

# Modbus TCP/IP Version 4.0 and Modbus RTU Gateway Version 2.4

---

## Overview

ModBus can access single addresses or multiple addresses simultaneously; either reading or writing single bit values or 16-bit values.

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

## Modbus Data formats

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

Modbus Type	Description	Reference
Coil Status	Discrete Output	0x
Input Status	Discrete Input	1x
Holding Register	16 bit Output Register	4x
Input Register	16 bit Input Register	3x

## Supported ModBus commands.

The Gateway module supports these ModBus commands.

Function Code	Description.
01	Read Coil Status
02	Read Input Status
03	Read Holding Registers
04	Read Input Registers
05	Force Single Coil
06	Preset Single Register
08	Diagnostics. Sub-function 00 Only - Return Query Data (loop back).
15	Force multiple coils
16	Preset Multiple Registers

**Coil Status. 1 bit (R/W).**

Modbus	Name	Min/Max verA	Min/Max verB
0x0001	<b>Hightspeed operation.</b>	0-1	0-1
	Controls the AHU from S-CL stop or lowspeed to hightspeed operation.		
0x0002	<b>Lowspeed operation.</b>	0-1	0-1
	Controls the AHU from S-CL stop to lowspeed operation.		
0x0003	<b>Stop.</b>	0-1	0-1
	Controls the AHU to stop.		
0x0004	<b>Switch-clock func.</b>	0-1	0-1
	0=Lowspeed-Hightspeed.		
	VerA 1=Stop-Lowspeed.		
	VerB 1=Stop-Lowspeed-Hightspeed.		
0x0005	<b>Outdoor temp compensation.</b>	0-1	0-1
	Used to enable the function.		
0x0006	<b>Summer night cooling.</b>	0-1	0-1
	Used to enable the function.		
0x0007	<b>Alarm reset.</b>	0-1	0-1
	Reset for active alarms.		
0x0008	<b>Reserve 1.</b>	0	0
	Not used in this version.		
0x0009	<b>Reserve 2.</b>	0	0
	Not used in this version.		
0x0010	<b>Reserve 3.</b>	0	0
	Not used in this version.		
0x0011	<b>Reserve 4.</b>	0	0
	Not used in this version.		
0x0012	<b>Reserve 5.</b>	0	0
	Not used in this version.		
0x0013	<b>Reserve 6.</b>	0	0
	Not used in this version.		
0x0014	<b>Reserve 7.</b>	0	0
	Not used in this version.		
0x0015	<b>Reserve 8.</b>	0	0
	Not used in this version.		
0x0016	<b>Reserve 9.</b>	0	0
	Not used in this version.		

**Input status 1 bit (RO).**

Modbus	Name	Min/Max verA	Min/Max verB
1x0001	<b>Cool energy recovery.</b>	0-1	0-1
	Indicates if the function is active.		
1x0002	<b>Summer night cooling.</b>	0-1	0-1
	Indicates if the function is active.		
1x0003	<b>Group alarm-A.</b>	0-1	0-1
	Indicates if the alarm relay output-A is active.		
1x0004	<b>Group alarm-B.</b>	0-1	0-1
	Indicates if the alarm relay output-B is active.		
1x0005	<b>Highspeed operation.</b>	0-1	0-1
	Indicates all operating cases.		
1x0006	<b>Lowspeed operation.</b>	0-1	0-1
	Indicates all operating cases.		
1x0007	<b>Stop.</b>	0-1	0-1
	Indicates all operating cases.		
1x0008	<b>Heating indication relay.</b>	Not used	0-1
	Indicates if the heating function is active.		
1x0009	<b>Cooling relay, stage 1.</b>	0-1	0-1
	Indicates if the cooling function stage 1 is active.		
1x0010	<b>Cooling relay, stage 2.</b>	Not used	0-1
	Indicates if the cooling function stage 2 is active.		
1x0011	<b>Cooling compressor 1.</b>	Not used	0-1
	Indicates if the compressor 1, in Cooler is active.		
1x0012	<b>Cooling compressor 2.</b>	Not used	0-1
	Indicates if the compressor 2, in Cooler is active.		
1x0013	<b>Reserve 1.</b>	0	0
	Not used in this version.		
1x0014	<b>Reserve 2.</b>	0	0
	Not used in this version.		
1x0015	<b>Digital In 1 (Only Ethernet).</b>	0-1	0-1
	Indicates if input 1, on Ethernet module is active.		
1x0016	<b>Digital In 2 (Only Ethernet).</b>	0-1	0-1
	Indicates if input 2, on Ethernet module is active.		

1x0017	Alarm no. 1.	0-1	0-1
1x0018	Alarm no. 2.	0-1	0-1
1x0019	Alarm no. 3.	0-1	0-1
1x0020	Alarm no. 4.	0-1	0-1
1x0021	Alarm no. 5.	0-1	0-1
1x0022	Alarm no. 6.	0-1	0-1
1x0023	Alarm no. 7.	0-1	0-1
1x0024	Alarm no. 8.	0-1	0-1
1x0025	Alarm no. 9.	0-1	0-1
1x0026	Alarm no. 10.	0-1	0-1
1x0027	Alarm no. 11.	0-1	0-1
1x0028	Alarm no. 12.	0-1	0-1
1x0029	Alarm no. 13.	0-1	0-1
1x0030	Alarm no. 14.	0-1	0-1
1x0031	Alarm no. 15.	0-1	0-1
1x0032	Alarm no. 16.	0-1	0-1
1x0033	Alarm no. 17.	0-1	0-1
1x0034	Alarm no. 18.	0-1	0-1
1x0035	Alarm no. 19.	0-1	0-1
1x0036	Alarm no. 20.	0-1	0-1

1x0037	Alarm no. 21.	0-1	0-1
1x0038	Alarm no. 22.	0-1	0-1
1x0039	Alarm no. 23.	0-1	0-1
1x0040	Alarm no. 24.	0-1	0-1
1x0041	Alarm no. 25.	0-1	0-1
1x0042	Alarm no. 26.	0-1	0-1
1x0043	Alarm no. 27.	0-1	0-1
1x0044	Alarm no. 28.	0-1	0-1
1x0045	Alarm no. 29.	0-1	0-1
1x0046	Alarm no. 30.	0-1	0-1
1x0047	Alarm no. 31.	0-1	0-1
1x0048	Alarm no. 32.	0-1	0-1
1x0049	Alarm no. 33.	0-1	0-1
1x0050	Alarm no. 34.	0-1	0-1
1x0051	Alarm no. 35.	0-1	0-1
1x0052	Alarm no. 36.	0-1	0-1
1x0053	Alarm no. 37.	0-1	0-1
1x0054	Alarm no. 38.	0-1	0-1
1x0055	Alarm no. 39.	0-1	0-1
1x0056	Alarm no. 40.	0-1	0-1
1x0057	Alarm no. 41.	0-1	0-1

1x0058	Alarm no. 42.	0-1	0-1
1x0059	Alarm no. 43.	0-1	0-1
1x0060	Alarm no. 44.	0-1	0-1
1x0061	Alarm no. 45.	0-1	0-1
1x0062	Alarm no. 46.	0-1	0-1
1x0063	Alarm no. 47.	0-1	0-1
1x0064	Alarm no. 48.	0-1	0-1
1x0065	Alarm no. 49.	Not used	0-1
1x0066	Alarm no. 50.	Not used	0-1
1x0067	Alarm no. 51.	Not used	0-1
1x0068	Alarm no. 52.	Not used	0-1
1x0069	Alarm no. 53.	Not used	0-1
1x0070	Alarm no. 54.	Not used	0-1
1x0071	Alarm no. 55.	Not used	0-1
1x0072	Alarm no. 56.	Not used	0-1
1x0073	Alarm no. 57.	Not used	0-1
1x0074	Alarm no. 58.	Not used	0-1
1x0075	Alarm no. 59.	Not used	0-1
1x0076	Alarm no. 60.	Not used	0-1
1x0077	Alarm no. 61.	Not used	0-1

**Input Registers. 16-bit integer value (RO).**

Modbus	Name	Min/Max verA	Min/Max verB
<b>3x0001</b>	<b>Operation mode.</b>	1-200	0-255
	VerA indicates the AHU handterminal menu. VerB operationstatus for the AHU. 00=Stop alarm, 01=Manual stop, 02=Ext.stop, 03=RS232 stop, 04=S-CL stop, 10=Manual LS, 11=S-CL LS, 12=Ext.LS, 13=RS232 LS, 14=Prolonged LS, 20=Manual HS, 21=Ext.HS, 22=RS232 HS, 23=S-CL HS, 24=Prolonged HS, 30=SN-Cool, 31=Reecooling, 40=Manual test OP, 41=Duct airflow adj, 42=Filtercalibration.		
<b>3x0002</b>	<b>Delayed ext. HS_min.</b>	0-59	0-59
	Remaining time for prolonged highspeed.		
<b>3x0003</b>	<b>Delayed ext. HS_hour.</b>	0-23	0-23
	Remaining time for prolonged highspeed.		
<b>3x0004</b>	<b>Delayed ext. LS_min.</b>	Not used	0-59
	Remaining time for prolonged lowspeed.		
<b>3x0005</b>	<b>Delayed ext. LS_hour.</b>	Not used	0-23
	Remaining time for prolonged lowspeed.		
<b>3x0006</b>	<b>SF flow.</b>	0-4000l/s	0-8000l/s
	Current supply air fan flow.		
<b>3x0007</b>	<b>EF flow.</b>	0-4000l/s	0-8000l/s
	Current exhaust air fan flow.		
<b>3x0008</b>	<b>SF VAV level.</b>	0-100.0%	0-100.0%
	Current level of the supply air input signal for the VAV/Forcing function .		
<b>3x0009</b>	<b>EF VAV level.</b>	0-100.0%	0-100.0%
	Current level of the exhaust air input signal for the VAV/Forcing function .		
<b>3x0010</b>	<b>SF level.</b>	0-100.0%	0-100.0%
	Current running level for the supply air fan.		
<b>3x0011</b>	<b>EF level.</b>	0-100.0%	0-100.0%
	Current running level for the exhaust air fan.		
<b>3x0012</b>	<b>Heat exch. Level.</b>	0-100.0%	0-100.0%
	Current level for the heat exchanger.		

<b>3x0013</b>	<b>SA temp.</b>	0-40.00°C	-55.00-125.00°C
	Current supply air temperature.		
<b>3x0014</b>	<b>OUT-D temp.</b>	-20.00-40.00°C	-55.00-125.00°C
	Current outdoor air temperature.		
<b>3x0015</b>	<b>EA temp.</b>	0-40.00°C	-55.00-125.00°C
	Current exhaust air temperature.		
<b>3x0016</b>	<b>SA temp regulation.</b>	0-40.00°C	-55.00-125.00°C
	Current supply air regulator temperature setpoint.		
<b>3x0017</b>	<b>FP temp.</b>	0-40.00°C	-55.00-125.00°C
	Current frost protection temperature.		
<b>3x0018</b>	<b>Reheat level.</b>	0-100.0%	0-100.0%
	Current level for the reheater coil.		
<b>3x0019</b>	<b>Cooling level.</b>	0-100.0%	0-100.0%
	Current level for cooling.		
<b>3x0020</b>	<b>SA filter level.</b>	0-100.0%	0-2000Pa
	Current level for the supply air filter.		
<b>3x0021</b>	<b>EA filter level.</b>	0-100.0%	0-2000Pa
	Current level for the exhaust air filter.		
<b>3x0022</b>	<b>SF filter alarm level.</b>	Not used	0-2000Pa
	Current alarm level for the supply air filter.		
<b>3x0023</b>	<b>EF filter alarm level.</b>	Not used	0-2000Pa
	Current alarm level for the exhaust air filter.		
<b>3x0024</b>	<b>Alarm No.</b>	0-48	0-49
	Active alarm No.		
<b>3x0025</b>	<b>Air handling unit.</b>	0-1	0,2
	0=No communication.		
	1=Version 4 or A.		
	2=Version B.		



<b>3x0026</b>	<b>Copy of Input Status 1-16.</b>	0-65535	0-65535
	Bit 0 = 1x0001		
	Bit 1 = 1x0002		
	Bit 15 = 1x0016		
<b>3x0027</b>	<b>Copy of Input Status 17-32.</b>	0-65535	0-65535
	Bit 0 = 1x0017		
	Bit 1 = 1x0018		
	Bit 15 = 1x0032		
<b>3x0028</b>	<b>Copy of Input Status 33-48.</b>	0-65535	0-65535
	Bit 0 = 1x0033		
	Bit 1 = 1x0034		
	Bit 15 = 1x0048		
<b>3x0029</b>	<b>Copy of Input Status 49-64.</b>	0-65535	0-65535
	Bit 0 = 1x0049		
	Bit 1 = 1x0050		
	Bit 15 = 1x0064		
<b>3x0030</b>	<b>Copy of Input Status 65-77.</b>	0-65535	0-65535
	Bit 0 = 1x0065		
	Bit 1 = 1x0066		
	Bit 12 = 1x0077		
<b>3x0031</b>	<b>SF flow regulation.</b>	0-4000l/s	0-8000l/s
	Current supply fan regulator flow setpoint.		
<b>3x0032</b>	<b>EF flow regulation.</b>	0-4000l/s	0-8000l/s
	Current exhaust fan regulator flow setpoint.		
<b>3x0033</b>	<b>EA temp regulation.</b>	0-40.00°C	0-40.00°C
	Current exhaust air regulator temperature setpoint.		
<b>3x0034</b>	<b>SF VAV regulation.</b>	Not used	0-100.0%
	Current level for the supply fan VAV regulator.		
<b>3x0035</b>	<b>EF VAV regulation.</b>	Not used	0-100.0%
	Current level for the exhaust fan VAV regulator.		
<b>3x0036</b>	<b>Operating time.</b>	0-9999	0-9999
	Shows how many 24-hour days the unit operated.		
<b>3x0037</b>	<b>Program version.</b>	Not used	0-65535
	Program version in GOLD AHU.		
<b>3x0038</b>	<b>Coolforcing level.</b>	0-100.0%	0-100.0%
	Current level for coolforcing.		

**Holding Registers. 16-bit integer value (R/W).**

Modbus	Name	Min/Max verA	Min/Max verB
4x0001	<b>Second.</b>	0-59	0-59
	The AHU internal time.		
4x0002	<b>Minute.</b>	0-59	0-59
	The AHU internal time.		
4x0003	<b>Hour.</b>	0-23	0-23
	The AHU internal time.		
4x0004	<b>Date.</b>	0-31	0-31
	The AHU internal time.		
4x0005	<b>Weekday.</b>	1-7	1-7
	The AHU internal time.		
4x0006	<b>Month.</b>	1-12	1-12
	The AHU internal time.		
4x0007	<b>Year.</b>	2000-2099	2000-2099
	The AHU internal time.		
4x0008	<b>Switch clock Channel1 start-minut.</b>	0-59	0-59
4x0009	<b>Switch clock Channel1 start-hour.</b>	0-23	0-23
4x0010	<b>Switch clock Channel1 stop-minut.</b>	0-59	0-59
4x0011	<b>Switch clock Channel1 stop-hour.</b>	0-23	0-23
4x0012	<b>Switch clock Channel1 period.</b>	0-9	0-10,128-138
	VerA 0=Not active. 1=Monday. 2=Tuesday. 3=Wednesday. 4=Thursday. 5=Friday. 6=Saturday. 7=Sunday. 8=Monday..Friday. 9=Monday..Sunday.		
	VerB 0=HS 128=LS Not active. 1=HS 129=LS Monday. 2=HS 130=LS Tuesday. 3=HS 131=LS Wednesday. 4=HS 132=LS Thursday. 5=HS 133=LS Friday. 6=HS 134=LS Saturday. 7=HS 135=LS Sunday. 8=HS 136=LS Monday..Friday. 9=HS 137=LS Monday..Sunday. 10=HS 138=LS Saturday..Sunday.		

4x0013	Switch clock Channel2 start-minut.	0-59	0-59
4x0014	Switch clock Channel2 start-hour.	0-23	0-23
4x0015	Switch clock Channel2 stop-minut.	0-59	0-59
4x0016	Switch clock Channel2 stop-hour.	0-23	0-23
4x0017	Switch clock Channel2 period.	0-9	0-10,128-138
4x0018	Switch clock Channel3 start-minut.	0-59	0-59
4x0019	Switch clock Channel3 start-hour.	0-23	0-23
4x0020	Switch clock Channel3 stop-minut.	0-59	0-59
4x0021	Switch clock Channel3 stop-hour.	0-23	0-23
4x0022	Switch clock Channel3 period.	0-9	0-10,128-138
4x0023	Switch clock Channel4 start-minut.	0-59	0-59
4x0024	Switch clock Channel4 start-hour.	0-23	0-23
4x0025	Switch clock Channel4 stop-minut.	0-59	0-59
4x0026	Switch clock Channel4 stop-hour.	0-23	0-23
4x0027	Switch clock Channel4 period.	0-9	0-10,128-138
4x0028	Switch clock Channel5 start-minut.	0-59	0-59
4x0029	Switch clock Channel5 start-hour.	0-23	0-23
4x0030	Switch clock Channel5 stop-minut.	0-59	0-59
4x0031	Switch clock Channel5 stop-hour.	0-23	0-23
4x0032	Switch clock Channel5 period.	0-9	0-10,128-138
4x0033	Switch clock Channel6 start-minut.	0-59	0-59
4x0034	Switch clock Channel6 start-hour.	0-23	0-23
4x0035	Switch clock Channel6 stop-minut.	0-59	0-59
4x0036	Switch clock Channel6 stop-hour.	0-23	0-23
4x0037	Switch clock Channel6 period.	0-9	0-10,128-138
4x0038	Switch clock Channel7 start-minut.	0-59	0-59
4x0039	Switch clock Channel7 start-hour.	0-23	0-23
4x0040	Switch clock Channel7 stop-minut.	0-59	0-59
4x0041	Switch clock Channel7 stop-hour.	0-23	0-23
4x0042	Switch clock Channel7 period.	0-9	0-10,128-138
4x0043	Switch clock Channel8 start-minut.	0-59	0-59
4x0044	Switch clock Channel8 start-hour.	0-23	0-23
4x0045	Switch clock Channel8 stop-minut.	0-59	0-59
4x0046	Switch clock Channel8 stop-hour.	0-23	0-23
4x0047	Switch clock Channel8 period.	0-9	0-10,128-138
4x0048	Delayed ext. HS_hour Set.	0-3	0-23
	Setting for prolonged highspeed.		
4x0049	Delayed ext. HS_min Set.	0-59	0-59
	Setting for prolonged highspeed.		
4x0050	Delayed ext. LS_hour Set.	Not used	0-23
	Setting for prolonged lowspeed.		

<b>4x0051</b>	<b>Delayed ext. LS_min Set.</b>	Not used	0-59
	Setting for prolonged lowspeed.		
<b>4x0052</b>	<b>SF lowspeed.</b>	0-4000 l/s	0-8000 l/s
	Air flow setpoint of the supply air fan running at lowspeed.		
<b>4x0053</b>	<b>EF lowspeed.</b>	0-4000 l/s	0-8000 l/s
	Air flow setpoint of the exhaust air fan running at lowspeed.		
<b>4x0054</b>	<b>SF highspeed.</b>	0-4000 l/s	0-8000 l/s
	Air flow setpoint of the supply air fan running at highspeed.		
<b>4x0055</b>	<b>EF highspeed.</b>	0-4000 l/s	0-8000 l/s
	Air flow setpoint of the exhaust air fan running at highspeed.		
<b>4x0056</b>	<b>SF maxspeed.</b>	0-4000 l/s	0-8000 l/s
	Air flow max. limit of the supply air fan.		
<b>4x0057</b>	<b>EF maxspeed.</b>	0-4000 l/s	0-8000 l/s
	Air flow max. limit of the supply air fan.		
<b>4x0058</b>	<b>SF VAV higspeed set.</b>	0-100.0%	0-100.0%
	Duct pressure setpoint of the supply air fan running at highspeed.		
<b>4x0059</b>	<b>EF VAV highspeed set.</b>	0-100.0%	0-100.0%
	Duct pressure setpoint of the exhaust air fan running at highspeed.		
<b>4x0060</b>	<b>SF VAV lowspeed set.</b>	Not used	0-100.0%
	Duct pressure setpoint of the supply air fan running at lowspeed.		
<b>4x0061</b>	<b>EF VAV lowspeed set.</b>	Not used	0-100.0%
	Duct pressure setpoint of the exhaust air fan running at lowspeed.		
<b>4x0062</b>	<b>Flow regulation.</b>	1-3	0-3
	VerA setting of flow/fan regulation type. 1=Flow, 2=VAV, 3=Boost/forcing. VerB setting of flow/fan regulation type. 0=Flow, 1=VAV-pressure, 2=VAV-demand 3=Boost/forcing.		
<b>4x0063</b>	<b>Reg.speed VAV SA.</b>	Not used	0-9
	Setting for VAV regulation speed.		
<b>4x0064</b>	<b>Reg.speed VAV EA.</b>	Not used	0-9
	Setting for VAV regulation speed.		

<b>4x0065</b>	<b>SF downreg. NZ.</b>	Not used	0-9.90°C
	Neutralzone before dowregulation of the supply air fan gains.		
<b>4x0066</b>	<b>Temperature regulation.</b>	1-3	1-3
	Setting of temperature regulation type. 1=ERS, 2= SA, 3=EA.		
<b>4x0067</b>	<b>SA temp set.</b>	10.00-30.00°C	10-40.00°C
	Supply air temperature setpoint.		
<b>4x0068</b>	<b>EA temp set.</b>	10.00-30.00°C	10.00-40.00°C
	Exhaust air temperature setpoint.		
<b>4x0069</b>	<b>Min SA temp.</b>	0-18.00°C	10.00-18.00°C
	Min. supply air temperature setpoint in conjunction with EA-regulation.		
<b>4x0070</b>	<b>Max SA temp.</b>	19.00-60.00°C	20.00-50.00°C
	Max. supply air temperature setpoint in conjunction with EA-regulation.		
<b>4x0071</b>	<b>ERS DIFF.</b>	0-7.00°C	1.00-10.00°C
	Differential temperature at ERS-reg.		
<b>4x0072</b>	<b>ERS Brakepoint.</b>	12.00-30.00°C	10.00-30.00°C
	Brakepoint temperature at ERS-reg.		
<b>4x0073</b>	<b>ERS-step.</b>	1-4	1-4
	Setting for step at ERS temperature regulation.		
<b>4x0074</b>	<b>Reg.speed temp SA.</b>	Not used	0-9
	Setting for temperature regulation speed.		
<b>4x0075</b>	<b>Reg.speed temp EA.</b>	Not used	0-9
	Setting for temperature regulation speed.		
<b>4x0076</b>	<b>Filtertest time hour.</b>	0-23	Not used
<b>4x0077</b>	<b>Filtertest time min.</b>	0-59	Not used
<b>4x0078</b>	<b>Alarmlimit SF filter.</b>	0-99.0%	0-99.0%
	Alarmlimit setpoint of the supply air filter.		
<b>4x0079</b>	<b>Alarmlimit EF filter.</b>	0-99.0%	0-99.0%
	Alarmlimit setpoint of the exhaust air filter.		
<b>4x0080</b>	<b>SN-COOL EA temp Start.</b>	17.00-27.00°C	20.00-30.00°C
	Temperature limit for the summer-night cooling function.		
<b>4x0081</b>	<b>SN-COOL EA temp Stop.</b>	12.00-22.00°C	10.00-18.00°C
	Temperature limit for the summer-night cooling function.		
<b>4x0082</b>	<b>SN-COOL OUT temp Start.</b>	5.00-15.00°C	10.00-15.00°C
	Temperature limit for the summer-night cooling function.		

<b>4x0083</b>	<b>ServicePeriod.</b>	0-99	0-99
	AHU setting for Service period month.		
<b>4x0084</b>	<b>Copy of Coil Status.</b>	0-65535	0-65535
	Bit 0 = 0x0001		
	Bit 1 = 0x0002		
	Bit 15 = 0x0016		
<b>4x0085</b>	<b>Outdoor temp comp. X1.</b>	Not used	-30.00-(-10.00)°C
	Indicate where the winter comp. curve ends.		
<b>4x0086</b>	<b>Outdoor temp comp. X2.</b>	Not used	-10.00-15.00°C
	Indicate where the winter comp. curve begins.		
<b>4x0087</b>	<b>Outdoor temp comp. X3.</b>	Not used	15.00-25.00°C
	Indicate where the summer comp. curve begins.		
<b>4x0088</b>	<b>Outdoor temp comp. X4.</b>	Not used	25.00-40.00°C
	Indicate where the summer comp. curve ends.		
<b>4x0089</b>	<b>Outdoor temp comp. Y1.</b>	0-10.00°C	0-10.00°C
	Indicate the maximum level of winter comp.		
<b>4x0090</b>	<b>Outdoor temp comp. Y2.</b>	-10.00-10.00°C	-10.00-10.00°C
	Indicate the maximum level of summer comp.		
<b>4x0091</b>	<b>Outdoor flow comp. X1.</b>	Not used	-30.00-(-10.00)°C
	Indicate where the winter comp. curve ends.		
<b>4x0092</b>	<b>Outdoor flow comp. X2.</b>	Not used	-10.00-20.00°C
	Indicate where the winter comp. curve begins.		
<b>4x0093</b>	<b>Outdoor flow comp. Y1.</b>	Not used	0-50.0%
	Indicate the maximum level of winter comp.		
<b>4x0094</b>	<b>Coolforcing.</b>	0-2	0-2
	Setting of coolforcing.		
	0=Not active.		
	1=Comfort.		
	2=Economy.		
<b>4x0095</b>	<b>Neutral zone.</b>	0.50-5.00°C	0.50-10.00°C
	Setting of neutral zone size.		
<b>Min/max for Par. 67,68,69,70,71,72 are limitet from the AHU handterminal.</b>			