Kanal - CO_2 / Luftfuktighet/Temperaturdetektor Modbus RTU, Ethernet, LCD-display

DCHT 24

Jan. 16

Utmärkande egenskaper:

- **Högpresterande digitala givare och kretsar säkerställer noggrann mätning och temperaturkompensation**
- **God långtidsstabilitet och tillförlitlighet**
- **100-procentigt utbytbara givare på fältet Ingen omkalibrering behövlig**
- **Flera valbara utsignaler: 0-5Vdc/0-10Vdc/4-20mA**
- **Visning i grader Fahrenheit eller Celsius**
- **Modbus RTU för digital aväsning på alla modeller. Ethernet som tillval**
- **Enkel felsökning med pluggbara detektorer och kretskort**

Tekniska data:

CO_2	
Givare	Dubbla mätelement
Område	0-2000 ppm
Utgång	Modbus RTU och analog utgång 0-5Vdc/0-10Vdc/4-20mA, Ethernet
Noggrannhet	±70 ppm eller ±5% på avläst värde
Avdrift	<50ppm/år/fullskala

Relativ fuktighet	
Givare	Kapacitanspolymer
Område	0 - 100% r.H icke-kondenserande
Utgång	0-5Vdc/0-10Vdc/4-20mA, Modbus RTU, Ethernet
Noggrannhet	5% r.H (25°C, 20 - 80% r.H)
Avdrift	< ±0.5% r.H / år

Temperature	
Givare	NTC 10K internt
Område	-30 till +70°C
Utgång	0-5Vdc/0-10Vdc/4-20mA, Modbus RTU, Ethernet
Noggrannhet	< ±0.5°C @ 25°C

General	
Strömförsörjning	15 till 24Vac/dc ±10%, 2W typiskt
Max. belastning	< 500Ω, 75mA max uteffekt
Display	LCD-skärm, 130 x 80-matris, bakgrundsbelyst
Displayupplösning	0,1°C, 0,1% r.H, 1 ppm
Temperaturgräns	-40 till 150°C, 0 - 95% r.H, icke-kondenserande
Plasthölje	Flamsäkerhet UL 94V0 file E194560
Larmanslutning	200 mA@12Vdc
RS 485-port	2

Applikationer

CO_2 -givare med fukt & temperaturdetektorer avsedda för miljöövervakning och styrsystem inom industri, kommersiella och andra byggnader.

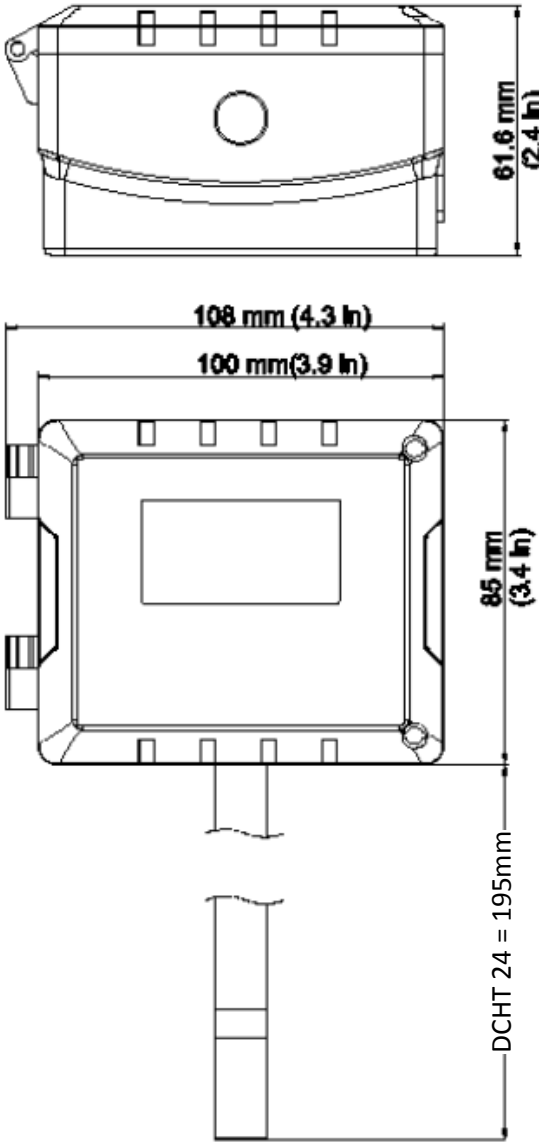
Dessa detektorer kan användas för att övervaka CO_2 -nivåer, luft-temperatur och luftfuktighet i:

- olika industrianläggningar
- renrum
- laboratorier
- maskinrum
- kontor
- kommersiella byggnader
- flygplatser
- stationer
- bibliotek och arenor
- Använd på traditionellt sätt för analog utgång till andra styrenheter eller använd Modbus RTU och Ethernet för att integrera över nätverket.

Beställningskoder	
DCHT 24	Kanal, CO_2, RH+T, Modbus RTU, 0-2000ppm
DC 24	Kanal, CO_2, Modbus RTU, 0-2000ppm
DCHT 24E	Kanal, CO_2, RH+T, Ethernet, 0-2000ppm
DC 24E	Kanal, CO_2, Ethernet, 0-2000ppm
SIR 12	Sirén
JARA	Converter
Tillval	0 - 3000, 0 - 5000, 0 - 10000ppm

Dimensioner

DCHT 24



Externt larm, SIR 12

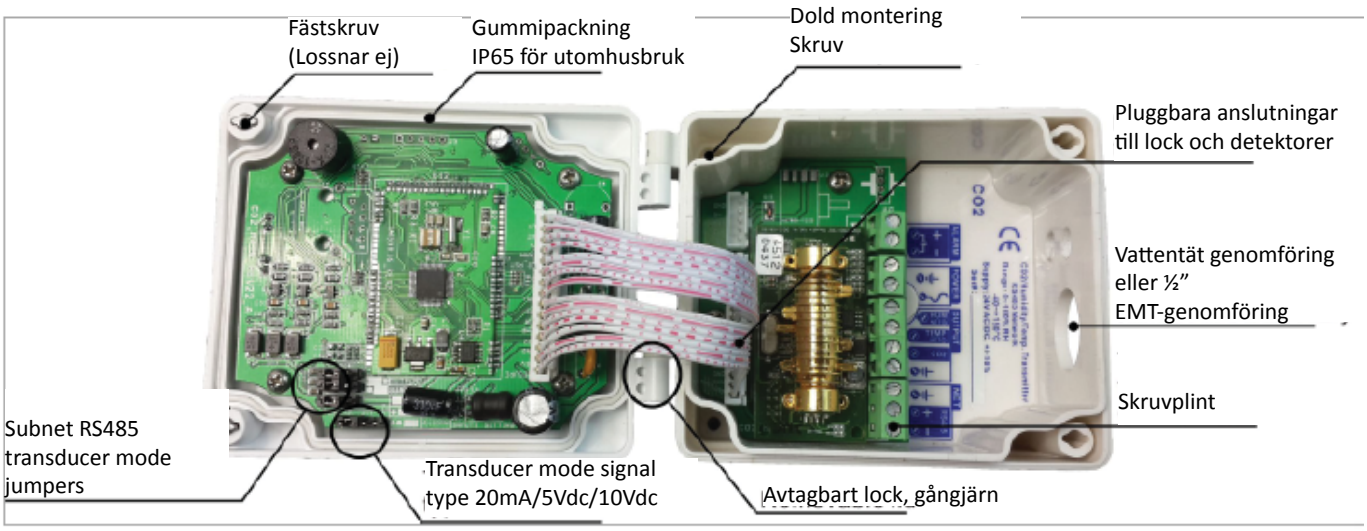
Vid anslutning till transmitteer ljuder och blinkar detta externa larm med en röd lampa när CO_2-nivåerna blir "DÅLIGA".

Man kan ställa in larmgränser i menyn med hjälp av Modbus RTU.

Det finns två larmgränser:

1. **Larm för bra luft**: Larmutgången aktiveras för LARM PÅ i inställt antal sekunder och sedan stängas av för LARM AV efter inställt antal sekunder, och stängas av vid på-av-på-av.
2. **Larm för dålig luft**: Larmutgången slås på och och fortsätter vara på.

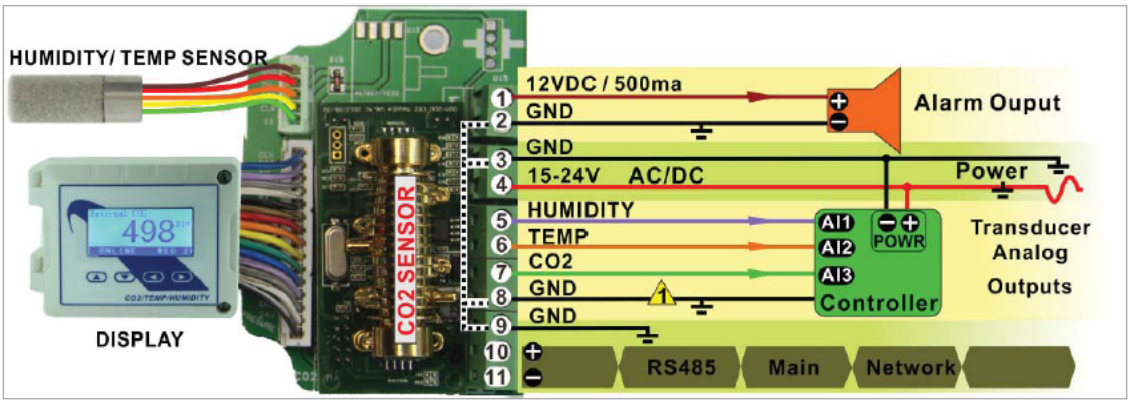
1. ALARM_ON, kan ställas in i registret 1247 med ethernet eller registret 152 utan ethernet.
2. ALARM_OFF, kan ställas in i registret 1248 med ethernet eller registret 153 utan ethernet.
3. Börvärdet för "fair" kan ställas in i registret 213 med ethernet eller registret 155 utan ethernet.
4. Börvärdet för "Poor" kan ställas in i registret 214 med ethernet eller registret 156 utan ethernet.



Kopplingsschma

Schemat nedan visar anslutningen för detektorns vanliga driftläge
Detektorutgångar ansluts till en huvudstyrenhet med traditionella analoga utsignaler.

RS485-nätverket finns tillgängligt för överföring av samma digitalt värden till andra styrenheter i systemet genom att man ansluter till RS485-nätverket på stiften 10 och 11.



Anslutningar - “Master”-/slavläge

Nedanstående schema visar anslutningarna i “Master” -läge där enheten fungerar som en inkörsport till ett undernät med slavsensorer.

Detta är ett speciellt driftläge och de flesta användare behöver inte tänka på detaljerna i den här funktionen.

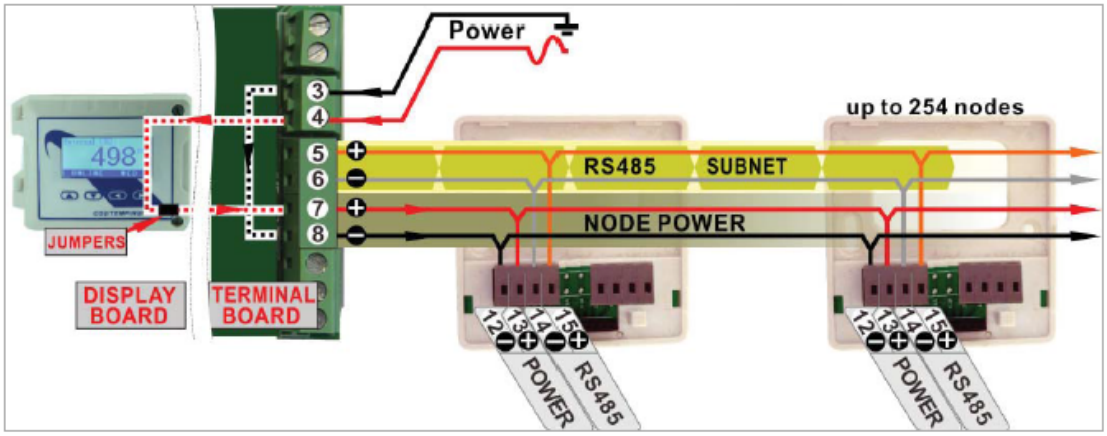
Huvudnätverket RS485 är fortfarande tillgängligt på stiften 10 och 11 för anslutning till andra “masters” i systemet enligt ovan, men detektorns analoga signaler inte är tillgängliga nu.

I stället har vi nu en andra RS485-port som kan användas för att hämta ett underliggande nät med fjärrdetektorer till RS485 CO_2.

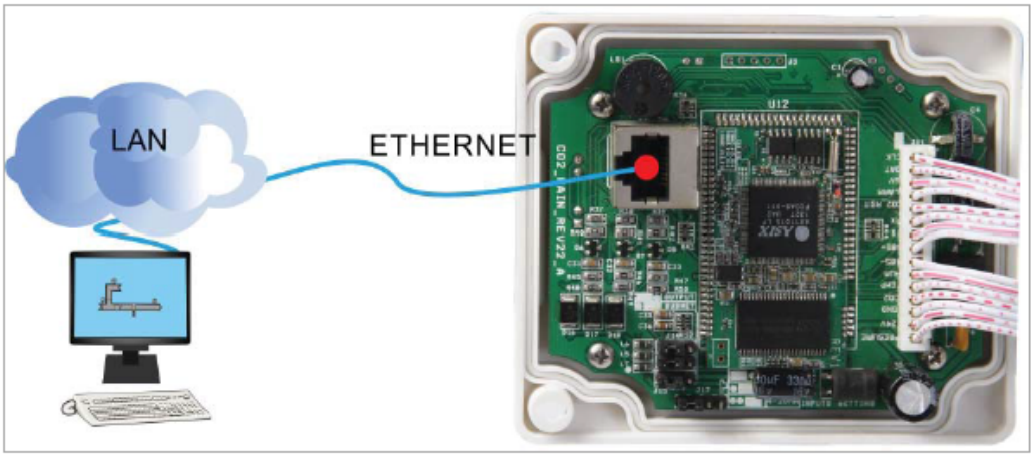
Enheten fungerar som en Modbusslav på huvudnätverket och som en “master” på “sub”-nätverket.

Ström till noderna kan anslutas på stiften 5 och 6 tillsammans med RS485-kabeln.

I detta fallet kommer strömmen från displaykortet och byglar såsom visas med de streckade linjerna. Om det finns fler än fem. . .



Ethernetanslutning, DCHT 24E

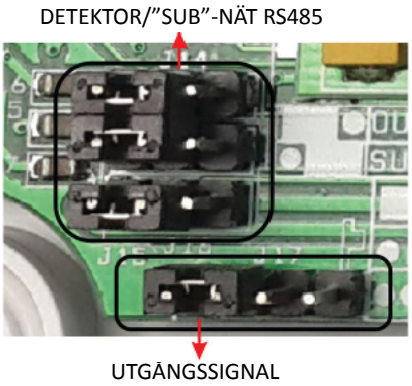


Bygelinställningar

Diagrammet nedan visar anslutningarna detektorns vanliga driftläge.

Detektorutgångarna ansluter till en huvudstyrenhet med traditionella analoga utsignaler.

RS485 nätverket är tillgängligt för överföring av samma värden digitalt till andra regulatorer i systemet genom att man ansluter till RS485 nätverket på stiften 10 och 11.

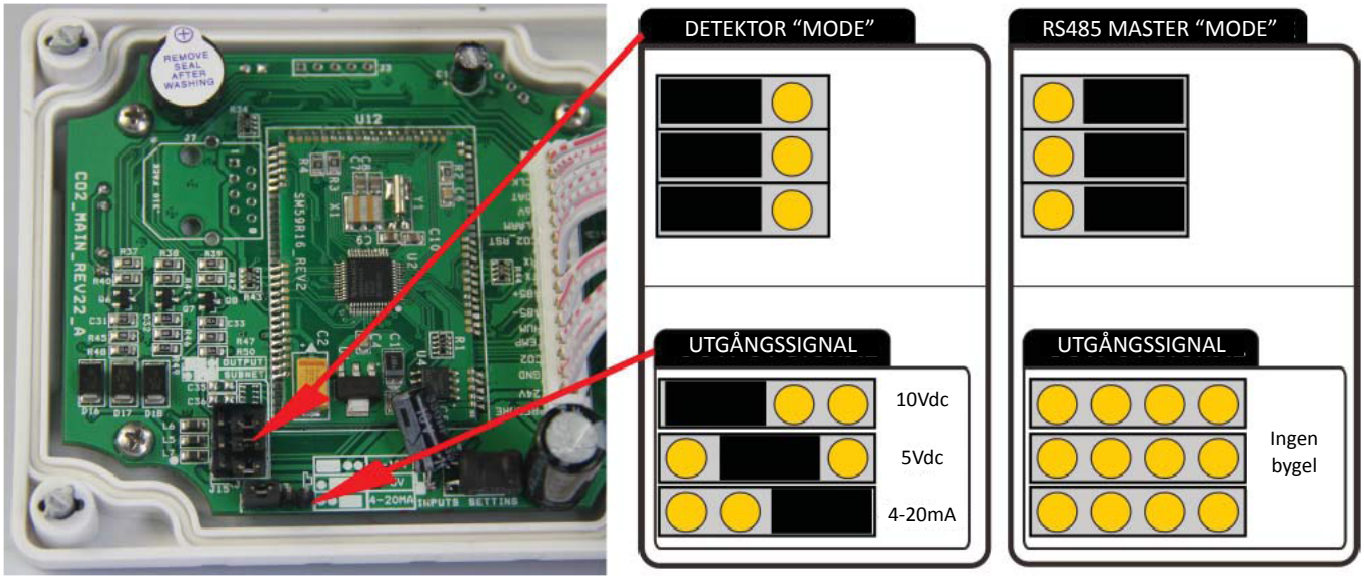


Nästa diagram visar anslutningar i "master"-läge där anordningen fungerar som en inkörsport till ett undernät av slavdetektorer.

Detta är en speciell funktion och de flesta användare behöver inte tänka på detaljerna i den här funktionen.

Huvudnätverket RS485 är fortfarande tillgängligt på stiften 10 och 11 för att kunna ansluta till andra huvudenheter i systemet enligt vad som ovan valts med bygeln till "UTGÅNG SIGNAL" som finns längst ned på kortet. En enda bygel ställer in alla tre utgångssignalerna .

Det enda man behöver göra för de flesta tillämpningar är att ställa denna enda bygel till lämplig signaltyp: 4-20 mA, 0-10Vdc eller 0-5Vdc.



I speciella fall kan detektorn användas som en gateway och huvudstyrenhet för en grupp av detektorer fördelade i hela byggnaden.

Detta är en speciell funktion som de flesta användare inte behöver tänka på men detta förklaras här kortfattat.

Enheten har två RS485-portar. Huvudporten RS485 är alltid aktiverad och har inga byglar att ställa in. Den används för att ställa in temperatur-, fuktighets och CO_2-värden med hjälp av Modbus-kommandon.

Den andra RS485 porten är inte aktiverad som standard. Man kan aktivera den genom att ställa in alla tre byglarna i gruppen för "DETEKTOR / RS485 i vänsterläget.

Enheten kan sedan anslutas över RS485 för att hämta ett undernät av RS485-enheter och kommer att fungera som en inkörsport och "master" till nätverket.

De analoga utsignalerna kommer att inaktiveras i det här läget. Bygeln för den analoga signaltypen är inte relevant och kan lämnas i vilket läge som helst.

Formler för spänning och strömstyrka

Max och min värdena är intervallets max och min värden. Intervallet kan ställas in av kund.
Standard temperaturområde: -30 till +70 °C

Standard fuktområde: 0-100 % r.H.
Standard CO_2-område: 0-2000ppm

0-10Vdv utgång	Temperatur(C)=[Spänning * (max_T - min_T) + 10 * min_T] /100
	Temperatur(F)=(°C)*9/5+32
	Fukt=[Spänning * (max_H - min_H)+10 * min_H)/100
	CO_2=Spänning * (max_C-min_C)/10+min
0-5Vdc utgång	Temperatur(C)=[Spänning * (max_T - min_T) + 5 * min_T] /50
	Temperatur(F)=(°C)*9/5+32
	Fukt=[Spänning * (max_H - min_H) + 5 * min_H)/50
	CO_2=Spänning * (max_C - min_C)/5+min_C
4-20mA	Temperatur(C)=(Strömstyrka-4) * (max_T - min_T) + min_T/10
	Temperatur(F)=(°C)*9/5+32
	Fukt=(Strömstyrka-4) x (max_H - min_H) + min_H/10
	CO_2=(Strömstyrka-4) x (max_C - min_C)/16 + min_C

Exampel

1. Produkt: DCHT
2. Utgångsområde: 0-10Vdc (Justera bygel för att välja 0-10Vdc på kretskortet)
3. Standardinställningarna R285 = 0 och R286 = 1000, vilket betyder att standardskalan är -30 till +70 °C, och kan ställas in av kunden.
   Spänning för mätning av temperatur: 7.8V
4. Temperatur(C)=[Spänning * (max_T - min_T) + 10 * min_T] /100
   =[7.8 * (1000-0) + 10 * 0]/100
   =78°C

CO_2 DCHT och WCHT utan nätverk		
Adress	**Registernamn**	**Registerbeskrivning**
0	CO2_485_MODBUS_SERIALNUM-BER_LOWORD	Serial Number - 4 byte value. Read-only
2	CO2_485_MODBUS_SERIALNUM-BER_HIWORD	Serial Number - 4 byte value. Read-only
4	CO2_485_MODBUS_VERSION_ NUM-BER_LO	Software Version – 2 byte value. Read-only
5	CO2_485_MODBUS_VERSION_ NUM-BER_HI	Software Version – 2 byte value. Read-only
6	CO2_485_MODBUS_ADDRESS	ADDRESS. Modbus device address
7	CO2_485_MODBUS_PRODUCT_ MODEL	Product Model. This is a read-only register that is used by the microcontroller to determine the product
8	CO2_485_MODBUS_HARDWARE_ REV	Hardware Revision. This is a read-only register that is used by the microcon- troller to determine the hardware rev
9	CO2_485_MODBUS_PIC_VERSION	PIC firmware version
10	CO2_485_MODBUS_ADDRESS_ PLUG_N_PLAY	PLUG_N_PLAY_ADDRESS,'plug n play' address, used by the network master to resolve address conflicts. See VC code for algorithms
15	CO2_485_MODBUS_BASE_AD-DRESS	Base address selection.0 = Protocol address,1 = PLC address.
16	CO2_485_MODBUS_UPDATE_STA-TUS	Firmware Update Register, used to show the status of firmware updates
17	CO2_485_MODBUS_SERINALNUM-BER_WRITE_FLAG	
100	CO2_485_MODBUS_TEMPERA-TURE_SENSOR_SELECT	"Temperature sensor select for display register 101&102. 0 = internal sensor. 1 = external sensor."
101	CO2_485_MODBUS_DEG_C_OR_F	Select the temperature value display on LCD in DegC or DecF, 1 = F, 0 = C.
102	CO2_485_MODBUS_ TEMPERATURE_C_INTERNAL	internal temperature value of Celsius degree with 0.1 degree resolution
103	CO2_485_MODBUS_ TEMPERATURE_F_INTERNAL	internal temperature value of Fahrenheit degree with 0.1 degree resolution
104	CO2_485_MODBUS_ TEMPERATURE_C_EXTERNAL	external temperature value of Celsius degree with 0.1 degree resolution
105	CO2_485_MODBUS_ TEMPERATURE_F_EXTERNAL	external temperature value of Fahrenheit degree with 0.1 degree resolution
106	CO2_485_MODBUS_HUMIDITY_RH	Relative humidity in percentage
107	CO2_485_MODBUS_HUMIDITY_ FREQUENCY	sensor frequency on time
108	CO2_485_MODBUS_HUM_SEN-SOR_HEATING	humidity sensro heating enable, 0 = disable, 1 = enable.
109	CO2_485_MODBUS_INTERNAL_ SEN-SOR_EXIST	Set 1 to this register if there is a co2 sensor inside the unit, else clear it to 0
110	CO2_485_MODBUS_INTERNAL_ CO2_PPM	the ppm of internal co2 sensor. It will be 65535 when there is not internal co2 sen-sor and display '***' on the LCD screen.
111	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_START	the ppm of external co2 sensor.
112	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_1	the ppm of external co2 sensor.
113	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_2	the ppm of external co2 sensor.
114	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_3	the ppm of external co2 sensor.

CO_2 DCHT och WCHT utan nätverk		
Adress	**Registernamn**	**Registerbeskrivning**
115	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_4	the ppm of external co2 sensor.
116	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_5	the ppm of external co2 sensor.
117	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_6	the ppm of external co2 sensor.
118	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_7	the ppm of external co2 sensor.
119	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_8	the ppm of external co2 sensor.
120	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_9	the ppm of external co2 sensor.
121	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_10	the ppm of external co2 sensor.
122	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_11	the ppm of external co2 sensor.
123	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_12	the ppm of external co2 sensor.
124	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_13	the ppm of external co2 sensor.
125	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_14	the ppm of external co2 sensor.
126	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_15	the ppm of external co2 sensor.
127	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_16	the ppm of external co2 sensor.
128	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_17	the ppm of external co2 sensor.
129	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_18	the ppm of external co2 sensor.
130	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_19	the ppm of external co2 sensor.
131	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_20	the ppm of external co2 sensor.
132	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_21	the ppm of external co2 sensor.
133	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_22	the ppm of external co2 sensor.
134	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_23	the ppm of external co2 sensor.
135	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_24	the ppm of external co2 sensor.
136	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_25	the ppm of external co2 sensor.
137	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_26	the ppm of external co2 sensor.
138	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_27	the ppm of external co2 sensor.
139	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_28	the ppm of external co2 sensor.
140	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_29	the ppm of external co2 sensor.

CO_2 DCHT och WCHT utan nätverk		
Adress	**Registernamn**	**Registerbeskrivning**
141	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_30	the ppm of external co2 sensor.
142	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_31	the ppm of external co2 sensor.
143	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_32	the ppm of external co2 sensor.
144	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_33	the ppm of external co2 sensor.
145	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_34	the ppm of external co2 sensor.
146	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_35	the ppm of external co2 sensor.
147	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_36	the ppm of external co2 sensor.
148	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_37	the ppm of external co2 sensor.
149	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_38	the ppm of external co2 sensor.
150	CO2_485_MODBUS_EXTERNAL_ CO2_PPM_39	the ppm of external co2 sensor.
151	CO2_485_MODBUS_ALARM_AUTO_ MANUAL	"""Alarm output and alarm state register: Bit7: 0 = Auto, 1 = Manual. Bit(1:0): 00 = alarm relay state is off, 01 = relay is pulsing in prealarm mode as defined by reg119, 10 = continuous alarm, on always"""
152	CO2_485_MODBUS_PRE_ALARM_ SETTING_ON_ TIME	The ring on period of alarm in beeping/prealarm mode. (sec- onds, max = 20 seconds)
153	CO2_485_MODBUS_PRE_ALARM_ SETTING_OFF_ TIME	The ring off period of alarm in beeping/prealarm mode. (sec- onds, max = 20 seconds)
154	CO2_485_MODBUS_ALARM_DE- LAY_TIME	If the alarm is enabled, the unit will delay x seconds before turn on the beeper.
155	CO2_485_MODBUS_INT_PRE_ ALARM_SETPOINT	The pre_alarm ppm setpoint of internal co2 sensor.
156	CO2_485_MODBUS_INT_ALARM_ SETPOINT	The continuous_alarm ppm setpoint of internal co2 sensor.
157	CO2_485_MODBUS_INT_CO2_OFF- SET	The ppm offset for calibrating the internal co2 sensor ppm.
158	CO2_485_MODBUS_CO2_SLOPE_DE- TECT_VALUE	Delta value for eliminating the pulse ppm value. The default value is 200.
159	CO2_485_MODBUS_CO2_FILTER	Fitler times, make the ppm value go smooth. The default value is 5.
160	CO2_485_MODBUS_EXT_PRE_ ALARM_SETPOINT_ START	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
161	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_1	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
162	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_2	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
163	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_3	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
164	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_4	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
165	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_5	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
166	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_6	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.

CO_2 DCHT och WCHT utan nätverk		
Adress	**Registernamn**	**Registerbeskrivning**
167	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_7	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
168	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_8	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
169	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_9	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
170	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_10	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
171	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_11	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
172	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_12	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
173	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_13	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
174	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_14	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
175	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_15	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
176	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_16	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
177	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_17	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
178	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_18	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
179	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_19	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
180	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_20	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
181	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_21	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
182	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_22	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
183	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_23	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
184	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_24	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
185	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_25	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
186	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_26	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
187	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_27	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
188	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_28	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
189	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_29	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
190	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_30	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
191	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_31	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
192	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_32	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.

CO_2 DCHT och WCHT utan nätverk		
Adress	**Registernamn**	**Registerbeskrivning**
193	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_33	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
194	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_34	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
195	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_35	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
196	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_36	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
197	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_37	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
198	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_38	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
199	CO2_485_MODBUS_EXT_PRE_ ALARM_SET- POINT_39	The pre_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
200	CO2_485_MODBUS_EXT_ALARM_ SETPOINT_ START	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
201	CO2_485_MODBUS_EXT_ALARM_ SETPOINT_1	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
202	CO2_485_MODBUS_EXT_ALARM_ SETPOINT_2	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
203	CO2_485_MODBUS_EXT_ALARM_ SETPOINT_3	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
204	CO2_485_MODBUS_EXT_ALARM_ SETPOINT_4	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
205	CO2_485_MODBUS_EXT_ALARM_ SETPOINT_5	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
206	CO2_485_MODBUS_EXT_ALARM_ SETPOINT_6	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
207	CO2_485_MODBUS_EXT_ALARM_ SETPOINT_7	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
208	CO2_485_MODBUS_EXT_ALARM_ SETPOINT_8	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
209	CO2_485_MODBUS_EXT_ALARM_ SETPOINT_9	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
210	CO2_485_MODBUS_EXT_ALARM_ SETPOINT_10	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
211	CO2_485_MODBUS_EXT_ALARM_ SETPOINT_11	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
212	CO2_485_MODBUS_EXT_ALARM_ SETPOINT_12	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
213	CO2_485_MODBUS_EXT_ALARM_ SETPOINT_13	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
214	CO2_485_MODBUS_EXT_ALARM_ SETPOINT_14	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
215	CO2_485_MODBUS_EXT_ALARM_ SETPOINT_15	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
216	CO2_485_MODBUS_EXT_ALARM_ SETPOINT_16	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
217	CO2_485_MODBUS_EXT_ALARM_ SETPOINT_17	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
218	CO2_485_MODBUS_EXT_ALARM_ SETPOINT_18	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.

CO_2 DCHT och WCHT utan nätverk		
Adress	**Registernamn**	**Registerbeskrivning**
219	CO2_485_MODBUS_EXT_ALARM_SETPOINT_19	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
220	CO2_485_MODBUS_EXT_ALARM_SETPOINT_20	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
221	CO2_485_MODBUS_EXT_ALARM_SETPOINT_21	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
222	CO2_485_MODBUS_EXT_ALARM_SETPOINT_22	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
223	CO2_485_MODBUS_EXT_ALARM_SETPOINT_23	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
224	CO2_485_MODBUS_EXT_ALARM_SETPOINT_24	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
225	CO2_485_MODBUS_EXT_ALARM_SETPOINT_25	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
226	CO2_485_MODBUS_EXT_ALARM_SETPOINT_26	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
227	CO2_485_MODBUS_EXT_ALARM_SETPOINT_27	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
228	CO2_485_MODBUS_EXT_ALARM_SETPOINT_28	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
229	CO2_485_MODBUS_EXT_ALARM_SETPOINT_29	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
230	CO2_485_MODBUS_EXT_ALARM_SETPOINT_30	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
231	CO2_485_MODBUS_EXT_ALARM_SETPOINT_31	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
232	CO2_485_MODBUS_EXT_ALARM_SETPOINT_32	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
233	CO2_485_MODBUS_EXT_ALARM_SETPOINT_33	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
234	CO2_485_MODBUS_EXT_ALARM_SETPOINT_34	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
235	CO2_485_MODBUS_EXT_ALARM_SETPOINT_35	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
236	CO2_485_MODBUS_EXT_ALARM_SETPOINT_36	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
237	CO2_485_MODBUS_EXT_ALARM_SETPOINT_37	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
238	CO2_485_MODBUS_EXT_ALARM_SETPOINT_38	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
239	CO2_485_MODBUS_EXT_ALARM_SETPOINT_39	The continuous_alarm ppm setpoint of external co2 sensor. Support 50 external nodes.
240	CO2_485_MODBUS_EXT_CO2_OFFSET_START	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
241	CO2_485_MODBUS_EXT_CO2_OFFSET_1	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
242	CO2_485_MODBUS_EXT_CO2_OFFSET_2	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
243	CO2_485_MODBUS_EXT_CO2_OFFSET_3	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
244	CO2_485_MODBUS_EXT_CO2_OFFSET_4	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.

CO_2 DCHT och WCHT utan nätverk		
Adress	**Registernamn**	**Registerbeskrivning**
245	CO2_485_MODBUS_EXT_CO2_OFFSET_5	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
246	CO2_485_MODBUS_EXT_CO2_OFFSET_6	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
247	CO2_485_MODBUS_EXT_CO2_OFFSET_7	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
248	CO2_485_MODBUS_EXT_CO2_OFFSET_8	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
249	CO2_485_MODBUS_EXT_CO2_OFFSET_9	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
250	CO2_485_MODBUS_EXT_CO2_OFFSET_10	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
251	CO2_485_MODBUS_EXT_CO2_OFFSET_11	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
252	CO2_485_MODBUS_EXT_CO2_OFFSET_12	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
253	CO2_485_MODBUS_EXT_CO2_OFFSET_13	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
254	CO2_485_MODBUS_EXT_CO2_OFFSET_14	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
255	CO2_485_MODBUS_EXT_CO2_OFFSET_15	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
256	CO2_485_MODBUS_EXT_CO2_OFFSET_16	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
257	CO2_485_MODBUS_EXT_CO2_OFFSET_17	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
258	CO2_485_MODBUS_EXT_CO2_OFFSET_18	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
259	CO2_485_MODBUS_EXT_CO2_OFFSET_19	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
260	CO2_485_MODBUS_EXT_CO2_OFFSET_20	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
261	CO2_485_MODBUS_EXT_CO2_OFFSET_21	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
262	CO2_485_MODBUS_EXT_CO2_OFFSET_22	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
263	CO2_485_MODBUS_EXT_CO2_OFFSET_23	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
264	CO2_485_MODBUS_EXT_CO2_OFFSET_24	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
265	CO2_485_MODBUS_EXT_CO2_OFFSET_25	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
266	CO2_485_MODBUS_EXT_CO2_OFFSET_26	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
267	CO2_485_MODBUS_EXT_CO2_OFFSET_27	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
268	CO2_485_MODBUS_EXT_CO2_OFFSET_28	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
269	CO2_485_MODBUS_EXT_CO2_OFFSET_29	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
270	CO2_485_MODBUS_EXT_CO2_OFFSET_30	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.

CO_2 DCHT och WCHT utan nätverk		
Adress	**Registernamn**	**Registerbeskrivning**
271	CO2_485_MODBUS_EXT_CO2_OFF-SET_31	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
272	CO2_485_MODBUS_EXT_CO2_OFF-SET_32	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
273	CO2_485_MODBUS_EXT_CO2_OFF-SET_33	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
274	CO2_485_MODBUS_EXT_CO2_OFF-SET_34	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
275	CO2_485_MODBUS_EXT_CO2_OFF-SET_35	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
276	CO2_485_MODBUS_EXT_CO2_OFF-SET_36	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
277	CO2_485_MODBUS_EXT_CO2_OFF-SET_37	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
278	CO2_485_MODBUS_EXT_CO2_OFF-SET_38	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
279	CO2_485_MODBUS_EXT_CO2_OFF-SET_39	The ppm offset for calibrating the external co2 sensor ppm. Support 50 external nodes.
280	CO2_485_MODBUS_OUTPUT_AUTO_MANUAL	"""Analog output auto or manual. Bit0 for temperature, 0 = auto, means the output value occord- ing to the tem-perature read from sensor; 1 = manual, means the output value according to the value set in output_manual_ value_temp (register 321). Bit1 for humidity"""
281	CO2_485_MODBUS_OUTPUT_MAN-UAL_VALUE_ TEM	output_manual_value_temp
282	CO2_485_MODBUS_OUTPUT_MAN-UAL_VALUE_ HUM	output_manual_value_humidity
283	CO2_485_MODBUS_OUTPUT_MAN-UAL_VALUE_ CO2	output_manual_value_co2
284	CO2_485_OIUTPUT_MODE	the output mode, (0-5V,0-10V,4-20mA)
285	CO2_485_MODBUS_OUTPUT_ RANGE_MIN_TEM	the minimum degree of temperature range corresponding to the temperature output(0-5V,0-10V,4-20mA)
286	CO2_485_MODBUS_OUTPUT_ RANGE_MAX_TEM	the maximum degree of temperature range corresponding to the temperature output(0-5V,0-10V,4-20mA)
287	CO2_485_MODBUS_OUTPUT_ RANGE_MIN_HUM	the minimum percent of humidity range corresponding to the humidity output(0-5V,0-10V,4-20mA)
288	CO2_485_MODBUS_OUTPUT_ RANGE_MAX_HUM	the maximum percent of humidity range corresponding to the humidity output(0-5V,0-10V,4-20mA)
289	CO2_485_MODBUS_OUTPUT_ RANGE_MIN_CO2	the minimum ppm of co2 range corresponding to the co2 output(0-5V,0-10V,4-20mA)
290	CO2_485_MODBUS_OUTPUT_ RANGE_MAX_CO2	the maximum ppm of co2 range corresponding to the co2 output(0-5V,0-10V,4-20mA)
291	CO2_485_MODBUS_INFO_BYTE	INFO_BYTE, TBD.
292	CO2_485_MODBUS_BAUDRATE	RS485 Baudrate, 0 = 9600, 1 = 19200
293	CO2_485_MODBUS_RTC_SEC	RTC second, from 0 to 59.
294	CO2_485_MODBUS_RTC_MIN	RTC minute, from 0 to 59.
295	CO2_485_MODBUS_RTC_HOUR	RTC hour, from 0 to 23.
296	CO2_485_MODBUS_RTC_DAY	RTC day, from 1 to 31.
297	CO2_485_MODBUS_RTC_WEEK	RTC week, from 0 to 6, 0 = Sunday.
298	CO2_485_MODBUS_RTC_MONTH	RTC month, from 1 to 12.
299	CO2_485_MODBUS_RTC_YEAR	RTC year, from 0 to 99 (2000 to 2099).

CO_2 DCHT och WCHT utan nätverk		
Adress	**Registernamn**	**Registerbeskrivning**
300	CO2_485_MODBUS_PASSWORD_ENABLE	The password to log in the menu system. 1=Enable. 0=Disable.
301	CO2_485_MODBUS_USER_PASSWORD0	The first password character, from '0' to '9'.
302	CO2_485_MODBUS_USER_PASSWORD1	The second password character, from '0' to '9'.
303	CO2_485_MODBUS_USER_PASSWORD2	The third password character, from '0' to '9'.
304	CO2_485_MODBUS_USER_PASSWORD3	The fouth password character, from '0' to '9'.
305	CO2_485_MODBUS_MENU_BLOCK_SECONDS	Menu block time. The menu will back to idle state after this seconds.
306	CO2_485_MODBUS_BACKLIGHT_KEEP_SEC- ONDS	Backlight keep time. The backlight will turn off after this sec- onds
307	CO2_485_MODBUS_EXTERNAL_NODES_PLUG_ AND_PLAY	External node plus&play. 1=Enable, 0=Disable.
308	CO2_485_MODBUS_SCAN_DB_CTR	Device number in the scan database, inlcude the master unit itself.
309	CO2_485_MODBUS_RESET_SCAN_DB	Set 1 to clear the scan database
310	CO2_485_MODBUS_SCAN_START	"First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number"
311	CO2_485_MODBUS_SCAN_1	"First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number"
312	CO2_485_MODBUS_SCAN_2	"First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number"
313	CO2_485_MODBUS_SCAN_3	"First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number"
314	CO2_485_MODBUS_SCAN_4	"First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number"
315	CO2_485_MODBUS_SCAN_5	"First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number"
316	CO2_485_MODBUS_SCAN_6	"First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number"
317	CO2_485_MODBUS_SCAN_7	"First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number"
318	CO2_485_MODBUS_SCAN_8	"First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number"
319	CO2_485_MODBUS_SCAN_9	"First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number"
320	CO2_485_MODBUS_SCAN_10	"First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number"
321	CO2_485_MODBUS_SCAN_11	"First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number"
322	CO2_485_MODBUS_SCAN_12	"First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number"
323	CO2_485_MODBUS_SCAN_13	"First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number"
324	CO2_485_MODBUS_SCAN_14	"First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number"
325	CO2_485_MODBUS_SCAN_15	"First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number"

CO_2 DCHT och WCHT utan nätverk		
Adress	**Registernamn**	**Registerbeskrivning**
326	CO2_485_MODBUS_SCAN_16	"First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number"
327	CO2_485_MODBUS_SCAN_17	"First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number"
328	CO2_485_MODBUS_SCAN_18	"First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number"
329	CO2_485_MODBUS_SCAN_19	"First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number"
330	CO2_485_MODBUS_SCAN_20	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
331	CO2_485_MODBUS_SCAN_21	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
332	CO2_485_MODBUS_SCAN_22	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
333	CO2_485_MODBUS_SCAN_23	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
334	CO2_485_MODBUS_SCAN_24	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
335	CO2_485_MODBUS_SCAN_25	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
336	CO2_485_MODBUS_SCAN_26	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
337	CO2_485_MODBUS_SCAN_27	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
338	CO2_485_MODBUS_SCAN_28	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
339	CO2_485_MODBUS_SCAN_29	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
340	CO2_485_MODBUS_SCAN_30	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
341	CO2_485_MODBUS_SCAN_31	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
342	CO2_485_MODBUS_SCAN_32	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
343	CO2_485_MODBUS_SCAN_33	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
344	CO2_485_MODBUS_SCAN_34	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
345	CO2_485_MODBUS_SCAN_35	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
346	CO2_485_MODBUS_SCAN_36	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
347	CO2_485_MODBUS_SCAN_37	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
348	CO2_485_MODBUS_SCAN_38	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
349	CO2_485_MODBUS_SCAN_39	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
350	CO2_485_MODBUS_SCAN_40	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
351	CO2_485_MODBUS_SCAN_41	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number

CO_2 DCHT och WCHT utan nätverk		
Adress	**Registernamn**	**Registerbeskrivning**
352	CO2_485_MODBUS_SCAN_42	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
353	CO2_485_MODBUS_SCAN_43	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
354	CO2_485_MODBUS_SCAN_44	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
355	CO2_485_MODBUS_SCAN_45	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
356	CO2_485_MODBUS_SCAN_46	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
357	CO2_485_MODBUS_SCAN_47	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
358	CO2_485_MODBUS_SCAN_48	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
359	CO2_485_MODBUS_SCAN_49	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
360	CO2_485_MODBUS_SCAN_50	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
361	CO2_485_MODBUS_SCAN_51	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
362	CO2_485_MODBUS_SCAN_52	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
363	CO2_485_MODBUS_SCAN_53	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
364	CO2_485_MODBUS_SCAN_54	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
365	CO2_485_MODBUS_SCAN_55	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
366	CO2_485_MODBUS_SCAN_56	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
367	CO2_485_MODBUS_SCAN_57	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
368	CO2_485_MODBUS_SCAN_58	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
369	CO2_485_MODBUS_SCAN_59	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
370	CO2_485_MODBUS_SCAN_60	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
371	CO2_485_MODBUS_SCAN_61	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
372	CO2_485_MODBUS_SCAN_62	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
373	CO2_485_MODBUS_SCAN_63	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
374	CO2_485_MODBUS_SCAN_64	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
375	CO2_485_MODBUS_SCAN_65	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
376	CO2_485_MODBUS_SCAN_66	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
377	CO2_485_MODBUS_SCAN_67	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number

CO_2 DCHT och WCHT utan nätverk		
Adress	**Registernamn**	**Registerbeskrivning**
378	CO2_485_MODBUS_SCAN_68	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
379	CO2_485_MODBUS_SCAN_69	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
380	CO2_485_MODBUS_SCAN_70	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
381	CO2_485_MODBUS_SCAN_71	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
382	CO2_485_MODBUS_SCAN_72	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
383	CO2_485_MODBUS_SCAN_73	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
384	CO2_485_MODBUS_SCAN_74	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
385	CO2_485_MODBUS_SCAN_75	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
386	CO2_485_MODBUS_SCAN_76	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
387	CO2_485_MODBUS_SCAN_77	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
388	CO2_485_MODBUS_SCAN_78	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
389	CO2_485_MODBUS_SCAN_79	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
390	CO2_485_MODBUS_SCAN_80	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
391	CO2_485_MODBUS_SCAN_81	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
392	CO2_485_MODBUS_SCAN_82	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
393	CO2_485_MODBUS_SCAN_83	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
394	CO2_485_MODBUS_SCAN_84	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
395	CO2_485_MODBUS_SCAN_85	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
396	CO2_485_MODBUS_SCAN_86	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
397	CO2_485_MODBUS_SCAN_87	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
398	CO2_485_MODBUS_SCAN_88	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
399	CO2_485_MODBUS_SCAN_89	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
400	CO2_485_MODBUS_SCAN_90	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
401	CO2_485_MODBUS_SCAN_91	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
402	CO2_485_MODBUS_SCAN_92	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
403	CO2_485_MODBUS_SCAN_93	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number

CO_2 DCHT och WCHT utan nätverk		
Adress	**Registernamn**	**Registerbeskrivning**
404	CO2_485_MODBUS_SCAN_94	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
405	CO2_485_MODBUS_SCAN_95	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
406	CO2_485_MODBUS_SCAN_96	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
407	CO2_485_MODBUS_SCAN_97	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
408	CO2_485_MODBUS_SCAN_98	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
409	CO2_485_MODBUS_SCAN_99	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
410	CO2_485_MODBUS_SCAN_100	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
411	CO2_485_MODBUS_SCAN_101	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
412	CO2_485_MODBUS_SCAN_102	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
413	CO2_485_MODBUS_SCAN_103	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
414	CO2_485_MODBUS_SCAN_104	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
415	CO2_485_MODBUS_SCAN_105	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
416	CO2_485_MODBUS_SCAN_106	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
417	CO2_485_MODBUS_SCAN_107	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
418	CO2_485_MODBUS_SCAN_108	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
419	CO2_485_MODBUS_SCAN_109	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
420	CO2_485_MODBUS_SCAN_110	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
421	CO2_485_MODBUS_SCAN_111	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
422	CO2_485_MODBUS_SCAN_112	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
423	CO2_485_MODBUS_SCAN_113	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
424	CO2_485_MODBUS_SCAN_114	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
425	CO2_485_MODBUS_SCAN_115	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
426	CO2_485_MODBUS_SCAN_116	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
427	CO2_485_MODBUS_SCAN_117	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
428	CO2_485_MODBUS_SCAN_118	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
429	CO2_485_MODBUS_SCAN_119	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number

CO_2 DCHT och WCHT utan nätverk		
Adress	**Registernamn**	**Registerbeskrivning**
430	CO2_485_MODBUS_SCAN_120	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
431	CO2_485_MODBUS_SCAN_121	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
432	CO2_485_MODBUS_SCAN_122	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
433	CO2_485_MODBUS_SCAN_123	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
434	CO2_485_MODBUS_SCAN_124	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
435	CO2_485_MODBUS_SCAN_125	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
436	CO2_485_MODBUS_SCAN_126	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
437	CO2_485_MODBUS_SCAN_127	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
438	CO2_485_MODBUS_SCAN_128	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
439	CO2_485_MODBUS_SCAN_129	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
440	CO2_485_MODBUS_SCAN_130	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
441	CO2_485_MODBUS_SCAN_131	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
442	CO2_485_MODBUS_SCAN_132	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
443	CO2_485_MODBUS_SCAN_133	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
444	CO2_485_MODBUS_SCAN_134	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
445	CO2_485_MODBUS_SCAN_135	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
446	CO2_485_MODBUS_SCAN_136	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
447	CO2_485_MODBUS_SCAN_137	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
448	CO2_485_MODBUS_SCAN_138	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
449	CO2_485_MODBUS_SCAN_139	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
450	CO2_485_MODBUS_SCAN_140	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
451	CO2_485_MODBUS_SCAN_141	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
452	CO2_485_MODBUS_SCAN_142	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
453	CO2_485_MODBUS_SCAN_143	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
454	CO2_485_MODBUS_SCAN_144	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
455	CO2_485_MODBUS_SCAN_145	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number

CO_2 DCHT och WCHT utan nätverk		
Adress	**Registernamn**	**Registerbeskrivning**
456	CO2_485_MODBUS_SCAN_146	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
457	CO2_485_MODBUS_SCAN_147	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
458	CO2_485_MODBUS_SCAN_148	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
459	CO2_485_MODBUS_SCAN_149	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
460	CO2_485_MODBUS_SCAN_150	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
461	CO2_485_MODBUS_SCAN_151	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
462	CO2_485_MODBUS_SCAN_152	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
463	CO2_485_MODBUS_SCAN_153	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
464	CO2_485_MODBUS_SCAN_154	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
465	CO2_485_MODBUS_SCAN_155	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
466	CO2_485_MODBUS_SCAN_156	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
467	CO2_485_MODBUS_SCAN_157	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
468	CO2_485_MODBUS_SCAN_158	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
469	CO2_485_MODBUS_SCAN_159	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
470	CO2_485_MODBUS_SCAN_160	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
471	CO2_485_MODBUS_SCAN_161	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
472	CO2_485_MODBUS_SCAN_162	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
473	CO2_485_MODBUS_SCAN_163	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
474	CO2_485_MODBUS_SCAN_164	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
475	CO2_485_MODBUS_SCAN_165	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
476	CO2_485_MODBUS_SCAN_166	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
477	CO2_485_MODBUS_SCAN_167	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
478	CO2_485_MODBUS_SCAN_168	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
479	CO2_485_MODBUS_SCAN_169	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
480	CO2_485_MODBUS_SCAN_170	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
481	CO2_485_MODBUS_SCAN_171	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number

CO_2 DCHT och WCHT utan nätverk		
Adress	**Registernamn**	**Registerbeskrivning**
482	CO2_485_MODBUS_SCAN_172	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
483	CO2_485_MODBUS_SCAN_173	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
484	CO2_485_MODBUS_SCAN_174	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
485	CO2_485_MODBUS_SCAN_175	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
486	CO2_485_MODBUS_SCAN_176	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
487	CO2_485_MODBUS_SCAN_177	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
488	CO2_485_MODBUS_SCAN_178	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
489	CO2_485_MODBUS_SCAN_179	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
490	CO2_485_MODBUS_SCAN_180	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
491	CO2_485_MODBUS_SCAN_181	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
492	CO2_485_MODBUS_SCAN_182	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
493	CO2_485_MODBUS_SCAN_183	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
494	CO2_485_MODBUS_SCAN_184	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
495	CO2_485_MODBUS_SCAN_185	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
496	CO2_485_MODBUS_SCAN_186	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
497	CO2_485_MODBUS_SCAN_187	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
498	CO2_485_MODBUS_SCAN_188	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
499	CO2_485_MODBUS_SCAN_189	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
500	CO2_485_MODBUS_SCAN_190	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
501	CO2_485_MODBUS_SCAN_191	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
502	CO2_485_MODBUS_SCAN_192	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
503	CO2_485_MODBUS_SCAN_193	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
504	CO2_485_MODBUS_SCAN_194	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
505	CO2_485_MODBUS_SCAN_195	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
506	CO2_485_MODBUS_SCAN_196	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
507	CO2_485_MODBUS_SCAN_197	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number

CO_2 DCHT och WCHT utan nätverk		
Adress	**Registernamn**	**Registerbeskrivning**
508	CO2_485_MODBUS_SCAN_198	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
509	CO2_485_MODBUS_SCAN_199	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number
510	CO2_485_MODBUS_SCAN_200	First device of the database, the display unit take it. 5 bytes: 1st = address, 2nd..5th = serail number

CO_2 DCHT och WCHT med Modbus		
Adress	**Registernamn**	**Registerbeskrivning**
0	CO2_NET_MODBUS_SERIALNUM-BER_LOWORD	Lower 2 bytes of the serial number
2	CO2_NET_MODBUS_SERIALNUM-BER_HIWORD	Upper 2 bytes of the serial number
4	CO2_NET_MODBUS_SOFTWARE_VER-SION_LO	firmware version lower byte. eg. FW version = 10.12, so lower byte = 12 AND high byte = 10. Fixid.
5	CO2_NET_MODBUS_SOFTWARE_VER-SION_HI	firmware version upper byte. eg. FW version = 10.12, so lower byte = 12 AND high byte = 10. Fixed.
6	CO2_NET_MODBUS_ADDRESS	Modbus device address
7	CO2_NET_MODBUS_PRODUCT_ MODEL	Product ID, Fixed.
8	CO2_NET_MODBUS_HARDWARE_REV	Hardware version
9	CO2_NET_MODBUS_PIC_REV	spare
10	CO2_NET_MODBUS_ADDRESS_ PLUG_N_PLAY	spare
11	CO2_NET_MODBUS_TIME_ZONE	Time zone
12	CO2_NET_MODBUS_BAUDRATE	Baudrate Setting: 0 = 9600bps, 1 = 19200bps
13	CO2_NET_MODBUS_DAYLIGHT_EN-ABLE	day lighting switch, 0 =disable day lighting feature, 1= enable
14	CO2_NET_MODBUS_BOOTLOADER_ VERSION	spare
15	CO2_NET_MODBUS_RESET_FLASH	reset flash. The unit will clear all configs to zero if this register being set to 0x55 = 85
16	CO2_NET_MODBUS_UPDATE_STATUS	Firmware Update Register, used to show the status of firmware updates
17	CO2_NET_MODBUS_INIT_WR_TIME	spare
22	CO2_NET_MODBUS_TIME_SERVER_ SELECT	Set 1 manual to write configurations to flash
25	CO2_NET_MODBUS_SERINALNUM-BER_WRITE_ FLAG	Period of write configurations to flash if configurations changed without setting register to 1. counter by second.
90	CO2_NET_MODBUS_REFRESH_STA-TUS	Reserved for future.
91	CO2_NET_MODBUS_REFRESH_FLASH	reg100, MAC address, read only
92	CO2_NET_MODBUS_REFRESH_ FLASH_FREQ	reg106, IP mode. 0=static IP; 1= DHCP
93	CO2_NET_MODBUS_MAC_ADDRESS_ CHANGE_ ENABLE	reg107, upper two bytes of IP address
94	CO2_NET_MODBUS_REFRESH_ FLASH_TIMER	reg109, lower two bytes of IP address
100	CO2_NET_MODBUS_MAC_ADDRESS_ START	reg111, right two bytes of SUBNET MASK address
106	CO2_NET_MODBUS_IP_MODE	reg113, left two bytes of SUBNET MASK address
107	CO2_NET_MODBUS_IP_ADDRESS_ START	reg115, right two bytes of GATEWAY address
111	CO2_NET_MODBUS_SUBNET_MASK_ ADDRESS_ START	reg117, left two bytes of GATEWAY address
115	CO2_NET_MODBUS_GATEWAY_AD-DRESS_ START	reg119, 0, TCP server, (NO USE)
119	CO2_NET_MODBUS_TCP_SERVER_ ENABLE	reg120, listen port at TCP server mode
120	CO2_NET_MODBUS_LISTEN_PORT_ AT_TCP_ SERVER_MODE_START	ghost to reg 106

CO_2 DCHT och WCHT med Modbus		
Adress	**Registernamn**	**Registerbeskrivning**
121	CO2_NET_MODBUS_IP_MODE_ GHOST	ghost to reg 107 to 108
122	CO2_NET_MODBUS_IP_ADDRESS_ GHOST_ START	ghost to reg 109 to 110
126	CO2_NET_MODBUS_SUBNET_MASK_ ADDRESS_ GHOST_START	ghost to reg 111 to 112
130	CO2_NET_MODBUS_GATEWAY_AD- DRESS_ GHOST_START	ghost to reg 113 to 114
134	CO2_NET_MODBUS_TCP_SERVER_ ENABLE_ GHOST	ghost to reg 115 to 116
135	CO2_NET_MODBUS_LISTEN_PORT_ AT_TCP_ SERVER_MODE_GHOST_ START	ghost to reg 117 to 118
136	CO2_NET_MODBUS_ENABLE_GHOST	ghost to reg 119
172	CO2_NET_MODBUS_SCAN_COM- MAND	ghost to reg 120
173	CO2_NET_MODBUS_SUBNET_TYPE	write 1 to set the ghost settings to the system and start new settings, then clear the ghost registers.
174	CO2_NET_MODBUS_NTP_COMMAND	scan command< =6 start scan>/LHN add
175	CO2_NET_MODBUS_TIME_SERVER0_ IP_START	subnet <add =1rs485 =2zigbee =4all> /LHN add
176	CO2_NET_MODBUS_TIME_SERVER1_ IP_START	NTP command< =6,start ntp >/LHN add
183	CO2_NET_MODBUS_TIME_SERVER2_ IP_START	Time Server0 ipaddress
187	CO2_NET_MODBUS_TIME_SERVER3_ IP_START	Time Server1 ipaddress
191	CO2_NET_MODBUS_TIME_SERVER4_ IP_START	Time Server2 ipaddress
195	CO2_NET_MODBUS_TIME_SERVER5_ IP_START	Time Server3 ipaddress
199	CO2_NET_MODBUS_TIME_SYNC_RE- SULT	Time Server4 ipaddress
200	CO2_NET_MODBUS_TEMPERATURE_ SENSOR_ SELECT	Time Server5 ipaddress
201	CO2_NET_MODBUS_TEMPERATURE_ DEGREE_C_OR_F	Time Sync result: 0-Fail 1-Sucessful
202	CO2_NET_MODBUS_INTERNAL_TEM- PERATURE_ CELSIUS	Temperature sensor selection, 0=external, 1=internal. Read only, it will be set to 1 if the humidity module exists.
203	CO2_NET_MODBUS_INTERNAL_TEM- PERATURE_ FAHRENHEIT	Select the unit of temperature to display on LCD. 0=degree Celsius, 1=degree Fahr- enheit
204	CO2_NET_MODBUS_EXTERNAL_TEM- PERATURE_ CELSIUS	The value of on board temperature sensor, the unit is degree Celsius. The resolution is 0.1 degree.
205	CO2_NET_MODBUS_EXTERNAL_TEM- PERATURE_ FAHRENHEIT	The value of on board temperature sensor, the unit is degree Fahrenheit. The reso- lution is 0.1 degree.
206	CO2_NET_MODBUS_TEMPERATURE_ OFFSET_IN- TERNAL	The value of external temperature sensor, the unit is degree Celsius. The resolution is 0.1 degree.
207	CO2_NET_MODBUS_HUMIDITY	The value of external temperature sensor, the unit is degree Fahrenheit. The resolu- tion is 0.1 degree.
208	CO2_NET_MODBUS_HUMIDITY_FRE- QUENCY	The temperature offset for calibrating the internal temperature. The resolution is 0.1 degree.

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Adress	**Registernamn**	**Registerbeskrivning**
209	CO2_NET_MODBUS_HUMIDITY_CALI-BRATION_ TABLE_COUNTER	Relative humidity. The resolution is 0.1%
210	CO2_NET_MODBUS_CO2_INTER-NAL_EXIST	Read only. The real frequency read from the humidity module, unuse.
211	CO2_NET_MODBUS_CO2_INTERNAL	Read only. The number of the calibration table points.
212	CO2_NET_MODBUS_CO2_INTER-NAL_OFFSET	Internal CO2 sensor selection. The value is 1 as default.
213	CO2_NET_MODBUS_CO2_INTERNAL_ PRE- ALARM_SETPOINT	The co2 ppm value of internal co2 sensor.
214	CO2_NET_MODBUS_CO2_INTERNAL_ ALARM_ SETPOINT	The co2 ppm offset for calibrating internal co2 sensor.
215	CO2_NET_MODBUS_CO2_EXTER-NAL_START	The setpoint value of fair alarm for internal co2 sensor.
468	CO2_NET_MODBUS_CO2_EXTER-ANL_END	The setpoint value of poor alarm for internal co2 sensor.
469	CO2_NET_MODBUS_CO2_EXTERNAL_ OFFSET_ START	The co2 ppm value of the external co2 sensors if there are/is co2 nodes connect to it.
722	CO2_NET_MODBUS_CO2_EXTER-NAL_OFFSET_ END	The co2 ppm offset for calibrating external co2 sensors.
723	CO2_NET_MODBUS_CO2_EXTERNAL_ PRE- ALARM_SETPOINT_START	The setpoint value of fair alarm for external co2 sensors.
976	CO2_NET_MODBUS_CO2_EXTERNAL_ PRE- ALARM_SETPOINT_END	The setpoint value of poor alarm for external co2 sensors.
977	CO2_NET_MODBUS_CO2_EXTERNAL_ ALARM_ SETPOINT_START	The value to eliminate the pulse of the co2 ppm.
1230	CO2_NET_MODBUS_CO2_EXTERNAL_ ALARM_ SETPOINT_END	The filter to make the ppm value smoothly, it is 5 as default.
1231	CO2_NET_MODBUS_CO2_SLOPE_DE-TECT_VAL- UE	Enable/Disable the password for the menu system operation. 0=Disable, 1=Enable.
1232	CO2_NET_MODBUS_CO2_FILTER	The first digital of the password. Should be from 0 to 9.
1233	CO2_NET_MODBUS_PASSWORD_EN-ABLE	The second digital of the password. Should be from 0 to 9.
1234	CO2_NET_MODBUS_USER_PASS-WORD0	The third digital of the password. Should be from 0 to 9.
1235	CO2_NET_MODBUS_USER_PASS-WORD1	The fourth digital of the password. Should be from 0 to 9.
1236	CO2_NET_MODBUS_USER_PASS-WORD2	The century of the real time clock.
1237	CO2_NET_MODBUS_USER_PASS-WORD3	The year of the real time clock.
1238	CO2_NET_MODBUS_RTC_CENTURY	The month of the real time clock.
1239	CO2_NET_MODBUS_RTC_YEAR	The date of the real time clock.
1240	CO2_NET_MODBUS_RTC_MONTH	The weekday of the real time clock.
1241	CO2_NET_MODBUS_RTC_DAY	The hour of the real time clock.
1242	CO2_NET_MODBUS_RTC_WEEK	The minute of the real time clock.
1243	CO2_NET_MODBUS_RTC_HOUR	The secod of the real time clock.
1244	CO2_NET_MODBUS_RTC_MINUTE	"Alarm auto/manual control. Bit7: 0 = auto, 1 = manual; bit0:1 = pre_alarm; bit1: 1 = continuous_alarm; bit(1:0): 00 = stop_ alarm"
1245	CO2_NET_MODBUS_RTC_SECOND	The alarm output turn on time, <= 20 seconds.
1246	CO2_NET_MODBUS_ALARM_AUTO_ MANUAL	The alarm output turn off time, <= 20 seconds.

CO_2 DCHT och WCHT med Modbus		
Adress	**Registernamn**	**Registerbeskrivning**
1247	CO2_NET_MODBUS_PRE_ALARM_ SETTING_ON_ TIME	Alarm output delay time. It delays the alarm output when the alarm is triggered. It is 5 seconds as default.
1248	CO2_NET_MODBUS_PRE_ALARM_ SETTING_ OFF_TIME	Analog output auto/manual control. Bit 0 directs to tempera- ture output, Bit 1 directs to humidity output, Bit 2 directs to co2 output. 0=Auto, 1=Manual.
1249	CO2_NET_MODBUS_ALARM_DE- LAY_TIME	The manual value of temperature.
1250	CO2_NET_MODBUS_OUTPUT_AUTO_ MANUAL	The manual value of humidity.
1251	CO2_NET_MODBUS_OUTPUT_MAN- UAL_VALUE_ TEM	The manual value of co2.
1252	CO2_NET_MODBUS_OUTPUT_MAN- UAL_VALUE_ HUM	Analog output mode, read only, select by jumper. 1=4-20mA, 2=0-5V, 3=0-10V
1253	CO2_NET_MODBUS_OUTPUT_MAN- UAL_VALUE_ CO2	The minimun value of temperature for analog output.
1254	CO2_NET_MODBUS_OUTPUT_MODE	The maximun value of temperature for analog output.
1255	CO2_NET_MODBUS_OUTPUT_ RANGE_MIN_TEM	The minimun value of humidity for analog output.
1256	CO2_NET_MODBUS_OUTPUT_ RANGE_MAX_TEM	The maximun value of humidity for analog output.
1257	CO2_NET_MODBUS_OUTPUT_ RANGE_MIN_HUM	The minimun value of co2 for analog output.
1258	CO2_NET_MODBUS_OUTPUT_ RANGE_MAX_HUM	The maximun value of co2 for analog output.
1259	CO2_NET_MODBUS_OUTPUT_ RANGE_MIN_CO2	The period for the menu system to stay at the submenu. It goes to the main menu when it expires in the submenu.
1260	CO2_NET_MODBUS_OUTPUT_ RANGE_MAX_CO2	The period for the LCD backlight keep on. The backlight turns on when key is trig- gered, and turns off the it expires.
1261	CO2_NET_MODBUS_MENU_BLOCK_ SECONDS	Enable/Disable the plug-and-play feature of the external nodes. 0=disalbe, 1=en- able.
1262	CO2_NET_MODBUS_BACKLIGHT_ KEEP_SEC- ONDS	The number of co2 sensors connect to the unit, includes the internal co2 sensor.
1263	CO2_NET_MODBUS_EXTERNAL_ NODES_PLUG_ AND_PLAY	Set 1 to reset the scan table.
1264	CO2_NET_MODBUS_SCAN_DB_CTR	The first co2 node information. Normally it is the unit itself.
1265	CO2_NET_MODBUS_RESET_SCAN_DB	register1266: the modbus ID of the co2 sensor.
1266	CO2_NET_MODBUS_SCAN_START	register1267..1270: the serial number of the co2 sensor.
2535	CO2_NET_MODBUS_SCAN_END	The secod co2 node information. Normally, it is the first external co2 node.
2536	CO2_NET_MODBUS_GET_NODES_ PARA_START	The third co2 node information.