +x.y °C	(factor 10)	v3.40.xx

Adress	Description	Values / Units	Remarks	Release
4x0335	Aux.Temp. 4	-x.y - +x.y °C	(factor 10)	v3.40.xx
4x0336	Aux.Temp. 5	-x.y - +x.y °C	(factor 10)	v3.40.xx
4x0337	Aux.Temp. 6	-x.y - +x.y °C	(factor 10)	v3.40.xx
4x0338	Heating pump start outside temp	-x.y - +x.y °C	(factor 10)	v3.49.xx
4x0340	Min exhaust temp Control	-x.yy - +x.yy	(factor 100), Signed Word	v3.40.xx
4x0341	Min exhaust temp Control	0 - x sec	Integral	v3.40.xx
4x0342	Min exhaust temp Control	0 - x sec	Differential	v3.40.xx
4x0343	Heat Pump fan heating limit Control	-x.yy - +x.yy	(factor 100), Signed Word	v3.44.xx
4x0344	Heat Pump fan heating limit Control	0 - x sec	Integral	v3.44.xx
4x0345	Heat Pump fan heating limit Control	0 - x sec	Differential	v3.44.xx
4x0350	Room 1 fan comp.	-x.yy - +x.yy	(factor 100), Signed Word	v3.40.xx
4x0351	Room 1 fan comp.	0 - x sec	Integral	v3.40.xx
4x0352	Room 1 fan comp.	0 - x sec	Differential	v3.40.xx
4x0353	Room 2 fan comp.	-x.yy - +x.yy	(factor 100), Signed Word	v3.40.xx
4x0354	Room 2 fan comp.	0 - x sec	Integral	v3.40.xx
4x0355	Room 2 fan comp.	0 - x sec	Differential	v3.40.xx
4x0356	Room 3 fan comp.	-x.yy - +x.yy	(factor 100), Signed Word	v3.40.xx
4x0357	Room 3 fan comp.	0 - x sec	Integral	v3.40.xx
4x0358	Room 3 fan comp.	0 - x sec	Differential	v3.40.xx
4x0359	Room 4 fan comp.	-x.yy - +x.yy	(factor 100), Signed Word	v3.40.xx

Adress	Description	Values / Units	Remarks	Release
4x0360	Room 4 fan comp.	0 - x sec	Integral	v3.40.xx
4x0361	Room 4 fan comp.	0 - x sec	Differential	v3.40.xx
4x0362	Room 5 fan comp.	-x.yy - +x.yy	(factor 100), Signed Word	v3.40.xx
4x0363	Room 5 fan comp.	0 - x sec	Integral	v3.40.xx
4x0364	Room 5 fan comp.	0 - x sec	Differential	v3.40.xx
4x0362	Room 5 fan comp.	-x.yy - +x.yy	(factor 100), Signed Word	v3.40.xx
4x0363	Room 5 fan comp.	0 - x sec	Integral	v3.40.xx
4x0364	Room 5 fan comp.	0 - x sec	Differential	v3.40.xx
4x0365	Room 6 fan comp.	-x.yy - +x.yy	(factor 100), Signed Word	v3.40.xx
4x0366	Room 6 fan comp.	0 - x sec	Integral	v3.40.xx
4x0367	Room 6 fan comp.	0 - x sec	Differential	v3.40.xx
4x0368	Air quality room	-x.yy - +x.yy	(factor 100), Signed Word	v3.40.xx
4x0369	Air quality room	0 - x sec	Integral	v3.40.xx
4x0370	Air quality room	0 - x sec	Differential	v3.40.xx
4x0371	Room Humidity	-x.yy - +x.yy	(factor 100), Signed Word	v3.40.xx
4x0372	Room Humidity	0 - x sec	Integral	v3.40.xx
4x0373	Room Humidity	0 - x sec	Differential	v3.40.xx
4x0374	Room 7 fan comp.	-x.yy - +x.yy	Gain (factor 100)	v3.40.xx
4x0375	Room 7 fan comp.	0 - x sec	Integral	v3.40.xx
4x0376	Room 7 fan comp.	0 - x sec	Differential	v3.40.xx
4x0400	Room 1 temp setpoint	-x.y - +x.y °C	(factor 10)	v2.40.xx
4x0401	Room 2 temp setpoint	-x.y - +x.y °C	(factor 10)	v2.40.xx



Adress	Description	Values / Units	Remarks	Release
4x0402	Room 3 temp setpoint	-x.y - +x.y °C	(factor 10)	v2.40.xx
4x0403	Room 4 temp setpoint	-x.y - +x.y °C	(factor 10)	v2.40.xx
4x0404	Room 5 temp setpoint	-x.y - +x.y °C	(factor 10)	v2.40.xx
4x0405	Room 6 temp setpoint	-x.y - +x.y °C	(factor 10)	v2.40.xx
4x0406	Air Quality Setpoint	-x.y - +x.y ppm		v2.40.xx
4x0407	Room Humidity Setpoint	-x.y - +x.y %r.H.		v2.40.xx
4x0408	Disable low room temp.	-x.y - +x.y °C	(factor 10)	v2.40.xx
4x0409	Air quality room setpoint if disabled	-x.y - +x.y ppm		v2.40.xx
4x0410	Air quality room setpoint Hysteresis	-x.y - +x.y ppm		v2.40.xx
4x0411	Room 7 temp setpoint	-x.y - +x.y °C	(factor 10)	v2.40.xx
4x0412	Air quality	-x.y - +x.y ppm		v3.49.xx
4x0413	Air quality 2	-x.y - +x.y ppm		v3.49.xx
4x0414	Air quality 3	-x.y - +x.y ppm		v3.49.xx
4x0415	Air quality 4	-x.y - +x.y ppm		v3.49.xx
4x0416	Air quality 2 Sensor 1	-x.y - +x.y ppm		v3.49.xx
4x0417	Force group 1 Air Quality	-x.y - +x.y ppm		v3.49.xx
4x0418	Force group 2 Air Quality	-x.y - +x.y ppm		v3.49.xx

Adress	Description	Values / Units	Remarks	Release
4x0419	Force group 1 Temperature	-x.y - +x.y °C	(factor 10)	v3.49.xx
4x0420	Force group 2 Temperature	-x.y - +x.y °C	(factor 10)	v3.49.xx
4x0421	Room/Extract Extra sequence	-x.y - +x.y °C	(factor 10)	v3.49.xx
4x0430	Summer compensation fan start	-x.y - +x.y °C	(factor 10)	v3.49.xx
4x0431	Summer compensation fan end	-x.y - +x.y °C	(factor 10)	v3.49.xx
4x0432	Summer compensation fan delta	-x.y - +x.y %	(factor 10)	v3.49.xx
4x0433	Winter compensation fan start	-x.y - +x.y °C	(factor 10)	v3.49.xx
4x0434	Winter compensation fan end	-x.y - +x.y °C	(factor 10)	v3.49.xx
4x0435	Winter compensation fan delta	-x.y - +x.y %	(factor 10)	v3.49.xx
4x0436	Supply filter Correction Alarm limit	-x.y - +x.y Pa	(factor 10)	v3.49.xx
4x0437	Exhaust filter Correction Alarm limit	-x.y - +x.y Pa	(factor 10)	v3.49.xx
4x0440	Max fresh air	-x.y - +x.y ppm		v4.29.01
4x0441	Max fresh air (Air quality control)	-x.y - +x.y ppm		v4.29.01
4x0442	Max fresh air (Humidity control)	-x.y - +x.y		v4.29.01
4x0443	Max fresh air (Temperature control)	-x.y - +x.y		
4x0445	Reset SFP	-x.y - +x.y		v4.34
4x0446	Reset Supply air flow	-x.y - +x.y		v4.34
4x0447	Reset Exhaust air flow	-x.y - +x.y		v4.34



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Adress	Description	Values / Units	Remarks	Release
4x0450	Heat Recovery efficiency	-x.y - +x.y		v4.34
4x0451	Heating frost tmp	-x.y - +x.y	(factor 10)	v4.34
4x0452	Heating 2 frost tmp	-x.y - +x.y	(factor 10)	v4.34