

# EWCM9900

- Serial Communication Protocol -  
Compressor Rack Controller on 18DIN Rail



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# 1 MODBUS FUNCTIONS AND RESOURCES

Modbus is a client/server communication protocol between devices connected on a *network*.

Modbus instruments communicate using a master/slave technique in which only one device (master) can send messages.

The other devices on the *network* (slave) respond by returning the data requested by the master or performing the action indicated in the message sent. A slave is a device connected to the *network* that processes information and sends the results to the master using the Modbus protocol.

The master can send messages to individual slaves, or send messages to the whole *network* (broadcast), whereas the slave instruments respond to the messages only individually and to the master device.

The Modbus standard used by Eliwell provides for the use of RTU coding for data transmission.

## 1.1 Data format (RTU)

The coding model used defines the structure of messages transmitted on the *network* and the way in which this information is decoded. The type of coding is normally selected according to specific parameters (baud rate, parity, etc.), also, certain devices only support certain coding models, however it must be the same for all the instruments connected to a Modbus *network*.

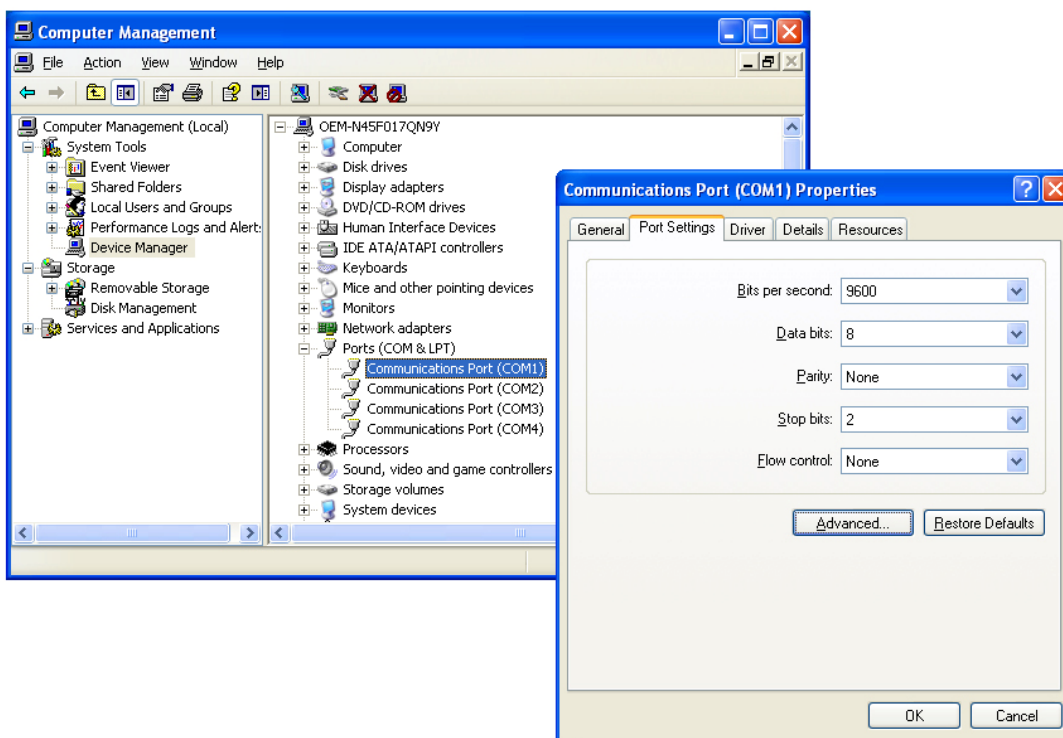
The protocol uses the binary RTU method with the byte made up as follows:

8 bits for data, even parity configurable, 1 stop bit.

**PLEASE NOTE: if you set parameter 675 – PtytLV = 0 (NONE) then**

It is mandatory to set the COM stop bit of your PC to 2

My Computer > Properties > Hardware > Device Manager > Ports (COM & LPT) > Communications Port > Port Settings > Stop bits = 2



**NOTE: the transmission speed could be set to 9600 baud.**

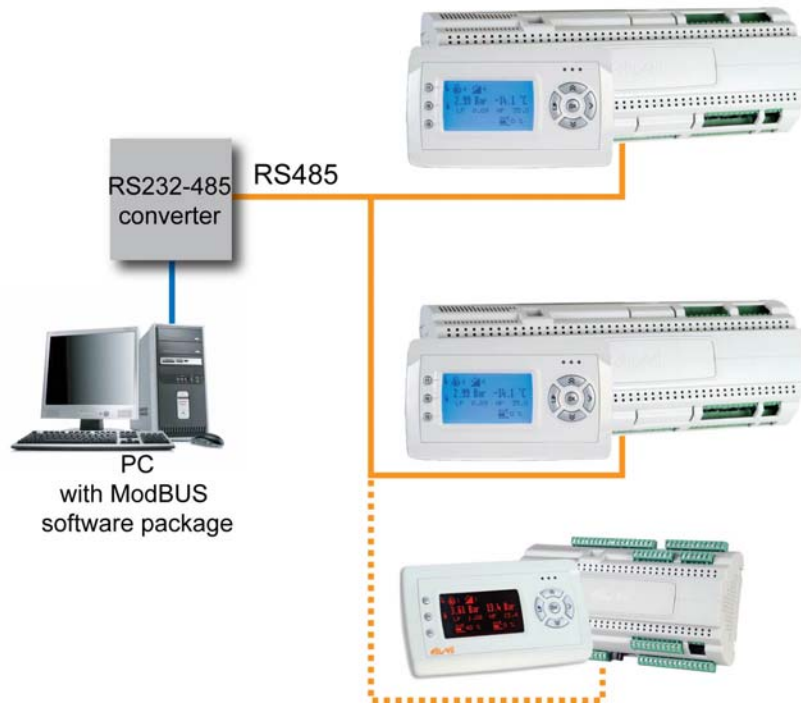
Setting the parameters allows the *instrument* to be fully configurable

They can be modified by means of:

- instrument keyboard
- copy Card
- sending the data using the ModBus protocol, directly to an individual instrument, or by broadcast, using *address* 0 (broadcast)

ModBus to  
multiple device  
connection  
diagram

1.2 Network





### 1.3 Modbus functions available and data areas

Function Code	Command description
3	Read 16 consecutive registers for Client side Read 1 single register for parameters.
16	Write 15 consecutive registers for Client side Write 1 register for parameters

43	Reading instrument ID. The following fields can be read:	<table border="1"> <thead> <tr> <th>Field code</th> <th>Field description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Manufacturer ID(="Invensys")</td> </tr> <tr> <td>1</td> <td>Instrument polycarbonate ID</td> </tr> <tr> <td>2</td> <td>Instrument family(msk)/version ID</td> </tr> </tbody> </table>		Field code	Field description	0	Manufacturer ID(="Invensys")	1	Instrument polycarbonate ID	2	Instrument family(msk)/version ID
		Field code	Field description								
		0	Manufacturer ID(="Invensys")								
		1	Instrument polycarbonate ID								
2	Instrument family(msk)/version ID										

**IMPORTANT!** The reading of 2 registers (WORD) must be requested to obtain 1 in response. If reading of only one register is requested a reading of the highest byte will be obtained.

**IMPORTANT!** To write values to WORD it is necessary to send a write request with 2 registers, and a dimension 2 response will be obtained.

### 1.4 Address Configuration

The *address* of a device inside a ModBus message is made up of one byte and is formed of the family code and the instrument code, made up of parameters dEA and FAA respectively.

The *address* (Device *Address*) is thus formed of two nibbles:

- **dEA:** low nibble
- **FAA:** high nibble

INSTRUMENT CONFIGURATION PARAMETERS			
Par.	Description	Range	Value
672 - dEA	Family serial <i>address</i>	0...14	0
671 - FAA	Device serial <i>address</i>	0...14	0

To calculate the *address*  $address = dEA \times 16 + FAA$   
 Example: *address* (HEX) 16 (dEA=01; FAA=00)

*Address* 0 is used for broadcast messages, which are recognised by all slaves. Slaves do not respond to a broadcast type request.

### 1.5 Address tables

#### 1.5.1 Description of parameters

The *address tables* contain the information required to read, write and decode each individual resource accessible in the instrument.

There are two tables:

- the *parameters table* contains all the device configuration parameters stored in the instrument's non-volatile memory.
- the *client table* includes all the I/O and alarm status resources available in the instrument's volatile memory.

#### Description of columns:

**INDEX** For the *parameters table* this value represents the order in which the parameter is displayed in the instrument's menu. For the *client table* this value is not significant.

**FOLDER** This indicates the *label* of the *folder* containing the parameter in question. For the *client table* this value is not significant.

**LABEL** This indicates the *label* used to display the **parameters** in the instrument's menu.

**ADDRESS** The whole part represents the *address* of the MODBUS register containing the value of the resource to be read or written in the instrument. The value after the point indicates the position of the most significant data bit inside the register; if not indicated it is taken as zero. This information is always provided when the register contains more than one information item, and it is necessary to distinguish which bits actually represent the data (the working size of the data indicated in the column *DATA SIZE* is also taken into consideration). Given that the modbus registers have the size of one WORD (16 bit), the *index* number after the point can vary from 0 (least significant bit –LSb–) to 15 (most significant bit –MSb–). Examples (in binary form the least significant bit is the first on the right):

ADDRESS	Contents of register	DATA SIZE	Value
8806	1350 (0000010101000110)	WORD	1350
8806	1350 (000001010 <b>1000110</b> )	Byte	70
8806,8	1350 ( <b>000001010</b> 1000110)	Byte	5
8806,14	1350 (0000010101000110)	1 bit	0
8806,7	1350 (00000 <b>1010</b> 1000110)	4 bit	10

Important: when the register contains more than one data item, during the write operation proceed as follows:

- read current register value
- modify the bits that represent the resource concerned
- write the register

**R/W** Indicates the option of reading or writing the resource:

R	the resource is read-only
W	the resource is write-only
RW	the resource can be both read and written

**DATA SIZE** Indicates the size of the data in bits.

WORD	=	16 bits
Byte	=	8 bits
"n" bit	=	0...15 bits based on the value of "n"

**CPL** When the field indicates "Y", the value read by the register requires conversion, because the value represents a number with a sign. In the other cases the value is always positive or null.

To carry out conversion, proceed as follows:

- if the value in the register is between 0 and 32.767, the result is the value itself (zero and positive values)
- if the value in the register is between 32.768 and 65.535, the result is the value of the register – 65.536 (negative values)

**RANGE** Describes the interval of values that can be assigned to the parameter. It can be correlated with other parameters in the instrument (indicated with the parameter *label*).

**DEFAULT** Indicates the factory-set value for the standard model of the instrument.

**EXP** This is the multiplier *index* to be applied for converting the value read from the register to the values indicated in the *RANGE* and *DEFAULT* column to convert them into the final values according to the measurement unit indicated in the column *M.U.*

The multiplier is calculated with the base 10 exponential function and with the exponent indicated in the *EXP* column. When not indicated the value is 0. The following values are valid:

Value	=	Corresponding multiplier
-2	=	10 <sup>-2</sup> ( 0.01 )
-1	=	10 <sup>-1</sup> ( 0.1 )
0	=	10 <sup>0</sup> ( 1 )
1	=	10 <sup>1</sup> ( 10 )
2	=	10 <sup>2</sup> ( 100 )

**M.U.** Measurement unit for values converted according to the rules indicated in the *CPL* and *EXP* columns.

### 1.5.2 Parameters table

(see next page)

**Please Note: Refer to MSK398**

NOTE: ALL the values in bar / PSI are expressed in Absolute Pressure and are dependent on parameter 543 - rELP where not expressly indicated

NOTE: Calibration and threshold always displayed as an absolute value. Not dependent on parameter 543 – rELP

### Calibration Pb

NOTE: Inputs are shown with 2 different values

- Pb1...Pb4 in °C/°F

### Calibration and threshold SIG

NOTE: SIG Inputs are shown with 2 different values depending on

- SIG1 in bar/PSI depending on 650 - HSig1 - High Precision
- SIG2 in bar/PS depending on 651 - HSig2 - High Precision
- SIG3 in bar/PS depending on 652 - HSig2 - High Precision

Example: SIG1

Suction

- 650-Hsig1 - High Precision = 1 --> EXP = -2
- 650-HSig1 - High Precision = 0 --> EXP = -1

discharge

- 650-Hsig1 - High Precision = 1 --> EXP = -1
- 650-HSig1 - High Precision = 0 --> EXP = 0

NOTE: Some parameters are duplicated/quadruplicated depending on the unit of measurement shown on the display.

For example, the parameter for the 131 - LSE Compressors minimum setpoint *folder* is quadrupled as:

- 131 - LSE minimum setpoint °C
- 131 - LSE minimum setpoint °F
- 131 - LSE minimum setpoint bar
- 131 - LSE minimum setpoint PSI

In the following *parameters table*, the parameter is repeated 4 times on 4 separate lines.

INDEX	FOLDER	LABEL	ADDRESS	R/W	DESCRIPTION	DATA SIZE	CPL	RANGE	DEFAULT	EXP	M.U.	Notes
1	Operating passwords	634 - PSW1	1	RW	Password 1	WORD	Y	0 ... 5	*****	0	string	
2	Operating passwords	635 - PSW2	2	RW	Password 2	WORD	Y	0 ... 5	*****	0	string	
3	Operating passwords	636 - PSW3	3	RW	Password 3	WORD	Y	0 ... 5	*****	0	string	
4	Operating passwords	637 - PSW4	4	RW	Password 4	WORD	Y	0 ... 5	*****	0	string	
5	Operating passwords	638 - PSW5	5	RW	Password 5	WORD	Y	0 ... 5	*****	0	string	
6	Files Setup	452 - USId1	6	RW	User String 1	WORD	Y	0 ... 20		0	string	
7	Files Setup	453 - USId2	7	RW	User String 2	WORD	Y	0 ... 20		0	string	
13	Files Setup	459 - rECF	13	RW	REC file name	WORD	Y	0 ... 10		0	string	
14	Files Setup	460 - HISF	14	RW	HIS file name	WORD	Y	0 ... 10		0	string	
15	Files Setup	461 - dAtF	15	RW	DAT file name	WORD	Y	0 ... 10		0	string	
16	Files Setup	462 - gLoF	16	RW	GLO file name	WORD	Y	0 ... 10		0	string	
103	Configuration	639 - tAb	103	RW	TAB	WORD	Y	0 ... 32767	1	0	num	
104	Configuration	640 - rtCE	104	RW	Enable RTC	WORD	Y	0 ... 1	1	0	flag	
105	Configuration	641 - FtyP	105	RW	Gas type	WORD	Y	0 ... 15	4	0	num	
110	Configuration	646 - Sig12	110	RW	SIG 1/2 probe type	WORD	Y	0 ... 2	0	0	num	

<b>INDEX</b>	<b>FOLDER</b>	<b>LABEL</b>	<b>ADDRESS</b>	<b>R/W</b>	<b>DESCRIPTION</b>	<b>DATA SIZE</b>	<b>CPL</b>	<b>RANGE</b>	<b>DEFAULT</b>	<b>EXP</b>	<b>M.U.</b>	<b>Notes</b>
111	Configuration	<b>647 - SIg34</b>	<b>111</b>	RW	SIG 3/4 probe type	WORD	Y	<b>0 ... 3</b>	0	0	num	
112	Configuration	<b>648 - Pb12</b>	<b>112</b>	RW	PB 1/2 probe type	WORD	Y	<b>3 ... 6</b>	4	0	num	
113	Configuration	<b>649 - Pb34</b>	<b>113</b>	RW	PB 3/4 probe type	WORD	Y	<b>3 ... 6</b>	4	0	num	
114	Configuration	<b>650 - HSIg1</b>	<b>114</b>	RW	SIG1 High precision	WORD	Y	<b>0 ... 1</b>	1	0	flag	
115	Configuration	<b>651 - HSIg2</b>	<b>115</b>	RW	SIG2 High precision	WORD	Y	<b>0 ... 1</b>	1	0	flag	
116	Configuration	<b>652 - AoS1</b>	<b>116</b>	RW	Select V1 or I1	WORD	Y	<b>0 ... 1</b>	1	0	num	
117	Configuration	<b>653 - AoS2</b>	<b>117</b>	RW	Select V2 or I2	WORD	Y	<b>0 ... 1</b>	1	0	num	
118	Configuration	<b>654 - AoS3</b>	<b>118</b>	RW	Select V3 or I3	WORD	Y	<b>0 ... 1</b>	1	0	num	
119	Configuration	<b>655 - CALSIg1</b>	<b>119</b>	RW	SIG1 calibration	WORD	Y	<b>-1000 ... 1000</b>	0	-2	bar	Always displayed as an absolute value Do not depend on parameter 543 - rELP
120	Configuration	<b>655 - CALSIg1</b>	<b>120</b>	RW	SIG1 calibration	WORD	Y	<b>-1450 ... 1450</b>	0	-1	Psi	
121	Configuration	<b>655 - CALSIg1</b>	<b>121</b>	RW	SIG1 calibration	WORD	Y	<b>-100 ... 100</b>	0	-1	bar	
122	Configuration	<b>655 - CALSIg1</b>	<b>122</b>	RW	SIG1 calibration	WORD	Y	<b>-145 ... 145</b>	0	0	Psi	
123	Configuration	<b>655 - CALSIg1</b>	<b>123</b>	RW	SIG1 calibration	WORD	Y	<b>-100 ... 100</b>	0	-1	°C	
124	Configuration	<b>655 - CALSIg1</b>	<b>124</b>	RW	SIG1 calibration	WORD	Y	<b>-180 ... 180</b>	0	-1	°F	
125	Configuration	<b>656 - CALSIg2</b>	<b>125</b>	RW	SIG2 calibration	WORD	Y	<b>-1000 ... 1000</b>	0	-2	bar	
126	Configuration	<b>656 - CALSIg2</b>	<b>126</b>	RW	SIG2 calibration	WORD	Y	<b>-1450 ... 1450</b>	0	-1	Psi	
127	Configuration	<b>656 - CALSIg2</b>	<b>127</b>	RW	SIG2 calibration	WORD	Y	<b>-100 ... 100</b>	0	-1	bar	
128	Configuration	<b>656 - CALSIg2</b>	<b>128</b>	RW	SIG2 calibration	WORD	Y	<b>-145 ... 145</b>	0	0	Psi	
129	Configuration	<b>656 - CALSIg2</b>	<b>129</b>	RW	SIG2 calibration	WORD	Y	<b>-100 ... 100</b>	0	-1	°C	
130	Configuration	<b>656 - CALSIg2</b>	<b>130</b>	RW	SIG2 calibration	WORD	Y	<b>-180 ... 180</b>	0	-1	°F	
131	Configuration	<b>657 - CALSIg3</b>	<b>131</b>	RW	SIG3 calibration	WORD	Y	<b>-100 ... 100</b>	0	-1	bar	
132	Configuration	<b>657 - CALSIg3</b>	<b>132</b>	RW	SIG3 calibration	WORD	Y	<b>-145 ... 145</b>	0	0	Psi	
133	Configuration	<b>657 - CALSIg3</b>	<b>133</b>	RW	SIG3 calibration	WORD	Y	<b>-100 ... 100</b>	0	-1	°C	
134	Configuration	<b>657 - CALSIg3</b>	<b>134</b>	RW	SIG3 calibration	WORD	Y	<b>-180 ... 180</b>	0	-1	°F	
139	Configuration	<b>659 - CALPb1</b>	<b>139</b>	RW	PB1 calibration	WORD	Y	<b>-100 ... 100</b>	0	-1	°C	
140	Configuration	<b>659 - CALPb1</b>	<b>140</b>	RW	PB1 calibration	WORD	Y	<b>-180 ... 180</b>	0	-1	°F	
141	Configuration	<b>660 - CALPb2</b>	<b>141</b>	RW	PB2 calibration	WORD	Y	<b>-100 ... 100</b>	0	-1	°C	
142	Configuration	<b>660 - CALPb2</b>	<b>142</b>	RW	PB2 calibration	WORD	Y	<b>-180 ... 180</b>	0	-1	°F	
143	Configuration	<b>661 - CALPb3</b>	<b>143</b>	RW	PB3 calibration	WORD	Y	<b>-100 ... 100</b>	0	-1	°C	
144	Configuration	<b>661 - CALPb3</b>	<b>144</b>	RW	PB3 calibration	WORD	Y	<b>-180 ... 180</b>	0	-1	°F	
145	Configuration	<b>662 - CALPb4</b>	<b>145</b>	RW	PB4 calibration	WORD	Y	<b>-100 ... 100</b>	0	-1	°C	
146	Configuration	<b>662 - CALPb4</b>	<b>146</b>	RW	PB4 calibration	WORD	Y	<b>-180 ... 180</b>	0	-1	°F	
147	Configuration	<b>663 - LtSIg1</b>	<b>147</b>	RW	Lower threshold SIG1	WORD	Y	<b>-100 ... 100</b>	50	-2	bar	Always displayed as an absolute value Do not depend on
148	Configuration	<b>663 - LtSIg1</b>	<b>148</b>	RW	Lower threshold SIG1	WORD	Y	<b>-145 ... 145</b>	72	-1	Psi	
149	Configuration	<b>663 - LtSIg1</b>	<b>149</b>	RW	Lower threshold SIG1	WORD	Y	<b>-10 ... 10</b>	0	-1	bar	
150	Configuration	<b>663 - LtSIg1</b>	<b>150</b>	RW	Lower threshold SIG1	WORD	Y	<b>-14 ... 14</b>	0	0	Psi	
151	Configuration	<b>664 - UtSIg1</b>	<b>151</b>	RW	Upper threshold SIG1	WORD	Y	<b>100 ... 1000</b>	800	-2	bar	



INDEX	FOLDER	LABEL	ADDRESS	R/W	DESCRIPTION	DATA SIZE	CPL	RANGE	DEFAULT	EXP	M.U.	Notes
152	Configuration	664 - UtSig1	152	RW	Upper threshold SIG1	WORD	Y	145 ... 1450	1160	-1	Psi	parameter 543 - rELP
153	Configuration	664 - UtSig1	153	RW	Upper threshold SIG1	WORD	Y	10 ... 1000	1000	-1	bar	
154	Configuration	664 - UtSig1	154	RW	Upper threshold SIG1	WORD	Y	14 ... 1450	1450	0	Psi	
155	Configuration	665 - LtSig2	155	RW	Lower threshold SIG2	WORD	Y	-100 ... 100	50	-2	bar	
156	Configuration	665 - LtSig2	156	RW	Lower threshold SIG2	WORD	Y	-145 ... 145	72	-1	Psi	
157	Configuration	665 - LtSig2	157	RW	Lower threshold SIG2	WORD	Y	-10 ... 10	0	-1	bar	
158	Configuration	665 - LtSig2	158	RW	Lower threshold SIG2	WORD	Y	-14 ... 14	0	0	Psi	
159	Configuration	666 - UtSig2	159	RW	Upper threshold SIG2	WORD	Y	100 ... 1000	800	-2	bar	
160	Configuration	666 - UtSig2	160	RW	Upper threshold SIG2	WORD	Y	145 ... 1450	1160	-1	Psi	
161	Configuration	666 - UtSig2	161	RW	Upper threshold SIG2	WORD	Y	10 ... 1000	1000	-1	bar	
162	Configuration	666 - UtSig2	162	RW	Upper threshold SIG2	WORD	Y	14 ... 1450	1450	0	Psi	
163	Configuration	667 - LtSig3	163	RW	Lower threshold SIG3	WORD	Y	-10 ... 10	10	-1	bar	
164	Configuration	667 - LtSig3	164	RW	Lower threshold SIG3	WORD	Y	-14 ... 14	14	0	Psi	
165	Configuration	668 - UtSig3	165	RW	Upper threshold SIG3	WORD	Y	10 ... 1000	310	-1	bar	
166	Configuration	668 - UtSig3	166	RW	Upper threshold SIG3	WORD	Y	14 ... 1450	449	0	Psi	
171	Addressing	671 - FAA	171	RW	Family <i>address</i>	WORD	Y	0 ... 14	0	0	num	
172	Addressing	672 - dEA	172	RW	Controller <i>address</i>	WORD	Y	0 ... 14	0	0	num	
173	Addressing	673 - PtStLV	173	RW	Protocol selection	WORD	Y	2 ... 3	2	0	num	
174	Addressing	674 - bdrttlLV	174	RW	Baud Rate	WORD	Y	0 ... 2	0	0	num	
175	Addressing	675 - PtytLV	175	RW	Parity bit	WORD	Y	0 ... 2	1	0	num	
333	QuickStart	501 - tyPE	512	RW	Type of plant	WORD	Y	0 ... 2	0	0	num	
334	QuickStart	502 - PC1	513	RW	COMP 1 power	WORD	Y	1 ... 255	3	0	num	
335	QuickStart	503 - PC2	514	RW	COMP 2 power	WORD	Y	1 ... 255	3	0	num	
336	QuickStart	504 - PC3	515	RW	COMP 3 power	WORD	Y	1 ... 255	3	0	num	
337	QuickStart	505 - PC4	516	RW	COMP 4 power	WORD	Y	1 ... 255	3	0	num	
338	QuickStart	506 - PC5	517	RW	COMP 5 power	WORD	Y	1 ... 255	1	0	num	
339	QuickStart	507 - PC6	518	RW	COMP 6 power	WORD	Y	1 ... 255	1	0	num	
340	QuickStart	508 - PC7	519	RW	COMP 7 power	WORD	Y	1 ... 255	1	0	num	
341	QuickStart	509 - PC8	520	RW	COMP 8 power	WORD	Y	1 ... 255	1	0	num	
342	QuickStart	510 - PC9	521	RW	COMP 9 power	WORD	Y	1 ... 255	1	0	num	
343	QuickStart	511 - PC10	522	RW	COMP 10 power	WORD	Y	1 ... 255	1	0	num	
344	QuickStart	512 - PC11	523	RW	COMP 11 power	WORD	Y	1 ... 255	1	0	num	
345	QuickStart	513 - PC12	524	RW	COMP 12 power	WORD	Y	1 ... 255	1	0	num	
810	QuickStart	514 - EAAL	525	RW	Abilita DO Allarmi	WORD	Y	0 ... 1	0	0	flag	
811	QuickStart	515 - EACI	526	RW	Enable DO alarms	WORD	Y	0 ... 1	0	0	flag	
812	QuickStart	516 - EAFI	527	RW	Enable COMP INV	WORD	Y	0 ... 1	0	0	flag	
813	QuickStart	517 - EACIE	528	RW	Enable INV FANS	WORD	Y	0 ... 1	0	0	flag	

<b>INDEX</b>	<b>FOLDER</b>	<b>LABEL</b>	<b>ADDRESS</b>	<b>R/W</b>	<b>DESCRIPTION</b>	<b>DATA SIZE</b>	<b>CPL</b>	<b>RANGE</b>	<b>DEFAULT</b>	<b>EXP</b>	<b>M.U.</b>	<b>Notes</b>
814	QuickStart	518 - EAFIE	529	RW	Enable COMP INV ERR	WORD	Y	0 ... 1	0	0	flag	
815	QuickStart	519 - EAgA	530	RW	Enable ERR INV FANS	WORD	Y	0 ... 1	0	0	flag	
346	QuickStart	520 - Fnty	531	RW	Fan mode	WORD	Y	0 ... 5	1	0	num	
347	QuickStart	521 - nFn	532	RW	Number of fans	WORD	Y	1 ... 8	5	0	num	
348	QuickStart	522 - CtyP	533	RW	Circuit Type 1	WORD	Y	0 ... 3	0	0	num	
349	QuickStart	523 - CPnU	534	RW	No. COMP circuit 1	WORD	Y	0 ... 12	4	0	num	
350	QuickStart	524 - CtyP2	535	RW	Circuit Type 2	WORD	Y	0 ... 3	0	0	num	
351	QuickStart	525 - CPnU2	536	RW	No. COMP circuit 2	WORD	Y	0 ... 12	4	0	num	
816	Display	541 - LAng	783	RW	Select language	WORD	Y	0 ... 1	0	0	flag	
367	Display	542 - toUt	784	RW	Exit menu time	WORD	Y	10 ... 1000	300	0	sec	
817	Display	543 - rELP	785	RW	Min suction UM	WORD	Y	0 ... 1	1	0	flag	
818	Display	544 - AbS	786	RW	Max suction UM	WORD	Y	0 ... 1	1	0	flag	
370	Display	547 - UMCP	789	RW	Suction UM	WORD	Y	0 ... 3	2	0	num	
371	Display	548 - UMFn	790	RW	Discharge UM	WORD	Y	0 ... 3	2	0	num	
819	Display	549 - LoCK	791	RW		WORD	Y	0 ... 1	0	0	flag	
372	Display	550 - HKUnL	792	RW	Unlock keypad hotk	WORD	Y	0 ... 12	8	0	num	
955	Functions	554 - drEn	1682	RW	Log Data	WORD	Y	0 ... 1	0	0	flag	
956	Functions	555 - HIEn	1683	RW	Log History	WORD	Y	0 ... 1	0	0	flag	
421	Functions	556 - ESFn	1684	RW	Energy Saving Type	WORD	Y	0 ... 7	0	0	num	
422	Functions	557 - Hrto	1685	RW	Max OUT Temp. Rec.	WORD	Y	-1000 ... 6000	400	-1	°C	
423	Functions	558 - Hrdt	1686	RW	Recovery temp. delta	WORD	Y	-1000 ... 6000	100	-1	°C	
424	Functions	557 - Hrto	1687	RW	Max OUT Temp. Rec.	WORD	Y	-1500 ... 9999	1040	-1	°F	
425	Functions	558 - Hrdt	1688	RW	Recovery temp. delta	WORD	Y	-1500 ... 9999	180	-1	°F	
426	Functions	559 - LrCd	1689	RW	Liq. return cont. delay	WORD	Y	0 ... 999	15	0	min	
427	Functions	560 - Lron	1690	RW	DC liq. return ON time	WORD	Y	0 ... 999	60	0	sec	
428	Functions	561 - LroF	1691	RW	DC liq. return OFF time	WORD	Y	0 ... 999	60	0	sec	
429	Functions	562 - LrCd2	1692	RW	Liq. return cont. delay	WORD	Y	0 ... 999	15	0	min	
430	Functions	563 - Lron2	1693	RW	DC liq. return ON time	WORD	Y	0 ... 999	60	0	sec	
431	Functions	564 - LroF2	1694	RW	DC liq. return OFF time	WORD	Y	0 ... 999	60	0	sec	
434	Safety measures	565 - odo	1844	RW	Output Delay at P-On	WORD	Y	0 ... 999	1	0	sec	
435	Safety measures	566 - PAo	1845	RW	Exclude Alarms POn	WORD	Y	0 ... 999	15	0	min	
436	Safety measures	567 - tAo	1846	RW	HP-LP bypass time	WORD	Y	0 ... 999	0	0	min	
437	Safety measures	568 - Aro	1847	RW	Ackn. alarm time	WORD	Y	0 ... 9999	15	0	min	
438	Safety measures	569 - PrSAE	1848	RW	Suction HP/LP Alarm	WORD	Y	0 ... 3	2	0	num	
439	Safety measures	570 - PSAE	1849	RW	Suction HP/LP Alarm	WORD	Y	0 ... 3	2	0	num	
440	Safety measures	571 - gtSAE	1850	RW	Gas Level Alarm	WORD	Y	0 ... 3	3	0	num	
441	Safety measures	572 - gLSAE	1851	RW	Gas Escape Alarm	WORD	Y	0 ... 3	1	0	num	

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442	Safety measures	573 - PrdAE	1852	RW	Delivery HP/LP Alarm	WORD	Y	0 ... 3	2	0	num	
443	Safety measures	574 - PdAE	1853	RW	Delivery HP/LP Alarm	WORD	Y	0 ... 3	2	0	num	
444	Safety measures	575 - FtAE	1854	RW	Fan th.switch alarm	WORD	Y	0 ... 3	2	0	num	
445	Safety measures	576 - FlnAE	1855	RW	Fan Inv Saf Alarm	WORD	Y	0 ... 3	2	0	num	
446	Safety measures	577 - SFAE	1856	RW	Fan Mainten. Alarm	WORD	Y	0 ... 3	1	0	num	
447	Safety measures	578 - CSAE	1857	RW	Comp. Blocked Alarm	WORD	Y	0 ... 3	2	0	num	
448	Safety measures	579 - ClnAE	1858	RW	Comp. Inv. Saf. Alarm	WORD	Y	0 ... 3	2	0	num	
449	Safety measures	580 - SCAE	1859	RW	Comp. Main. Alarm	WORD	Y	0 ... 3	1	0	num	
450	Safety measures	581 - oLAE	1860	RW	Oil Level Alarm	WORD	Y	0 ... 3	1	0	num	
451	Safety measures	582 - gAAE	1861	RW	General Alarm	WORD	Y	0 ... 3	2	0	num	
452	Safety measures	583 - rtCAE	1862	RW	RTC Alarm	WORD	Y	0 ... 3	1	0	num	
453	Safety measures	701 - HPPAE	1863	RW	Prev. Tim. Alarm	WORD	Y	0 ... 1	1	0	num	
454	Resource allocation	584 - H201	2304	RW	Relay OUT1	WORD	Y	-93 ... 93	9	0	num	
455	Resource allocation	585 - H202	2305	RW	Relay OUT2	WORD	Y	-93 ... 93	19	0	num	
456	Resource allocation	586 - H203	2306	RW	Relay OUT3	WORD	Y	-93 ... 93	33	0	num	
457	Resource allocation	587 - H204	2307	RW	Relay OUT4	WORD	Y	-93 ... 93	34	0	num	
458	Resource allocation	588 - H205	2308	RW	Relay OUT5	WORD	Y	-93 ... 93	20	0	num	
459	Resource allocation	589 - H206	2309	RW	Relay OUT6	WORD	Y	-93 ... 93	38	0	num	
460	Resource allocation	590 - H207	2310	RW	Relay OUT7	WORD	Y	-93 ... 93	39	0	num	
461	Resource allocation	591 - H208	2311	RW	Relay OUT8	WORD	Y	-93 ... 93	21	0	num	
462	Resource allocation	592 - H209	2312	RW	Relay OUT9	WORD	Y	-93 ... 93	43	0	num	
463	Resource allocation	593 - H210	2313	RW	Relay OUT10	WORD	Y	-93 ... 93	44	0	num	
464	Resource allocation	594 - H211	2314	RW	Relay OUT11	WORD	Y	-93 ... 93	22	0	num	
465	Resource allocation	595 - H212	2315	RW	Relay OUT12	WORD	Y	-93 ... 93	48	0	num	
466	Resource allocation	596 - H213	2316	RW	Relay OUT13	WORD	Y	-93 ... 93	49	0	num	
467	Resource allocation	597 - H214	2317	RW	Relay OUT14	WORD	Y	-93 ... 93	93	0	num	
468	Resource allocation	598 - H215	2318	RW	Relay OUT15	WORD	Y	-93 ... 93	0	0	num	
469	Resource allocation	599 - H216	2319	RW	Relay OUT16	WORD	Y	-93 ... 93	0	0	num	
470	Resource allocation	600 - H217	2320	RW	Relay OUT17	WORD	Y	-93 ... 93	0	0	num	
471	Resource allocation	601 - H218	2321	RW	Relay OUT18	WORD	Y	-93 ... 93	0	0	num	
472	Resource allocation	602 - H219	2322	RW	Relay OUT19	WORD	Y	-93 ... 93	0	0	num	
473	Resource allocation	603 - H101	2323	RW	HV DIH1 digital IN	WORD	Y	-53 ... 53	39	0	num	
474	Resource allocation	604 - H102	2324	RW	HV DIH2 digital IN	WORD	Y	-53 ... 53	40	0	num	
475	Resource allocation	605 - H103	2325	RW	HV DIH3 digital IN	WORD	Y	-53 ... 53	41	0	num	
476	Resource allocation	606 - H104	2326	RW	HV DIH4 digital IN	WORD	Y	-53 ... 53	42	0	num	
477	Resource allocation	607 - H105	2327	RW	HV DIH5 digital IN	WORD	Y	-53 ... 53	38	0	num	
478	Resource allocation	608 - H106	2328	RW	HV DIH6 digital IN	WORD	Y	-53 ... 53	0	0	num	

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479	Resource allocation	<b>609 - H107</b>	<b>2329</b>	RW	HV DIH7 digital IN	WORD	Y	-53 ... 53	0	0	num	
480	Resource allocation	<b>610 - H108</b>	<b>2330</b>	RW	HV DIH8 digital IN	WORD	Y	-53 ... 53	0	0	num	
481	Resource allocation	<b>611 - H109</b>	<b>2331</b>	RW	HV DIH9 digital IN	WORD	Y	-53 ... 53	0	0	num	
482	Resource allocation	<b>612 - H110</b>	<b>2332</b>	RW	HV DIH10 digital IN	WORD	Y	-53 ... 53	0	0	num	
483	Resource allocation	<b>613 - H111</b>	<b>2333</b>	RW	HV DIH11 digital IN	WORD	Y	-53 ... 53	0	0	num	
484	Resource allocation	<b>614 - H112</b>	<b>2334</b>	RW	HV DIH12 digital IN	WORD	Y	-53 ... 53	0	0	num	
485	Resource allocation	<b>615 - H113</b>	<b>2335</b>	RW	HV DIH13 digital IN	WORD	Y	-53 ... 53	27	0	num	
486	Resource allocation	<b>616 - H114</b>	<b>2336</b>	RW	HV DIH14 digital IN	WORD	Y	-53 ... 53	29	0	num	
487	Resource allocation	<b>617 - H301</b>	<b>2337</b>	RW	LV DI1 digital IN	WORD	Y	-53 ... 53	0	0	num	
488	Resource allocation	<b>618 - H302</b>	<b>2338</b>	RW	LV DI2 digital IN	WORD	Y	-53 ... 53	0	0	num	
489	Resource allocation	<b>619 - H303</b>	<b>2339</b>	RW	LV DI3 digital IN	WORD	Y	-53 ... 53	0	0	num	
490	Resource allocation	<b>620 - H304</b>	<b>2340</b>	RW	LV DI4 digital IN	WORD	Y	-53 ... 53	10	0	num	
491	Resource allocation	<b>621 - H305</b>	<b>2341</b>	RW	LV DI5 digital IN	WORD	Y	-53 ... 53	8	0	num	
492	Resource allocation	<b>622 - H306</b>	<b>2342</b>	RW	LV DI6 digital IN	WORD	Y	-53 ... 53	6	0	num	
493	Resource allocation	<b>623 - H401</b>	<b>2343</b>	RW	SIG1 analogue IN	WORD	Y	0 ... 3	1	0	num	
494	Resource allocation	<b>624 - H402</b>	<b>2344</b>	RW	SIG2 analogue IN	WORD	Y	0 ... 3	0	0	num	
495	Resource allocation	<b>625 - H403</b>	<b>2345</b>	RW	SIG3 analogue IN	WORD	Y	-56 ... 56	3	0	num	
497	Resource allocation	<b>627 - H405</b>	<b>2347</b>	RW	PB1 analogue IN	WORD	Y	-60 ... 60	5	0	num	
498	Resource allocation	<b>628 - H406</b>	<b>2348</b>	RW	PB2 analogue IN	WORD	Y	-60 ... 60	6	0	num	
499	Resource allocation	<b>629 - H407</b>	<b>2349</b>	RW	PB3 analogue IN	WORD	Y	-60 ... 60	0	0	num	
500	Resource allocation	<b>630 - H408</b>	<b>2350</b>	RW	PB4 analogue IN	WORD	Y	-60 ... 60	4	0	num	
501	Resource allocation	<b>631 - H501</b>	<b>2351</b>	RW	V1/I1 analogue OUT	WORD	Y	0 ... 3	1	0	num	
502	Resource allocation	<b>632 - H502</b>	<b>2352</b>	RW	V2/I2 analogue OUT	WORD	Y	0 ... 3	0	0	num	
503	Resource allocation	<b>633 - H503</b>	<b>2353</b>	RW	V3/I3 analogue OUT	WORD	Y	0 ... 3	0	0	num	
957	Compressors	<b>551 - Stty</b>	<b>4096</b>	RW	Central setpoint	WORD	Y	0 ... 1	1	0	flag	
504	Compressors	<b>552 - PoLI</b>	<b>4097</b>	RW	Activation policy	WORD	Y	0 ... 3	2	0	num	
505	Compressors	<b>553 - SEr</b>	<b>4098</b>	RW	COMP time limit	WORD	Y	0 ... 32000	32000	0	ore	
506	Compressors	<b>101 - CCFn</b>	<b>4099</b>	RW	COMP control type	WORD	Y	0 ... 2	0	0	num	
958	Compressors	<b>102 - ItEn</b>	<b>4100</b>	RW	Full control	WORD	Y	0 ... 1	0	0	flag	
507	Compressors	<b>103 - It</b>	<b>4101</b>	RW	Full time	WORD	Y	1 ... 900	600	-1	sec	
959	Compressors	<b>104 - PbEn</b>	<b>4102</b>	RW	Proportional control	WORD	Y	0 ... 1	0	0	flag	
960	Compressors	<b>105 - dtEn</b>	<b>4103</b>	RW	Derivative control	WORD	Y	0 ... 1	0	0	flag	
508	Compressors	<b>106 - dt</b>	<b>4104</b>	RW	Derivative time	WORD	Y	1 ... 900	600	-1	sec	
509	Compressors	<b>107 - dSS</b>	<b>4105</b>	RW	Dyn. Suc. set. mode	WORD	Y	0 ... 1	1	0	num	
961	Compressors	<b>108 - CPP</b>	<b>4106</b>	RW	Enable ERR-control	WORD	Y	0 ... 1	0	0	flag	
510	Compressors	<b>109 - PoPr</b>	<b>4107</b>	RW	ERR power value	WORD	Y	0 ... 100	50	0	%	
512	Compressors	<b>111 - PEn</b>	<b>4109</b>	RW	Max alarm LPr times	WORD	Y	0 ... 33	3	0	num	

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513	Compressors	<b>112 - PEI</b>	<b>4110</b>	RW	Pen interval	WORD	Y	1 ... 15	15	0	min	
514	Compressors	<b>113 - byPS</b>	<b>4111</b>	RW	HPr-LPr bypass time	WORD	Y	0 ... 999	2	0	min	
515	Compressors	<b>114 - InLSP</b>	<b>4112</b>	RW	Minimum speed	WORD	Y	0 ... 100	20	0	%	
516	Compressors	<b>115 - InMSP</b>	<b>4113</b>	RW	Maximum speed	WORD	Y	0 ... 100	80	0	%	
517	Compressors	<b>116 - InSSP</b>	<b>4114</b>	RW	Saturation speed	WORD	Y	0 ... 100	90	0	%	
962	Compressors	<b>117 - CoIE</b>	<b>4115</b>	RW	Enable free INV	WORD	Y	0 ... 1	1	0	flag	
518	Compressors	<b>118 - PtSE</b>	<b>4116</b>	RW	Part. sequence	WORD	Y	0 ... 2	0	0	num	
520	Compressors	<b>120 - nCPC</b>	<b>4118</b>	RW	Select Master COMP	WORD	Y	<b>0...[523 - CpnU]</b>	0	0	num	
521	Compressors	<b>121 - oFon</b>	<b>4119</b>	RW	COMP OFF - ON time	WORD	Y	0 ... 999	5	0	min	
522	Compressors	<b>122 - donF</b>	<b>4120</b>	RW	COMP ON - OFF time	WORD	Y	0 ... 999	15	0	sec	
523	Compressors	<b>123 - onon</b>	<b>4121</b>	RW	COMP ON - ON time	WORD	Y	0 ... 999	5	0	min	
524	Compressors	<b>124 - don</b>	<b>4122</b>	RW	ON steps time	WORD	Y	0 ... 999	15	0	sec	
525	Compressors	<b>125 - doF</b>	<b>4123</b>	RW	OFF steps time	WORD	Y	0 ... 999	5	0	sec	
963	Compressors	<b>126 - FdLy</b>	<b>4124</b>	RW	Enable dOn 1' Ins.	WORD	Y	0 ... 1	1	0	flag	
964	Compressors	<b>127 - FdLF</b>	<b>4125</b>	RW	Enable dOF 1' Dis.	WORD	Y	0 ... 1	1	0	flag	
526	Compressors	<b>128 - InPC</b>	<b>4126</b>	RW	% inv. variation	WORD	Y	1 ... 100	10	0	%	
527	Compressors	<b>129 - Inot</b>	<b>4127</b>	RW	Max time INV at 0%	WORD	Y	0 ... 999	999	0	min	
528	Compressors	<b>130 - InLt</b>	<b>4128</b>	RW	Time INV at min. sp.	WORD	Y	0 ... 999	0	0	sec	
529	Compressors	<b>131 - LSE</b>	<b>4129</b>	RW	Minimum setpoint	WORD	Y	-1000 ... 6000	-550	-1	°C	
530	Compressors	<b>132 - HSE</b>	<b>4130</b>	RW	Maximum setpoint	WORD	Y	-1000 ... 6000	0	-1	°C	
531	Compressors	<b>133 - SEt</b>	<b>4131</b>	RW	Suction setpoint	WORD	Y	<b>131 -LSE...132-HSE</b>	-350	-1	°C	
532	Compressors	<b>134 - Pbd</b>	<b>4132</b>	RW	Proportional band	WORD	Y	-1000 ... 6000	50	-1	°C	
533	Compressors	<b>135 - PbdE</b>	<b>4133</b>	RW	Extended prop. band	WORD	Y	-1000 ... 6000	100	-1	°C	
534	Compressors	<b>136 - dSPo1</b>	<b>4134</b>	RW	Offset 1 for dyn set	WORD	Y	-1000 ... 6000	20	-1	°C	
535	Compressors	<b>137 - dSPo2</b>	<b>4135</b>	RW	Offset 2 for dyn set	WORD	Y	-1000 ... 6000	20	-1	°C	
536	Compressors	<b>138 - dLAL</b>	<b>4136</b>	RW	LAL delta	WORD	Y	-1000 ... 6000	20	-1	°C	
537	Compressors	<b>139 - LAL</b>	<b>4137</b>	RW	Low alarm	WORD	Y	-1000 ... 6000	50	-1	°C	
538	Compressors	<b>140 - dHAL</b>	<b>4138</b>	RW	HAL delta	WORD	Y	-1000 ... 6000	20	-1	°C	
539	Compressors	<b>141 - HAL</b>	<b>4139</b>	RW	High alarm	WORD	Y	-1000 ... 6000	50	-1	°C	
540	Compressors	<b>142 - Cod1</b>	<b>4140</b>	RW	Delta 1 cut-off	WORD	Y	-1000 ... 6000	20	-1	°C	
541	Compressors	<b>143 - Cod2</b>	<b>4141</b>	RW	Delta 2 cut-off	WORD	Y	-1000 ... 6000	0	-1	°C	
542	Compressors	<b>144 - InLPt</b>	<b>4142</b>	RW	INV min power limit	WORD	Y	-1000 ... 6000	-370	-1	°C	
543	Compressors	<b>145 - AtdS</b>	<b>4143</b>	RW	Amb temp dynamic set	WORD	Y	-1000 ... 6000	150	-1	°C	
544	Compressors	<b>146 - dAtdS</b>	<b>4144</b>	RW	AtdS differential	WORD	Y	-1000 ... 6000	20	-1	°C	
545	Compressors	<b>131 - LSE</b>	<b>4145</b>	RW	Minimum setpoint	WORD	Y	-1500 ... 9999	-670	-1	°F	
546	Compressors	<b>132 - HSE</b>	<b>4146</b>	RW	Maximum setpoint	WORD	Y	-1500 ... 9999	320	-1	°F	
547	Compressors	<b>133 - SEt</b>	<b>4147</b>	RW	Suction setpoint	WORD	Y	<b>131 -LSE...132-HSE</b>	-310	-1	°F	

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548	Compressors	<b>134 - Pbd</b>	<b>4148</b>	RW	Proportional band	WORD	Y	-1500 ... 9999	90	-1	°F	
549	Compressors	<b>135 - PbdE</b>	<b>4149</b>	RW	Extended prop. band	WORD	Y	-1500 ... 9999	180	-1	°F	
550	Compressors	<b>136 - dSPo1</b>	<b>4150</b>	RW	Offset 1 for dyn set	WORD	Y	-1500 ... 9999	36	-1	°F	
551	Compressors	<b>137 - dSPo2</b>	<b>4151</b>	RW	Offset 2 for dyn set	WORD	Y	-1500 ... 9999	36	-1	°F	
552	Compressors	<b>138 - dLAL</b>	<b>4152</b>	RW	LAL delta	WORD	Y	-1500 ... 9999	36	-1	°F	
553	Compressors	<b>139 - LAL</b>	<b>4153</b>	RW	Low alarm	WORD	Y	-1500 ... 9999	410	-1	°F	
554	Compressors	<b>140 - dHAL</b>	<b>4154</b>	RW	HAL delta	WORD	Y	-1500 ... 9999	36	-1	°F	
555	Compressors	<b>141 - HAL</b>	<b>4155</b>	RW	High alarm	WORD	Y	-1500 ... 9999	410	-1	°F	
556	Compressors	<b>142 - Cod1</b>	<b>4156</b>	RW	Delta 1 cut-off	WORD	Y	-1500 ... 9999	36	-1	°F	
557	Compressors	<b>143 - Cod2</b>	<b>4157</b>	RW	Delta 2 cut-off	WORD	Y	-1500 ... 9999	0	-1	°F	
558	Compressors	<b>144 - InLPt</b>	<b>4158</b>	RW	INV min power limit	WORD	Y	-1500 ... 9999	-346	-1	°F	
559	Compressors	<b>145 - AtdS</b>	<b>4159</b>	RW	Amb temp dynamic set	WORD	Y	-1500 ... 9999	590	-1	°F	
560	Compressors	<b>146 - dAtdS</b>	<b>4160</b>	RW	AtdS differential	WORD	Y	-1500 ... 9999	36	-1	°F	
561	Compressors	<b>131 - LSE</b>	<b>4161</b>	RW	Minimum setpoint	WORD	Y	-100 ... 6800	37	-2	bar	
562	Compressors	<b>132 - HSE</b>	<b>4162</b>	RW	Maximum setpoint	WORD	Y	-100 ... 6800	460	-2	bar	
563	Compressors	<b>133 - SEt</b>	<b>4163</b>	RW	Suction setpoint	WORD	Y	<b>131 -LSE...132-HSE</b>	109	-2	bar	
564	Compressors	<b>134 - Pbd</b>	<b>4164</b>	RW	Proportional band	WORD	Y	-100 ... 6800	25	-2	bar	
565	Compressors	<b>135 - PbdE</b>	<b>4165</b>	RW	Extended prop. band	WORD	Y	-100 ... 6800	51	-2	bar	
566	Compressors	<b>136 - dSPo1</b>	<b>4166</b>	RW	Offset 1 for dyn set	WORD	Y	-100 ... 6800	10	-2	bar	
567	Compressors	<b>137 - dSPo2</b>	<b>4167</b>	RW	Offset 2 for dyn set	WORD	Y	-100 ... 6800	10	-2	bar	
568	Compressors	<b>138 - dLAL</b>	<b>4168</b>	RW	LAL delta	WORD	Y	-100 ... 6800	10	-2	bar	
569	Compressors	<b>139 - LAL</b>	<b>4169</b>	RW	Low alarm	WORD	Y	-100 ... 6800	547	-2	bar	
570	Compressors	<b>140 - dHAL</b>	<b>4170</b>	RW	HAL delta	WORD	Y	-100 ... 6800	10	-2	bar	
571	Compressors	<b>141 - HAL</b>	<b>4171</b>	RW	High alarm	WORD	Y	-100 ... 6800	247	-2	bar	
572	Compressors	<b>142 - Cod1</b>	<b>4172</b>	RW	Delta 1 cut-off	WORD	Y	-100 ... 6800	10	-2	bar	
573	Compressors	<b>143 - Cod2</b>	<b>4173</b>	RW	Delta 2 cut-off	WORD	Y	-100 ... 6800	0	-2	bar	
574	Compressors	<b>144 - InLPt</b>	<b>4174</b>	RW	INV min power limit	WORD	Y	-100 ... 6800	99	-2	bar	
577	Compressors	<b>131 - LSE</b>	<b>4177</b>	RW	Minimum setpoint	WORD	Y	-145 ... 9999	53	-1	Psi	
578	Compressors	<b>132 - HSE</b>	<b>4178</b>	RW	Maximum setpoint	WORD	Y	-145 ... 9999	667	-1	Psi	
579	Compressors	<b>133 - SEt</b>	<b>4179</b>	RW	Suction setpoint	WORD	Y	<b>131 -LSE...132-HSE</b>	158	-1	Psi	
580	Compressors	<b>134 - Pbd</b>	<b>4180</b>	RW	Proportional band	WORD	Y	-145 ... 9999	36	-1	Psi	
581	Compressors	<b>135 - PbdE</b>	<b>4181</b>	RW	Extended prop. band	WORD	Y	-145 ... 9999	73	-1	Psi	
582	Compressors	<b>136 - dSPo1</b>	<b>4182</b>	RW	Offset 1 for dyn set	WORD	Y	-145 ... 9999	14	-1	Psi	
583	Compressors	<b>137 - dSPo2</b>	<b>4183</b>	RW	Offset 2 for dyn set	WORD	Y	-145 ... 9999	14	-1	Psi	
584	Compressors	<b>138 - dLAL</b>	<b>4184</b>	RW	LAL delta	WORD	Y	-145 ... 9999	14	-1	Psi	
585	Compressors	<b>139 - LAL</b>	<b>4185</b>	RW	Low alarm	WORD	Y	-145 ... 9999	793	-1	Psi	
586	Compressors	<b>140 - dHAL</b>	<b>4186</b>	RW	HAL delta	WORD	Y	-145 ... 9999	14	-1	Psi	

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587	Compressors	<b>141 - HAL</b>	<b>4187</b>	RW	High alarm	WORD	Y	-145 ... 9999	793	-1	Psi	
588	Compressors	<b>142 - Cod1</b>	<b>4188</b>	RW	Delta 1 cut-off	WORD	Y	-145 ... 9999	14	-1	Psi	
589	Compressors	<b>143 - Cod2</b>	<b>4189</b>	RW	Delta 2 cut-off	WORD	Y	-145 ... 9999	0	-1	Psi	
590	Compressors	<b>144 - InLPt</b>	<b>4190</b>	RW	INV min power limit	WORD	Y	-145 ... 9999	143	-1	Psi	
593	Compressors [2]	<b>201 - CCFn</b>	<b>4193</b>	RW	COMP control type	WORD	Y	0 ... 2	0	0	num	
965	Compressors [2]	<b>202 - ItEn</b>	<b>4194</b>	RW	Full control	WORD	Y	0 ... 1	0	0	flag	
594	Compressors [2]	<b>203 - It</b>	<b>4195</b>	RW	Full time	WORD	Y	1 ... 900	600	-1	sec	
966	Compressors [2]	<b>204 - PbEn</b>	<b>4196</b>	RW	Proportional control	WORD	Y	0 ... 1	0	0	flag	
967	Compressors [2]	<b>205 - dtEn</b>	<b>4197</b>	RW	Derivative control	WORD	Y	0 ... 1	0	0	flag	
595	Compressors [2]	<b>206 - dt</b>	<b>4198</b>	RW	Derivative time	WORD	Y	1 ... 900	600	-1	sec	
596	Compressors [2]	<b>207 - dSS</b>	<b>4199</b>	RW	Dyn. Suc. set. mode	WORD	Y	0 ... 1	1	0	num	
968	Compressors [2]	<b>208 - CPP</b>	<b>4200</b>	RW	Enable ERR-control	WORD	Y	0 ... 1	0	0	flag	
597	Compressors [2]	<b>209 - PoPr</b>	<b>4201</b>	RW	ERR power value	WORD	Y	0 ... 100	50	0	%	
599	Compressors [2]	<b>211 - PEn</b>	<b>4203</b>	RW	Max alarm LPr times	WORD	Y	0 ... 33	3	0	num	
600	Compressors [2]	<b>212 - PEI</b>	<b>4204</b>	RW	Pen interval	WORD	Y	1 ... 15	15	0	min	
601	Compressors [2]	<b>213 - byPS</b>	<b>4205</b>	RW	HPr-LPr bypass time	WORD	Y	0 ... 999	2	0	min	
602	Compressors [2]	<b>214 - InLSP</b>	<b>4206</b>	RW	Minimum speed	WORD	Y	0 ... 100	20	0	%	
603	Compressors [2]	<b>215 - InMSP</b>	<b>4207</b>	RW	Maximum speed	WORD	Y	0 ... 100	80	0	%	
604	Compressors [2]	<b>216 - InSSP</b>	<b>4208</b>	RW	Saturation speed	WORD	Y	0 ... 100	90	0	%	
1	Compressors [2]	<b>217 - CoIE</b>	<b>4209</b>	RW	Enable free INV	WORD	Y	0 ... 1	1	0	flag	
605	Compressors [2]	<b>218 - PtSE</b>	<b>4210</b>	RW	Part. sequence	WORD	Y	0 ... 2	0	0	num	
607	Compressors [2]	<b>220 - nCPC</b>	<b>4212</b>	RW	Select Master COMP	WORD	Y	<b>0...[522 - CpnU2]</b>	0	0	num	
608	Compressors [2]	<b>221 - oFon</b>	<b>4213</b>	RW	COMP OFF - ON time	WORD	Y	0 ... 999	5	0	min	
609	Compressors [2]	<b>222 - donF</b>	<b>4214</b>	RW	COMP ON - OFF time	WORD	Y	0 ... 999	15	0	sec	
610	Compressors [2]	<b>223 - onon</b>	<b>4215</b>	RW	COMP ON - ON time	WORD	Y	0 ... 999	5	0	min	
611	Compressors [2]	<b>224 - don</b>	<b>4216</b>	RW	ON steps time	WORD	Y	0 ... 999	15	0	sec	
612	Compressors [2]	<b>225 - doF</b>	<b>4217</b>	RW	OFF steps time	WORD	Y	0 ... 999	50	0	sec	
970	Compressors [2]	<b>226 - FdLy</b>	<b>4218</b>	RW	Enable dOn 1' Ins.	WORD	Y	0 ... 1	1	0	flag	
971	Compressors [2]	<b>227 - FdLF</b>	<b>4219</b>	RW	Enable dOF 1' Dis.	WORD	Y	0 ... 1	1	0	flag	
613	Compressors [2]	<b>228 - InPC</b>	<b>4220</b>	RW	% inv. variation	WORD	Y	1 ... 100	10	0	%	
614	Compressors [2]	<b>229 - Inot</b>	<b>4221</b>	RW	Max time INV at 0%	WORD	Y	0 ... 999	999	0	min	
615	Compressors [2]	<b>230 - InLt</b>	<b>4222</b>	RW	Time INV at min. sp.	WORD	Y	0 ... 999	0	0	sec	
616	Compressors [2]	<b>231 - LSE</b>	<b>4223</b>	RW	Minimum setpoint	WORD	Y	-1000 ... 6000	-550	-1	°C	
617	Compressors [2]	<b>232 - HSE</b>	<b>4224</b>	RW	Maximum setpoint	WORD	Y	-1000 ... 6000	0	-1	°C	
618	Compressors [2]	<b>233 - SEt</b>	<b>4225</b>	RW	Suction setpoint	WORD	Y	<b>231 -LSE...232-HSE</b>	-80	-1	°C	
619	Compressors [2]	<b>234 - Pbd</b>	<b>4226</b>	RW	Proportional band	WORD	Y	-1000 ... 6000	50	-1	°C	
620	Compressors [2]	<b>235 - PbdE</b>	<b>4227</b>	RW	Extended prop. band	WORD	Y	-1000 ... 6000	100	-1	°C	

INDEX	FOLDER	LABEL	ADDRESS	R/W	DESCRIPTION	DATA SIZE	CPL	RANGE	DEFAULT	EXP	M.U.	Notes
621	Compressors [2]	236 - dSPo1	4228	RW	Offset 1 for dyn set	WORD	Y	-1000 ... 6000	20	-1	°C	
622	Compressors [2]	237 - dSPo2	4229	RW	Offset 2 for dyn set	WORD	Y	-1000 ... 6000	20	-1	°C	
623	Compressors [2]	238 - dLAL	4230	RW	LAL delta	WORD	Y	-1000 ... 6000	20	-1	°C	
624	Compressors [2]	239 - LAL	4231	RW	Low alarm	WORD	Y	-1000 ... 6000	50	-1	°C	
625	Compressors [2]	240 - dHAL	4232	RW	HAL delta	WORD	Y	-1000 ... 6000	20	-1	°C	
626	Compressors [2]	241 - HAL	4233	RW	High alarm	WORD	Y	-1000 ... 6000	50	-1	°C	
627	Compressors [2]	242 - Cod1	4234	RW	Delta 1 cut-off	WORD	Y	-1000 ... 6000	20	-1	°C	
628	Compressors [2]	243 - Cod2	4235	RW	Delta 2 cut-off	WORD	Y	-1000 ... 6000	0	-1	°C	
629	Compressors [2]	244 - InLPt	4236	RW	INV min power limit	WORD	Y	-1000 ... 6000	-100	-1	°C	
630	Compressors [2]	245 - AtdS	4237	RW	Amb temp dynamic set	WORD	Y	-1000 ... 6000	150	-1	°C	
631	Compressors [2]	246 - dAtdS	4238	RW	AtdS differential	WORD	Y	-1000 ... 6000	20	-1	°C	
632	Compressors [2]	231 - LSE	4239	RW	Minimum setpoint	WORD	Y	-1500 ... 9999	-670	-1	°F	
633	Compressors [2]	232 - HSE	4240	RW	Maximum setpoint	WORD	Y	-1500 ... 9999	320	-1	°F	
634	Compressors [2]	233 - SEt	4241	RW	Suction setpoint	WORD	Y	231 -LSE...232-HSE	176	-1	°F	
635	Compressors [2]	234 - Pbd	4242	RW	Proportional band	WORD	Y	-1500 ... 9999	90	-1	°F	
636	Compressors [2]	235 - PbdE	4243	RW	Extended prop. band	WORD	Y	-1500 ... 9999	180	-1	°F	
637	Compressors [2]	236 - dSPo1	4244	RW	Offset 1 for dyn set	WORD	Y	-1500 ... 9999	36	-1	°F	
638	Compressors [2]	237 - dSPo2	4245	RW	Offset 2 for dyn set	WORD	Y	-1500 ... 9999	36	-1	°F	
639	Compressors [2]	238 - dLAL	4246	RW	LAL delta	WORD	Y	-1500 ... 9999	36	-1	°F	
640	Compressors [2]	239 - LAL	4247	RW	Low alarm	WORD	Y	-1500 ... 9999	410	-1	°F	
641	Compressors [2]	240 - dHAL	4248	RW	HAL delta	WORD	Y	-1500 ... 9999	36	-1	°F	
642	Compressors [2]	241 - HAL	4249	RW	High alarm	WORD	Y	-1500 ... 9999	410	-1	°F	
643	Compressors [2]	242 - Cod1	4250	RW	Delta 1 cut-off	WORD	Y	-1500 ... 9999	36	-1	°F	
644	Compressors [2]	243 - Cod2	4251	RW	Delta 2 cut-off	WORD	Y	-1500 ... 9999	0	-1	°F	
645	Compressors [2]	244 - InLPt	4252	RW	INV min power limit	WORD	Y	-1500 ... 9999	14	-1	°F	
646	Compressors [2]	245 - AtdS	4253	RW	Amb temp dynamic set	WORD	Y	-1500 ... 9999	590	-1	°F	
647	Compressors [2]	246 - dAtdS	4254	RW	AtdS differential	WORD	Y	-1500 ... 9999	36	-1	°F	
648	Compressors [2]	231 - LSE	4255	RW	Minimum setpoint	WORD	Y	-100 ... 6800	37	-2	bar	
649	Compressors [2]	232 - HSE	4256	RW	Maximum setpoint	WORD	Y	-100 ... 6800	460	-2	bar	
650	Compressors [2]	233 - SEt	4257	RW	Suction setpoint	WORD	Y	231 -LSE...232-HSE	344	-2	bar	
651	Compressors [2]	234 - Pbd	4258	RW	Proportional band	WORD	Y	-100 ... 6800	70	-2	bar	
652	Compressors [2]	235 - PbdE	4259	RW	Extended prop. band	WORD	Y	-100 ... 6800	141	-2	bar	
653	Compressors [2]	236 - dSPo1	4260	RW	Offset 1 for dyn set	WORD	Y	-100 ... 6800	28	-2	bar	
654	Compressors [2]	237 - dSPo2	4261	RW	Offset 2 for dyn set	WORD	Y	-100 ... 6800	28	-2	bar	
655	Compressors [2]	238 - dLAL	4262	RW	LAL delta	WORD	Y	-100 ... 6800	28	-2	bar	
656	Compressors [2]	239 - LAL	4263	RW	Low alarm	WORD	Y	-100 ... 6800	547	-2	bar	
657	Compressors [2]	240 - dHAL	4264	RW	HAL delta	WORD	Y	-100 ... 6800	28	-2	bar	



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658	Compressors [2]	<b>241 - HAL</b>	<b>4265</b>	RW	High alarm	WORD	Y	-100 ... 6800	547	-2	bar	
659	Compressors [2]	<b>242 - Cod1</b>	<b>4266</b>	RW	Delta 1 cut-off	WORD	Y	-100 ... 6800	28	-2	bar	
660	Compressors [2]	<b>243 - Cod2</b>	<b>4267</b>	RW	Delta 2 cut-off	WORD	Y	-100 ... 6800	0	-2	bar	
661	Compressors [2]	<b>244 - InLPt</b>	<b>4268</b>	RW	INV min power limit	WORD	Y	-100 ... 6800	319	-2	bar	
664	Compressors [2]	<b>231 - LSE</b>	<b>4271</b>	RW	Minimum setpoint	WORD	Y	-145 ... 9999	53	-1	Psi	
665	Compressors [2]	<b>232 - HSE</b>	<b>4272</b>	RW	Maximum setpoint	WORD	Y	-145 ... 9999	667	-1	Psi	
666	Compressors [2]	<b>233 - SET</b>	<b>4273</b>	RW	Suction setpoint	WORD	Y	<b>231 -LSE...232-HSE</b>	498	-1	Psi	
667	Compressors [2]	<b>234 - Pbd</b>	<b>4274</b>	RW	Proportional band	WORD	Y	-145 ... 9999	101	-1	Psi	
668	Compressors [2]	<b>235 - PbdE</b>	<b>4275</b>	RW	Extended prop. band	WORD	Y	-145 ... 9999	204	-1	Psi	
669	Compressors [2]	<b>236 - dSPo1</b>	<b>4276</b>	RW	Offset 1 for dyn set	WORD	Y	-145 ... 9999	40	-1	Psi	
670	Compressors [2]	<b>237 - dSPo2</b>	<b>4277</b>	RW	Offset 2 for dyn set	WORD	Y	-145 ... 9999	40	-1	Psi	
671	Compressors [2]	<b>238 - dLAL</b>	<b>4278</b>	RW	LAL delta	WORD	Y	-145 ... 9999	40	-1	Psi	
672	Compressors [2]	<b>239 - LAL</b>	<b>4279</b>	RW	Low alarm	WORD	Y	-145 ... 9999	793	-1	Psi	
673	Compressors [2]	<b>240 - dHAL</b>	<b>4280</b>	RW	HAL delta	WORD	Y	-145 ... 9999	40	-1	Psi	
674	Compressors [2]	<b>241 - HAL</b>	<b>4281</b>	RW	High alarm	WORD	Y	-145 ... 9999	793	-1	Psi	
675	Compressors [2]	<b>242 - Cod1</b>	<b>4282</b>	RW	Delta 1 cut-off	WORD	Y	-145 ... 9999	40	-1	Psi	
676	Compressors [2]	<b>243 - Cod2</b>	<b>4283</b>	RW	Delta 2 cut-off	WORD	Y	-145 ... 9999	0	-1	Psi	
677	Compressors [2]	<b>244 - InLPt</b>	<b>4284</b>	RW	INV min power limit	WORD	Y	-145 ... 9999	462	-1	Psi	
680	Ventilators	<b>301 - FCFn</b>	<b>4352</b>	RW	Type of FAN control	WORD	Y	0 ... 2	0	0	num	
972	Ventilators	<b>302 - FACt</b>	<b>4353</b>	RW	Activation mode	WORD	Y	0 ... 1	0	0	flag	
973	Ventilators	<b>303 - CoIE</b>	<b>4354</b>	RW	Enable free INV	WORD	Y	0 ... 1	0	0	flag	
974	Ventilators	<b>304 - ItEn</b>	<b>4355</b>	RW	Full control	WORD	Y	0 ... 1	0	0	flag	
681	Ventilators	<b>305 - It</b>	<b>4356</b>	RW	Full time	WORD	Y	1 ... 900	600	-1	sec	
975	Ventilators	<b>306 - PbEn</b>	<b>4357</b>	RW	Proportional control	WORD	Y	0 ... 1	0	0	flag	
976	Ventilators	<b>307 - dtEn</b>	<b>4358</b>	RW	Derivative control	WORD	Y	0 ... 1	0	0	flag	
682	Ventilators	<b>308 - dt</b>	<b>4359</b>	RW	Derivative time	WORD	Y	1 ... 900	600	-1	sec	
683	Ventilators	<b>309 - InLSP</b>	<b>4360</b>	RW	Minimum speed	WORD	Y	0 ... 100	20	0	%	
684	Ventilators	<b>310 - InMSP</b>	<b>4361</b>	RW	Maximum speed	WORD	Y	0 ... 100	80	0	%	
685	Ventilators	<b>311 - InSSP</b>	<b>4362</b>	RW	Saturation speed	WORD	Y	0 ... 100	90	0	%	
977	Ventilators	<b>312 - FPP</b>	<b>4363</b>	RW	Enable ERR-control	WORD	Y	0 ... 1	0	0	flag	
686	Ventilators	<b>313 - FPr</b>	<b>4364</b>	RW	ERR power value	WORD	Y	0 ... 100	50	0	%	
687	Ventilators	<b>314 - dSd</b>	<b>4365</b>	RW	Dyn. Del. Set. mode.	WORD	Y	0 ... 1	1	0	num	
688	Ventilators	<b>315 - PEn</b>	<b>4366</b>	RW	Max alarm LPr times	WORD	Y	0 ... 33	3	0	num	
689	Ventilators	<b>316 - PEI</b>	<b>4367</b>	RW	Pen interval	WORD	Y	1 ... 15	15	0	min	
690	Ventilators	<b>317 - byPS</b>	<b>4368</b>	RW	HPr-LPr bypass time	WORD	Y	0 ... 999	2	0	sec	
978	Ventilators	<b>318 - HPPE</b>	<b>4369</b>	RW	Enable HP prev.	WORD	Y	0 ... 1	0	0	flag	
691	Ventilators	<b>319 - HPPP</b>	<b>4370</b>	RW	Red. Pow. HP Prev.	WORD	Y	1 ... 100	30	0	%	

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692	Ventilators	<b>320 - HPPd</b>	<b>4371</b>	RW	HP Prev.Max.Duration	WORD	Y	0 ... 999	15	0	min	
693	Ventilators	<b>321 - HPPI</b>	<b>4372</b>	RW	HP Prev. Interval	WORD	Y	0 ... 999	10	0	ore	
979	Ventilators	<b>322 - rot</b>	<b>4373</b>	RW	Activation policy	WORD	Y	0 ... 1	0	0	flag	
694	Ventilators	<b>323 - Clt</b>	<b>4374</b>	RW	Pick-up time	WORD	Y	0 ... 120	30	0	sec	
695	Ventilators	<b>324 - don</b>	<b>4375</b>	RW	ON steps time	WORD	Y	0 ... 999	15	0	sec	
696	Ventilators	<b>325 - doF</b>	<b>4376</b>	RW	OFF steps time	WORD	Y	0 ... 999	5	0	sec	
697	Ventilators	<b>326 - FSSt</b>	<b>4377</b>	RW	Max OFF time	WORD	Y	0 ... 999	24	0	ore	
698	Ventilators	<b>327 - SEr</b>	<b>4378</b>	RW	FAN time limit	WORD	Y	0 ... 32000	32000	0	ore	
699	Ventilators	<b>328 - Inot</b>	<b>4379</b>	RW	Max time INV at 0%	WORD	Y	0 ... 999	15	0	min	
700	Ventilators	<b>329 - InPC</b>	<b>4380</b>	RW	% inv. variation	WORD	Y	1 ... 100	20	0	%	
701	Ventilators	<b>330 - InoS</b>	<b>4381</b>	RW	INV 0% activat. mode	WORD	Y	0 ... 1	1	0	num	
702	Ventilators	<b>331 - LSE</b>	<b>4382</b>	RW	Minimum setpoint	WORD	Y	-1000 ... 6000	0	-1	°C	
703	Ventilators	<b>332 - HSE</b>	<b>4383</b>	RW	Maximum setpoint	WORD	Y	-1000 ... 6000	450	-1	°C	
704	Ventilators	<b>333 - SEt</b>	<b>4384</b>	RW	Delivery setpoint	WORD	Y	<b>331 -LSE...332-HSE</b>	350	-1	°C	
705	Ventilators	<b>334 - Pbd</b>	<b>4385</b>	RW	Proportional band	WORD	Y	-1000 ... 6000	80	-1	°C	
706	Ventilators	<b>335 - Cod1</b>	<b>4386</b>	RW	Delta 1cut-off	WORD	Y	-1000 ... 6000	10	-1	°C	
707	Ventilators	<b>336 - Cod2</b>	<b>4387</b>	RW	Delta 2 cut-off	WORD	Y	-1000 ... 6000	10	-1	°C	
708	Ventilators	<b>337 - dHAL</b>	<b>4388</b>	RW	HAL delta	WORD	Y	-1000 ... 6000	20	-1	°C	
709	Ventilators	<b>338 - HAL</b>	<b>4389</b>	RW	High alarm	WORD	Y	-1000 ... 6000	50	-1	°C	
710	Ventilators	<b>339 - dSFo</b>	<b>4390</b>	RW	Fixed offset dyn set	WORD	Y	-1000 ... 6000	20	-1	°C	
711	Ventilators	<b>340 - HPP1</b>	<b>4391</b>	RW	HP prev. limit 1	WORD	Y	-1000 ... 6000	30	-1	°C	
712	Ventilators	<b>341 - HPP2</b>	<b>4392</b>	RW	HP prev. limit 2	WORD	Y	-1000 ... 6000	40	-1	°C	
713	Ventilators	<b>342 - HPPb</b>	<b>4393</b>	RW	HP prev. alarm band	WORD	Y	-1000 ... 6000	10	-1	°C	
714	Ventilators	<b>343 - dLAL</b>	<b>4394</b>	RW	LAL delta	WORD	Y	-1000 ... 6000	20	-1	°C	
715	Ventilators	<b>344 - LAL</b>	<b>4395</b>	RW	Low alarm	WORD	Y	-1000 ... 6000	50	-1	°C	
716	Ventilators	<b>345 - InLPt</b>	<b>4396</b>	RW	INV min power limit	WORD	Y	-1000 ... 6000	340	-1	°C	
717	Ventilators	<b>346 - dSdo</b>	<b>4397</b>	RW	Dyn. Offset Dyn. Set	WORD	Y	-1000 ... 6000	50	-1	°C	
718	Ventilators	<b>347 - dSLdo</b>	<b>4398</b>	RW	Min Dyn.Offs.Dyn.Set	WORD	Y	-1000 ... 6000	30	-1	°C	
719	Ventilators	<b>348 - dSMEt</b>	<b>4399</b>	RW	MaxExtTemDynSet	WORD	Y	-1000 ... 6000	300	-1	°C	
720	Ventilators	<b>349 - LdSP</b>	<b>4400</b>	RW	Min. dynamic set	WORD	Y	-1000 ... 6000	300	-1	°C	
721	Ventilators	<b>350 - SCt1</b>	<b>4401</b>	RW	Minimum sub-cooling	WORD	Y	-1000 ... 6000	30	-1	°C	
722	Ventilators	<b>351 - SCt2</b>	<b>4402</b>	RW	Maximum sub-cooling	WORD	Y	-1000 ... 6000	60	-1	°C	
723	Ventilators	<b>352 - SCd1</b>	<b>4403</b>	RW	Sub-cooling delta1	WORD	Y	-1000 ... 6000	10	-1	°C	
724	Ventilators	<b>353 - SCoF1</b>	<b>4404</b>	RW	Sub-cooling offset1	WORD	Y	-1000 ... 6000	10	-1	°C	
725	Ventilators	<b>354 - SCd2</b>	<b>4405</b>	RW	Sub-cooling Delta2	WORD	Y	-1000 ... 6000	10	-1	°C	
726	Ventilators	<b>355 - SCoF2</b>	<b>4406</b>	RW	Sub-cooling Offset2	WORD	Y	-1000 ... 6000	10	-1	°C	
727	Ventilators	<b>356 - EtPr</b>	<b>4407</b>	RW	Safety ext temp	WORD	Y	-1000 ... 6000	0	-1	°C	

<b>INDEX</b>	<b>FOLDER</b>	<b>LABEL</b>	<b>ADDRESS</b>	<b>R/W</b>	<b>DESCRIPTION</b>	<b>DATA SIZE</b>	<b>CPL</b>	<b>RANGE</b>	<b>DEFAULT</b>	<b>EXP</b>	<b>M.U.</b>	<b>Notes</b>
728	Ventilators	<b>331 - LSE</b>	<b>4408</b>	RW	Minimum setpoint	WORD	Y	-1500 ... 9999	320	-1	°F	
729	Ventilators	<b>332 - HSE</b>	<b>4409</b>	RW	Maximum setpoint	WORD	Y	-1500 ... 9999	1130	-1	°F	
730	Ventilators	<b>333 - SEt</b>	<b>4410</b>	RW	Delivery setpoint	WORD	Y	<b>331 -LSE...332-HSE</b>	950	-1	°F	
731	Ventilators	<b>334 - Pbd</b>	<b>4411</b>	RW	Proportional band	WORD	Y	-1500 ... 9999	144	-1	°F	
732	Ventilators	<b>335 - Cod1</b>	<b>4412</b>	RW	Delta 1cut-off	WORD	Y	-1500 ... 9999	18	-1	°F	
733	Ventilators	<b>336 - Cod2</b>	<b>4413</b>	RW	Delta 2 cut-off	WORD	Y	-1500 ... 9999	18	-1	°F	
734	Ventilators	<b>337 - dHAL</b>	<b>4414</b>	RW	HAL delta	WORD	Y	-1500 ... 9999	36	-1	°F	
735	Ventilators	<b>338 - HAL</b>	<b>4415</b>	RW	High alarm	WORD	Y	-1500 ... 9999	410	-1	°F	
736	Ventilators	<b>339 - dSFo</b>	<b>4416</b>	RW	Fixed offset dyn set	WORD	Y	-1500 ... 9999	36	-1	°F	
737	Ventilators	<b>340 - HPP1</b>	<b>4417</b>	RW	HP prev. limit 1	WORD	Y	-1500 ... 9999	374	-1	°F	
738	Ventilators	<b>341 - HPP2</b>	<b>4418</b>	RW	HP prev. limit 2	WORD	Y	-1500 ... 9999	392	-1	°F	
739	Ventilators	<b>342 - HPPb</b>	<b>4419</b>	RW	HP prev. alarm band	WORD	Y	-1500 ... 9999	18	-1	°F	
740	Ventilators	<b>343 - dLAL</b>	<b>4420</b>	RW	LAL delta	WORD	Y	-1500 ... 9999	36	-1	°F	
741	Ventilators	<b>344 - LAL</b>	<b>4421</b>	RW	Low alarm	WORD	Y	-1500 ... 9999	410	-1	°F	
742	Ventilators	<b>345 - InLPt</b>	<b>4422</b>	RW	INV min power limit	WORD	Y	-1500 ... 9999	932	-1	°F	
743	Ventilators	<b>346 - dSdo</b>	<b>4423</b>	RW	Dyn. Offset Dyn. Set	WORD	Y	-1500 ... 9999	90	-1	°F	
744	Ventilators	<b>347 - dSLdo</b>	<b>4424</b>	RW	Min Dyn.Offs.Dyn.Set	WORD	Y	-1500 ... 9999	54	-1	°F	
745	Ventilators	<b>348 - dSMet</b>	<b>4425</b>	RW	MaxExtTemDynSet	WORD	Y	-1500 ... 9999	860	-1	°F	
746	Ventilators	<b>349 - LdSP</b>	<b>4426</b>	RW	Min. dynamic set	WORD	Y	-1500 ... 9999	860	-1	°F	
747	Ventilators	<b>350 - SCt1</b>	<b>4427</b>	RW	Minimum sub-cooling	WORD	Y	-1500 ... 9999	54	-1	°F	
748	Ventilators	<b>351 - SCt2</b>	<b>4428</b>	RW	Maximum sub-cooling	WORD	Y	-1500 ... 9999	108	-1	°F	
749	Ventilators	<b>352 - SCd1</b>	<b>4429</b>	RW	Sub-cooling delta1	WORD	Y	-1500 ... 9999	18	-1	°F	
750	Ventilators	<b>353 - SCoF1</b>	<b>4430</b>	RW	Sub-cooling offset1	WORD	Y	-1500 ... 9999	18	-1	°F	
751	Ventilators	<b>354 - SCd2</b>	<b>4431</b>	RW	Sub-cooling Delta2	WORD	Y	-1500 ... 9999	18	-1	°F	
752	Ventilators	<b>355 - SCoF2</b>	<b>4432</b>	RW	Sub-cooling Offset2	WORD	Y	-1500 ... 9999	18	-1	°F	
753	Ventilators	<b>356 - EtPr</b>	<b>4433</b>	RW	Safety ext temp	WORD	Y	-1500 ... 9999	0	-1	°F	
754	Ventilators	<b>331 - LSE</b>	<b>4434</b>	RW	Minimum setpoint	WORD	Y	-10 ... 1000	560	-1	bar	
755	Ventilators	<b>332 - HSE</b>	<b>4435</b>	RW	Maximum setpoint	WORD	Y	-10 ... 1000	197	-1	bar	
756	Ventilators	<b>333 - SEt</b>	<b>4436</b>	RW	Delivery setpoint	WORD	Y	<b>331 -LSE...332-HSE</b>	154	-1	bar	
757	Ventilators	<b>334 - Pbd</b>	<b>4437</b>	RW	Proportional band	WORD	Y	-10 ... 1000	32	-1	bar	
758	Ventilators	<b>335 - Cod1</b>	<b>4438</b>	RW	Delta 1cut-off	WORD	Y	-10 ... 1000	4	-1	bar	
759	Ventilators	<b>336 - Cod2</b>	<b>4439</b>	RW	Delta 2 cut-off	WORD	Y	-10 ... 1000	4	-1	bar	
760	Ventilators	<b>337 - dHAL</b>	<b>4440</b>	RW	HAL delta	WORD	Y	-10 ... 1000	8	-1	bar	
761	Ventilators	<b>338 - HAL</b>	<b>4441</b>	RW	High alarm	WORD	Y	-10 ... 1000	66	-1	bar	
762	Ventilators	<b>339 - dSFo</b>	<b>4442</b>	RW	Fixed offset dyn set	WORD	Y	-10 ... 1000	8	-1	bar	
763	Ventilators	<b>340 - HPP1</b>	<b>4443</b>	RW	HP prev. limit 1	WORD	Y	-10 ... 1000	62	-1	bar	
764	Ventilators	<b>341 - HPP2</b>	<b>4444</b>	RW	HP prev. limit 2	WORD	Y	-10 ... 1000	64	-1	bar	

<b>INDEX</b>	<b>FOLDER</b>	<b>LABEL</b>	<b>ADDRESS</b>	<b>R/W</b>	<b>DESCRIPTION</b>	<b>DATA SIZE</b>	<b>CPL</b>	<b>RANGE</b>	<b>DEFAULT</b>	<b>EXP</b>	<b>M.U.</b>	<b>Notes</b>
765	Ventilators	342 - HPPb	4445	RW	HP prev. alarm band	WORD	Y	-10 ... 1000	4	-1	bar	
766	Ventilators	343 - dLAL	4446	RW	LAL delta	WORD	Y	-10 ... 1000	8	-1	bar	
767	Ventilators	344 - LAL	4447	RW	Low alarm	WORD	Y	-10 ... 1000	66	-1	bar	
768	Ventilators	345 - InLPt	4448	RW	INV min power limit	WORD	Y	-10 ... 1000	150	-1	bar	
780	Ventilators	331 - LSE	4460	RW	Minimum setpoint	WORD	Y	-14 ... 1450	81	0	Psi	
781	Ventilators	332 - HSE	4461	RW	Maximum setpoint	WORD	Y	-14 ... 1450	285	0	Psi	
782	Ventilators	333 - SET	4462	RW	Delivery setpoint	WORD	Y	331 -LSE...332-HSE	223	0	Psi	
783	Ventilators	334 - Pbd	4463	RW	Proportional band	WORD	Y	-14 ... 1450	46	0	Psi	
784	Ventilators	335 - Cod1	4464	RW	Delta 1cut-off	WORD	Y	-14 ... 1450	5	0	Psi	
785	Ventilators	336 - Cod2	4465	RW	Delta 2 cut-off	WORD	Y	-14 ... 1450	5	0	Psi	
786	Ventilators	337 - dHAL	4466	RW	HAL delta	WORD	Y	-14 ... 1450	11	0	Psi	
787	Ventilators	338 - HAL	4467	RW	High alarm	WORD	Y	-14 ... 1450	95	0	Psi	
788	Ventilators	339 - dSFo	4468	RW	Fixed offset dyn set	WORD	Y	-14 ... 1450	11	0	Psi	
789	Ventilators	340 - HPP1	4469	RW	HP prev. limit 1	WORD	Y	-14 ... 1450	89	0	Psi	
790	Ventilators	341 - HPP2	4470	RW	HP prev. limit 2	WORD	Y	-14 ... 1450	92	0	Psi	
791	Ventilators	342 - HPPb	4471	RW	HP prev. alarm band	WORD	Y	-14 ... 1450	5	0	Psi	
792	Ventilators	343 - dLAL	4472	RW	LAL delta	WORD	Y	-14 ... 1450	11	0	Psi	
793	Ventilators	344 - LAL	4473	RW	Low alarm	WORD	Y	-14 ... 1450	95	0	Psi	
794	Ventilators	345 - InLPt	4474	RW	INV min power limit	WORD	Y	-14 ... 1450	217	0	Psi	

### 1.5.3 Client table

<b>INDEX</b>	<b>FOLDER</b>	<b>LABEL</b>	<b>ADDRESS</b>	<b>R/W</b>	<b>DESCRIPTION</b>	<b>DATA SIZE</b>	<b>CPL</b>	<b>RANGE</b>	<b>DEFAULT</b>	<b>EXP</b>	<b>M.U.</b>
1		SIG1	4709	R	Analogue input SIG1	WORD	Y	-32768 ... 32767	0	-2	bar
2		SIG1	4709	R	Analogue input SIG1	WORD	Y	-32768 ... 32767	0	-1	bar
3		SIG1	4709	R	Analogue input SIG1	WORD	Y	-32768 ... 32767	0	-1	°C
4		SIG1	4709	R	Analogue input SIG1	WORD	Y	0 ... 1	0		flag
5		SIG2	4710	R	Analogue input SIG2	WORD	Y	-32768 ... 32767	0	-2	bar
6		SIG2	4710	R	Analogue input SIG2	WORD	Y	-32768 ... 32767	0	-1	bar
7		SIG2	4710	R	Analogue input SIG2	WORD	Y	-32768 ... 32767	0	-1	°C
8		SIG2	4710	R	Analogue input SIG2	WORD	Y	0 ... 1	0		flag
9		SIG3	4711	R	Analogue input SIG3	WORD	Y	-32768 ... 32767	0	-1	bar
10		SIG3	4711	R	Analogue input SIG3	WORD	Y	-32768 ... 32767	0	-1	°C
11		SIG3	4711	R	Analogue input SIG3	WORD	Y	0 ... 1	0		flag
15		PB1	4713	R	Analogue input PB1	WORD	Y	-32768 ... 32767	0	-1	°C
16		PB1	4713	R	Analogue input PB1	WORD	Y	0 ... 1	0		flag
17		PB2	4714	R	Analogue input PB2	WORD	Y	-32768 ... 32767	0	-1	°C

<b>INDEX</b>	<b>FOLDER</b>	<b>LABEL</b>	<b>ADDRESS</b>	<b>R/W</b>	<b>DESCRIPTION</b>	<b>DATA SIZE</b>	<b>CPL</b>	<b>RANGE</b>	<b>DEFAULT</b>	<b>EXP</b>	<b>M.U.</b>
18		<b>PB2</b>	<b>4714</b>	R	Analogue input PB2	WORD	Y	0 ... 1	0		flag
19		<b>PB3</b>	<b>4715</b>	R	Analogue input PB3	WORD	Y	-32768 ... 32767	0	-1	°C
20		<b>PB3</b>	<b>4715</b>	R	Analogue input PB3	WORD	Y	0 ... 1	0		flag
21		<b>PB4</b>	<b>4716</b>	R	Analogue input PB4	WORD	Y	-32768 ... 32767	0	-1	°C
22		<b>PB4</b>	<b>4716</b>	R	Analogue input PB4	WORD	Y	0 ... 1	0		flag
23		<b>SIG1</b>	<b>4709</b>	R	Analogue input SIG1	WORD	Y	-32768 ... 32767	0	-1	Psi
24		<b>SIG1</b>	<b>4709</b>	R	Analogue input SIG1	WORD	Y	-32768 ... 32767	0	0	Psi
25		<b>SIG1</b>	<b>4709</b>	R	Analogue input SIG1	WORD	Y	-32768 ... 32767	0	-1	°F
26		<b>SIG1</b>	<b>4709</b>	R	Analogue input SIG1	WORD	Y	0 ... 1	0		flag
27		<b>SIG2</b>	<b>4710</b>	R	Analogue input SIG2	WORD	Y	-32768 ... 32767	0	-1	Psi
28		<b>SIG2</b>	<b>4710</b>	R	Analogue input SIG2	WORD	Y	-32768 ... 32767	0	0	Psi
29		<b>SIG2</b>	<b>4710</b>	R	Analogue input SIG2	WORD	Y	-32768 ... 32767	0	-1	°F
30		<b>SIG2</b>	<b>4710</b>	R	Analogue input SIG2	WORD	Y	0 ... 1	0		flag
31		<b>SIG3</b>	<b>4711</b>	R	Analogue input SIG3	WORD	Y	-32768 ... 32767	0	0	Psi
32		<b>SIG3</b>	<b>4711</b>	R	Analogue input SIG3	WORD	Y	-32768 ... 32767	0	-1	°F
33		<b>SIG3</b>	<b>4711</b>	R	Analogue input SIG3	WORD	Y	0 ... 1	0		flag
37		<b>PB1</b>	<b>4713</b>	R	Analogue input PB1	WORD	Y	-32768 ... 32767	0	-1	°F
38		<b>PB1</b>	<b>4713</b>	R	Analogue input PB1	WORD	Y	0 ... 1	0		flag
39		<b>PB2</b>	<b>4714</b>	R	Analogue input PB2	WORD	Y	-32768 ... 32767	0	-1	°F
40		<b>PB2</b>	<b>4714</b>	R	Analogue input PB2	WORD	Y	0 ... 1	0		flag
41		<b>PB3</b>	<b>4715</b>	R	Analogue input PB3	WORD	Y	-32768 ... 32767	0	-1	°F
42		<b>PB3</b>	<b>4715</b>	R	Analogue input PB3	WORD	Y	0 ... 1	0		flag
43		<b>PB4</b>	<b>4716</b>	R	Analogue input PB4	WORD	Y	-32768 ... 32767	0	-1	°F
44		<b>PB4</b>	<b>4716</b>	R	Analogue input PB4	WORD	Y	0 ... 1	0		flag
45		<b>DI(L/H)1</b>	<b>33792</b>	R	Digital input DI(L/H)1	1 bit		0 ... 1	0		flag
46		<b>DI(L/H)2</b>	<b>33792,1</b>	R	Digital input DI(L/H)2	1 bit		0 ... 1	0		flag
47		<b>DI(L/H)3</b>	<b>33792,2</b>	R	Digital input DI(L/H)3	1 bit		0 ... 1	0		flag
48		<b>DI(L/H)4</b>	<b>33792,3</b>	R	Digital input DI(L/H)4	1 bit		0 ... 1	0		flag
49		<b>DI(L/H)5</b>	<b>33792,4</b>	R	Digital input DI(L/H)5	1 bit		0 ... 1	0		flag
50		<b>DI(L/H)6</b>	<b>33792,5</b>	R	Digital input DI(L/H)6	1 bit		0 ... 1	0		flag
51		<b>DI(L/H)7</b>	<b>33792,6</b>	R	Digital input DI(L/H)7	1 bit		0 ... 1	0		flag
52		<b>DI(L/H)8</b>	<b>33792,7</b>	R	Digital input DI(L/H)8	1 bit		0 ... 1	0		flag
53		<b>DI(L/H)9</b>	<b>33792,8</b>	R	Digital input DI(L/H)9	1 bit		0 ... 1	0		flag
54		<b>DI(L/H)10</b>	<b>33792,9</b>	R	Digital input DI(L/H)10	1 bit		0 ... 1	0		flag

<i>INDEX</i>	<i>FOLDER</i>	<i>LABEL</i>	<i>ADDRESS</i>	<i>R/W</i>	<i>DESCRIPTION</i>	<i>DATA SIZE</i>	<i>CPL</i>	<i>RANGE</i>	<i>DEFAULT</i>	<i>EXP</i>	<i>M.U.</i>
55		DI(L/H)11	33792,10	R	Digital input DI(L/H)11	1 bit		0 ... 1	0		flag
56		DI(L/H)12	33792,11	R	Digital input DI(L/H)12	1 bit		0 ... 1	0		flag
57		DI(L/H)13	33792,12	R	Digital input DI(L/H)13	1 bit		0 ... 1	0		flag
58		DI(L/H)14	33792,13	R	Digital input DI(L/H)14	1 bit		0 ... 1	0		flag
59		DI(L/H)15	33792,14	R	Digital input DI(L/H)15	1 bit		0 ... 1	0		flag
60		DI(L/H)16	33792,15	R	Digital input DI(L/H)16	1 bit		0 ... 1	0		flag
61		DI(L/H)17	33793	R	Digital input DI(L/H)17	1 bit		0 ... 1	0		flag
62		DI(L/H)18	33793,1	R	Digital input DI(L/H)18	1 bit		0 ... 1	0		flag
63		DI(L/H)19	33793,2	R	Digital input DI(L/H)19	1 bit		0 ... 1	0		flag
64		DI(L/H)20	33793,3	R	Digital input DI(L/H)20	1 bit		0 ... 1	0		flag
65		V1/I1	35072	R	Analogue output 1	BYTE		0 ... 100	0		%
66		V2/I2	35072,8	R	Analogue output 2	BYTE		0 ... 100	0		%
67		V3/I3	35073	R	Analogue output 3	BYTE		0 ... 100	0		%
68		OUT1	34816	R	Digital output 1	1 bit		0 ... 1	0		flag
69		OUT2	34816,1	R	Digital output 2	1 bit		0 ... 1	0		flag
70		OUT3	34816,2	R	Digital output 3	1 bit		0 ... 1	0		flag
71		OUT4	34816,3	R	Digital output 4	1 bit		0 ... 1	0		flag
72		OUT5	34816,4	R	Digital output 5	1 bit		0 ... 1	0		flag
73		OUT6	34816,5	R	Digital output 6	1 bit		0 ... 1	0		flag
74		OUT7	34816,6	R	Digital output 7	1 bit		0 ... 1	0		flag
75		OUT8	34816,7	R	Digital output 8	1 bit		0 ... 1	0		flag
76		OUT9	34816,8	R	Digital output 9	1 bit		0 ... 1	0		flag
77		OUT10	34816,9	R	Digital output 10	1 bit		0 ... 1	0		flag
78		OUT11	34816,10	R	Digital output 11	1 bit		0 ... 1	0		flag
79		OUT12	34816,11	R	Digital output 12	1 bit		0 ... 1	0		flag
80		OUT13	34816,12	R	Digital output 13	1 bit		0 ... 1	0		flag
81		OUT14	34816,13	R	Digital output 14	1 bit		0 ... 1	0		flag

<b>INDEX</b>	<b>FOLDER</b>	<b>LABEL</b>	<b>ADDRESS</b>	<b>R/W</b>	<b>DESCRIPTION</b>	<b>DATA SIZE</b>	<b>CPL</b>	<b>RANGE</b>	<b>DEFAULT</b>	<b>EXP</b>	<b>M.U.</b>
82		OUT15	34816,14	R	Digital output 15	1 bit		0 ... 1	0		flag
83		OUT16	34816,15	R	Digital output 16	1 bit		0 ... 1	0		flag
84		OUT17	34817	R	Digital output 17	1 bit		0 ... 1	0		flag
85		OUT18	34817,1	R	Digital output 18	1 bit		0 ... 1	0		flag
86		OUT19	34817,2	R	Digital output 19	1 bit		0 ... 1	0		flag
109		MB_ABICONFIGCMD	305	R	Enable open configuration mode confirmed	WORD		0 ... 1	0		flag
110		MB_RQCONFIGCMD	306	R	Request open configuration mode	WORD		0 ... 1	0		flag
128		MB_PARMODIFIED_MBADDRESS	420	R	Last parameter modified Modbus <i>address</i>	WORD		0 ... 65535	0		num
129		MB_LOCK_PARMODIFIED_MBADDRESS	421	R	Stop automatic update of associated parameters	WORD		0 ... 1	0		flag
130		MB_REALTIMEDATA_SECOND	422	R	Seconds	WORD		0 ... 59	0		sec
131		MB_REALTIMEDATA_MINUTES	423	R	minutes	WORD		0 ... 59	0		min
132		MB_REALTIMEDATA_HOUR	424	R	hours	WORD		0 ... 23	0		ore
133		MB_REALTIMEDATA_DAYWEEK	425	R	Day of week	WORD		0 ... 6	0		giorno
134		MB_REALTIMEDATA_DAYMONTH	426	R	Day of month	WORD		1 ... 31	0		num
135		MB_REALTIMEDATA_MONTH	427	R	Month	WORD		1 ... 12	0		mese
136		MB_REALTIMEDATA_YEAR	428	R	Year	WORD		0 ... 99	0		anno
149		MB_TREG_DISPLAY_CONTROL	441	R	Unit of measure for suction read-out	WORD		0 ... 3	0		num
150		MB_FANS_DISPLAY_CONTROL	442	R	Unit of measure for delivery read-out	WORD		0 ... 3	0		num
151		MB_PROG_STATUS	443	R	Active programming mode	WORD		0 ... 1	0		flag
152		MB_KEYLOCK_STATUS	444	R	Lock keypad	WORD		0 ... 13	0		num
153		MB_USER_INFO	445	R	Application details	WORD		0 ... 65535	0		num

<i>INDEX</i>	<i>FOLDER</i>	<i>LABEL</i>	<i>ADDRESS</i>	<i>R/W</i>	<i>DESCRIPTION</i>	<i>DATA SIZE</i>	<i>CPL</i>	<i>RANGE</i>	<i>DEFAULT</i>	<i>EXP</i>	<i>M.U.</i>
154		<b>UARTOpReq</b>	<b>1920</b>	R	Request download alarm history or historic data via serial	WORD		0 ... 3	0		num
179		<b>FncEconomySuction1</b>	<b>4631</b>	R	Economy, suction section	WORD		0 ... 1	0		flag
180		<b>FncEconomySuction2</b>	<b>4632</b>	R	Economy function, suction section 2 active	WORD		0 ... 1	0		flag
181		<b>FncEconomyDischarge</b>	<b>4633</b>	R	Economy, delivery section	WORD		0 ... 1	0		flag
182		<b>FncAUX1</b>	<b>4634</b>	R	AUX output 1 active	WORD		0 ... 1	0		flag
183		<b>FncAUX2</b>	<b>4635</b>	R	AUX output 2 active	WORD		0 ... 1	0		flag
184		<b>FncAUX3</b>	<b>4636</b>	R	AUX output 3 active	WORD		0 ... 1	0		flag
185		<b>FncAUX4</b>	<b>4637</b>	R	AUX output 4 active	WORD		0 ... 1	0		flag
186		<b>FncEnergySaving</b>	<b>4638</b>	R	Energy saving function	WORD		0 ... 1	0		flag
187		<b>FncMute</b>	<b>4639</b>	R	Alarm acknowledgment	WORD		0 ... 1	0		flag
188		<b>FncHeatRecovery</b>	<b>4640</b>	R	Heat recovery	WORD		0 ... 1	0		flag
189		<b>FncLiquidReturnOfControl1</b>	<b>4641</b>	R	Liquid return control, suction section	WORD		0 ... 1	0		flag
190		<b>FncLiquidReturnOfControl2</b>	<b>4642</b>	R	Liquid return control function flag, suction section 2	WORD		0 ... 1	0		flag
191		<b>FncHotGasDefrost1</b>	<b>4643</b>	R	Liquid return control, suction section	WORD		0 ... 1	0		flag



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192		<b>FncHotGasDefrost2</b>	<b>4644</b>	R	Liquid return control function flag, suction section 2	WORD		0 ... 1	0		flag
193		<b>KompPower1</b>	<b>4645</b>	R	Power generated by compressor 1	WORD		0 ... 100	0		num
194		<b>KompPower2</b>	<b>4646</b>	R	Power generated by compressor 2	WORD		0 ... 100	0		num
195		<b>KompPower3</b>	<b>4647</b>	R	Power generated by compressor 3	WORD		0 ... 100	0		num
196		<b>KompPower4</b>	<b>4648</b>	R	Power generated by compressor 4	WORD		0 ... 100	0		num
197		<b>KompPower5</b>	<b>4649</b>	R	Power generated by compressor 5	WORD		0 ... 100	0		num
198		<b>KompPower6</b>	<b>4650</b>	R	Power generated by compressor 6	WORD		0 ... 100	0		num
199		<b>KompPower7</b>	<b>4651</b>	R	Power generated by compressor 7	WORD		0 ... 100	0		num
200		<b>KompPower8</b>	<b>4652</b>	R	Power generated by compressor 8	WORD		0 ... 100	0		num
201		<b>KompPower9</b>	<b>4653</b>	R	Power generated by compressor 9	WORD		0 ... 100	0		num
202		<b>KompPower10</b>	<b>4654</b>	R	Power generated by compressor 10	WORD		0 ... 100	0		num
203		<b>KompPower11</b>	<b>4655</b>	R	Power generated by compressor 11	WORD		0 ... 100	0		num
204		<b>KompPower12</b>	<b>4656</b>	R	Power generated by compressor 12	WORD		0 ... 100	0		num
205		<b>KompPowerInv1</b>	<b>4657</b>	R	Power generated by compressor piloted by inverter, suction section	WORD		0 ... 100	0		num
206		<b>KompPowerInv2</b>	<b>4658</b>	R	Power of compressor piloted by the inverter, suction section 2	WORD		0 ... 100	0		num
207		<b>KompStatus1</b>	<b>4659</b>	R	Compressor 1	WORD		0 ... 32767	0		flag

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208		<b>KompStatus2</b>	<b>4660</b>	R	Compressor 2	WORD		0 ... 32767	0		flag
209		<b>KompStatus3</b>	<b>4661</b>	R	Compressor 3	WORD		0 ... 32767	0		flag
210		<b>KompStatus4</b>	<b>4662</b>	R	Compressor 4	WORD		0 ... 32767	0		flag
211		<b>KompStatus5</b>	<b>4663</b>	R	Compressor 5	WORD		0 ... 32767	0		flag
212		<b>KompStatus6</b>	<b>4664</b>	R	Compressor 6	WORD		0 ... 32767	0		flag
213		<b>KompStatus7</b>	<b>4665</b>	R	Compressor 7	WORD		0 ... 32767	0		flag
214		<b>KompStatus8</b>	<b>4666</b>	R	Compressor 8	WORD		0 ... 32767	0		flag
215		<b>KompStatus9</b>	<b>4667</b>	R	Compressor 9	WORD		0 ... 32767	0		flag
216		<b>KompStatus10</b>	<b>4668</b>	R	Compressor 10	WORD		0 ... 32767	0		flag
217		<b>KompStatus11</b>	<b>4669</b>	R	Compressor 11	WORD		0 ... 32767	0		flag
218		<b>KompStatus12</b>	<b>4670</b>	R	Compressor 12	WORD		0 ... 32767	0		flag
219		<b>KompStatusInv1</b>	<b>4671</b>	R	Compressor piloted by inverter, suction section	WORD		0 ... 32767	0		flag
220		<b>KompStatusInv2</b>	<b>4672</b>	R	State of compressor piloted by inverter, suction section 2	WORD		0 ... 32767	0		flag
221		<b>KompActiveNoCircuit1</b>	<b>4673</b>	R	Number of compressors on, suction section	WORD		0 ... 12	0		num
222		<b>KompStepNoCircuit1</b>	<b>4674</b>	R	Number of steps on, suction section	WORD		0 ... 72	0		num
223		<b>KompActiveNoCircuit2</b>	<b>4675</b>	R	Number of compressors on, suction section 2	WORD		0 ... 12	0		num
224		<b>KompStepNoCircuit2</b>	<b>4676</b>	R	Number of steps on, suction section 2	WORD		0 ... 72	0		num
225		<b>FanPowerInv</b>	<b>4677</b>	R	Power generated by fans piloted by inverter, delivery section	WORD		0 ... 100	0		num
226		<b>FanStatus1</b>	<b>4678,2</b>	R	Fan state 1	1 bit		0 ... 1	0		flag
227		<b>FanStatus2</b>	<b>4679,2</b>	R	Fan state 2	1 bit		0 ... 1	0		flag

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228		<b>FanStatus3</b>	<b>4680,2</b>	R	Fan state 3	1 bit		0 ... 1	0		flag
229		<b>FanStatus4</b>	<b>4681,2</b>	R	Fan state 4	1 bit		0 ... 1	0		flag
230		<b>FanStatus5</b>	<b>4682,2</b>	R	Fan state 5	1 bit		0 ... 1	0		flag
231		<b>FanStatus6</b>	<b>4683,2</b>	R	Fan state 6	1 bit		0 ... 1	0		flag
232		<b>FanStatus7</b>	<b>4684,2</b>	R	Fan state 7	1 bit		0 ... 1	0		flag
233		<b>FanStatus8</b>	<b>4685,2</b>	R	Fan state 8	1 bit		0 ... 1	0		flag
234		<b>FanStatusInv</b>	<b>4686</b>	R	Fan piloted by inverter, delivery section	WORD		0 ... 32767	0		flag
235		<b>FanActiveNo</b>	<b>4687</b>	R	Number of fans on, delivery section	WORD		0 ... 8	0		num
236		<b>SuctionProbeCircuit1</b>	<b>4688</b>	R	Suction probe	WORD	Y	-32768 ... 32767	0	-2	bar
237		<b>SuctionProbeCircuit1</b>	<b>4688</b>	R	Suction probe	WORD	Y	-32768 ... 32767	0	-1	Psi/°C/°F
238		<b>SuctionProbeCircuit2</b>	<b>4689</b>	R	Suction probe in section 2	WORD	Y	-32768 ... 32767	0	-2	bar
239		<b>SuctionProbeCircuit2</b>	<b>4689</b>	R	Suction probe in section 2	WORD	Y	-32768 ... 32767	0	-1	Psi/°C/°F
240		<b>DischargeProbe</b>	<b>4690</b>	R	Delivery probe	WORD	Y	-32768 ... 32767	0	-1	bar/°C/°F
241		<b>DischargeProbe</b>	<b>4690</b>	R	Delivery probe	WORD	Y	-32768 ... 32767	0		Psi
242		<b>SetPointSuctionCircuit1</b>	<b>4691</b>	R	Regulation setpoint, suction section	WORD	Y	-32768 ... 32767	0	-2	bar
243		<b>SetPointSuctionCircuit1</b>	<b>4691</b>	R	Regulation setpoint, suction section	WORD	Y	-32768 ... 32767	0	-1	Psi/°C/°F

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244		<b>SetPointSuctionCircuit2</b>	<b>4692</b>	R	Suction section setpoint 2	WORD	Y	-32768 ... 32767	0	-2	bar
245		<b>SetPointSuctionCircuit2</b>	<b>4692</b>	R	Suction section setpoint 2	WORD	Y	-32768 ... 32767	0	-1	Psi/°C/°F
246		<b>SetPointDischarge</b>	<b>4693</b>	R	Regulation setpoint, delivery section	WORD	Y	-32768 ... 32767	0	-1	bar/°C/°F
247		<b>SetPointDischarge</b>	<b>4693</b>	R	Regulation setpoint, delivery section	WORD	Y	-32768 ... 32767	0		Psi
254		<b>133 - SEt</b>	<b>4864</b>	R	Setpoint, suction section	WORD	Y	-1500 ... 9999	0	-2	bar
255		<b>133 - SEt</b>	<b>4864</b>	R	Setpoint, suction section	WORD	Y	-1500 ... 9999	0	-1	Psi/°C/°F
256		<b>134 - Pbd</b>	<b>4865</b>	R	Proportional band, suction section	WORD	Y	-1500 ... 9999	0	-2	bar
257		<b>134 - Pbd</b>	<b>4865</b>	R	Proportional band, suction section	WORD	Y	-1500 ... 9999	0	-1	Psi/°C/°F
258		<b>135 - PbdE</b>	<b>4866</b>	R	Proportional band 1, suction section	WORD	Y	-1500 ... 9999	0	-2	bar
259		<b>135 - PbdE</b>	<b>4866</b>	R	Proportional band 1, suction section	WORD	Y	-1500 ... 9999	0	-1	Psi/°C/°F
260		<b>136 - dSPo1</b>	<b>4867</b>	R	Economy maximum offset 1, suction section	WORD	Y	-1500 ... 9999	0	-2	bar
261		<b>136 - dSPo1</b>	<b>4867</b>	R	Economy maximum offset 1, suction section	WORD	Y	-1500 ... 9999	0	-1	Psi/°C/°F

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262		<b>137 - dSPo2</b>	<b>4868</b>	R	Economy maximum offset 2, suction section	WORD	Y	-1500 ... 9999	0	-2	bar
263		<b>137 - dSPo2</b>	<b>4868</b>	R	Economy maximum offset 2, suction section	WORD	Y	-1500 ... 9999	0	-1	Psi/°C/°F
264		<b>138 - dLAL</b>	<b>4869</b>	R	Minimum alarm delta, suction section	WORD	Y	-1500 ... 9999	0	-2	bar
265		<b>138 - dLAL</b>	<b>4869</b>	R	Minimum alarm delta, suction section	WORD	Y	-1500 ... 9999	0	-1	Psi/°C/°F
266		<b>139 - LAL</b>	<b>4870</b>	R	Minimum alarm threshold, suction section	WORD	Y	-1500 ... 9999	0	-2	bar
267		<b>139 - LAL</b>	<b>4870</b>	R	Minimum alarm threshold, suction section	WORD	Y	-1500 ... 9999	0	-1	Psi/°C/°F
268		<b>140 - dHAL</b>	<b>4871</b>	R	Maximum alarm delta, suction section	WORD	Y	-1500 ... 9999	0	-2	bar
269		<b>140 - dHAL</b>	<b>4871</b>	R	Maximum alarm delta, suction section	WORD	Y	-1500 ... 9999	0	-1	Psi/°C/°F
270		<b>141 - HAL</b>	<b>4872</b>	R	Maximum alarm threshold, suction section	WORD	Y	-1500 ... 9999	0	-2	bar
271		<b>141 - HAL</b>	<b>4872</b>	R	Maximum alarm threshold, suction section	WORD	Y	-1500 ... 9999	0	-1	Psi/°C/°F

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272		142 - Cod1	4873	R	Proportional band continuous regulator hysteresis, suction section	WORD	Y	-1500 ... 9999	0	-2	bar
273		142 - Cod1	4873	R	Proportional band continuous regulator hysteresis, suction section	WORD	Y	-1500 ... 9999	0	-1	Psi/°C/°F
274		143 - Cod2	4874	R	Proportional band continuous regulator delta, suction section	WORD	Y	-1500 ... 9999	0	-2	bar
275		143 - Cod2	4874	R	Proportional band continuous regulator delta, suction section	WORD	Y	-1500 ... 9999	0	-1	Psi/°C/°F
276		144 - InLPt	4875	R	Switch-off inverter threshold, suction section	WORD	Y	-1500 ... 9999	0	-2	bar
277		144 - InLPt	4875	R	Switch-off inverter threshold, suction section	WORD	Y	-1500 ... 9999	0	-1	Psi/°C/°F

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278		<b>145 - AtdS</b>	<b>4876</b>	R	External temperature setpoint dynamic setpoint, suction section	WORD	Y	-1500 ... 9999	0	-1	°C/°F
279		<b>146 - dAtdS</b>	<b>4877</b>	R	External temperature delta dynamic regulation setpoint, suction section	WORD	Y	-1500 ... 9999	0	-1	°C/°F
280		<b>233 - SEt</b>	<b>4896</b>	R	Suction section setpoint 2	WORD	Y	-1500 ... 9999	0	-2	bar
281		<b>233 - SEt</b>	<b>4896</b>	R	Suction section setpoint 2	WORD	Y	-1500 ... 9999	0	-1	Psi/°C/°F
282		<b>234 - Pbd</b>	<b>4897</b>	R	Proportional band in the suction section 2	WORD	Y	-1500 ... 9999	0	-2	bar
283		<b>234 - Pbd</b>	<b>4897</b>	R	Proportional band in the suction section 2	WORD	Y	-1500 ... 9999	0	-1	Psi/°C/°F
284		<b>235 - PbdE</b>	<b>4898</b>	R	Proportional band 1 in the suction section 2	WORD	Y	-1500 ... 9999	0	-2	bar
285		<b>235 - PbdE</b>	<b>4898</b>	R	Proportional band 1 in the suction section 2	WORD	Y	-1500 ... 9999	0	-1	Psi/°C/°F
286		<b>236 - dSPo1</b>	<b>4899</b>	R	Economy function maximum offset 1 in suction section 2	WORD	Y	-1500 ... 9999	0	-2	bar

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287		<b>236 - dSPo1</b>	<b>4899</b>	R	Economy function maximum offset 1 in suction section 2	WORD	Y	-1500 ... 9999	0	-1	Psi/°C/°F
288		<b>237 - dSPo2</b>	<b>4900</b>	R	Economy function maximum offset 2 in suction section 2	WORD	Y	-1500 ... 9999	0	-2	bar
289		<b>237 - dSPo2</b>	<b>4900</b>	R	Economy function maximum offset 2 in suction section 2	WORD	Y	-1500 ... 9999	0	-1	Psi/°C/°F
290		<b>238 - dLAL</b>	<b>4901</b>	R	Low alarm delta, suction section 2	WORD	Y	-1500 ... 9999	0	-2	bar
291		<b>238 - dLAL</b>	<b>4901</b>	R	Low alarm delta, suction section 2	WORD	Y	-1500 ... 9999	0	-1	Psi/°C/°F
292		<b>239 - LAL</b>	<b>4902</b>	R	Low alarm threshold, suction section 2	WORD	Y	-1500 ... 9999	0	-2	bar
293		<b>239 - LAL</b>	<b>4902</b>	R	Low alarm threshold, suction section 2	WORD	Y	-1500 ... 9999	0	-1	Psi/°C/°F
294		<b>240 - dHAL</b>	<b>4903</b>	R	High alarm delta, suction section 2	WORD	Y	-1500 ... 9999	0	-2	bar
295		<b>240 - dHAL</b>	<b>4903</b>	R	High alarm delta, suction section 2	WORD	Y	-1500 ... 9999	0	-1	Psi/°C/°F



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296		<b>241 - HAL</b>	<b>4904</b>	R	High alarm threshold, suction section 2	WORD	Y	-1500 ... 9999	0	-2	bar
297		<b>241 - HAL</b>	<b>4904</b>	R	High alarm threshold, suction section 2	WORD	Y	-1500 ... 9999	0	-1	Psi/°C/°F
298		<b>242 - Cod1</b>	<b>4905</b>	R	Proportional band continuous regulator hysteresis, suction section 2	WORD	Y	-1500 ... 9999	0	-2	bar
299		<b>242 - Cod1</b>	<b>4905</b>	R	Proportional band continuous regulator hysteresis, suction section 2	WORD	Y	-1500 ... 9999	0	-1	Psi/°C/°F
300		<b>243 - Cod2</b>	<b>4906</b>	R	Proportional band continuous regulator delta, suction section 2	WORD	Y	-1500 ... 9999	0	-2	bar
301		<b>243 - Cod2</b>	<b>4906</b>	R	Proportional band continuous regulator delta, suction section 2	WORD	Y	-1500 ... 9999	0	-1	Psi/°C/°F

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302		<b>244 - InLPt</b>	<b>4907</b>	R	Suction probe reading below which the inverter is switched off even if forced on at minimum, suction section 2	WORD	Y	-1500 ... 9999	0	-2	bar
303		<b>244 - InLPt</b>	<b>4907</b>	R	Suction probe reading below which the inverter is switched off even if forced on at minimum, suction section 2	WORD	Y	-1500 ... 9999	0	-1	Psi/°C/°F
304		<b>245 - AtdS</b>	<b>4908</b>	R	External temperature setpoint for dynamic setpoint, suction section 2	WORD	Y	-1500 ... 9999	0	-1	°C/°F
305		<b>246 - dAtdS</b>	<b>4909</b>	R	External temperature delta dynamic setpoint, suction section 2	WORD	Y	-1500 ... 9999	0	-1	°C/°F
306		<b>333 - SEt</b>	<b>4928</b>	R	Setpoint, delivery section	WORD	Y	-1500 ... 9999	0	-1	bar/°C/°F
307		<b>333 - SEt</b>	<b>4928</b>	R	Setpoint, delivery section	WORD	Y	-1500 ... 9999	0		Psi
308		<b>334 - Pbd</b>	<b>4929</b>	R	Proportional band, delivery section	WORD	Y	-1500 ... 9999	0	-1	bar/°C/°F
309		<b>334 - Pbd</b>	<b>4929</b>	R	Proportional band, delivery section	WORD	Y	-1500 ... 9999	0		Psi

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310		<b>335 - Cod1</b>	<b>4930</b>	R	Proportional band continuous regulator hysteresis, delivery section	WORD	Y	-1500 ... 9999	0	-1	bar/°C/°F
311		<b>335 - Cod1</b>	<b>4930</b>	R	Proportional band continuous regulator hysteresis, delivery section	WORD	Y	-1500 ... 9999	0		Psi
312		<b>336 - Cod2</b>	<b>4931</b>	R	Proportional band continuous regulator delta, delivery section	WORD	Y	-1500 ... 9999	0	-1	bar/°C/°F
313		<b>336 - Cod2</b>	<b>4931</b>	R	Proportional band continuous regulator delta, delivery section	WORD	Y	-1500 ... 9999	0		Psi
314		<b>337 - dHAL</b>	<b>4932</b>	R	High alarm delta, delivery section	WORD	Y	-1500 ... 9999	0	-1	bar/°C/°F
315		<b>337 - dHAL</b>	<b>4932</b>	R	High alarm delta, delivery section	WORD	Y	-1500 ... 9999	0		Psi
316		<b>338 - HAL</b>	<b>4933</b>	R	High alarm threshold, delivery section	WORD	Y	-1500 ... 9999	0	-1	bar/°C/°F
317		<b>338 - HAL</b>	<b>4933</b>	R	High alarm threshold, delivery section	WORD	Y	-1500 ... 9999	0		Psi
318		<b>339 - dSFo</b>	<b>4934</b>	R	Condensation dynamic setpoint offset	WORD	Y	-1500 ... 9999	0	-1	bar/°C/°F

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319		<b>339 - dSFo</b>	<b>4934</b>	R	Condensation dynamic setpoint offset	WORD	Y	-1500 ... 9999	0		Psi
320		<b>340 - HPP1</b>	<b>4935</b>	R	High alarm prevention warning 1 threshold, delivery section	WORD	Y	-1500 ... 9999	0	-1	bar/°C/°F
321		<b>340 - HPP1</b>	<b>4935</b>	R	High alarm prevention warning 1 threshold, delivery section	WORD	Y	-1500 ... 9999	0		Psi
322		<b>341 - HPP2</b>	<b>4936</b>	R	High alarm prevention warning 2 threshold, delivery section	WORD	Y	-1500 ... 9999	0	-1	bar/°C/°F
323		<b>341 - HPP2</b>	<b>4936</b>	R	High alarm prevention warning 2 threshold, delivery section	WORD	Y	-1500 ... 9999	0		Psi
324		<b>342 - HPPb</b>	<b>4937</b>	R	High alarm prevention proportional band, delivery section	WORD	Y	-1500 ... 9999	0	-1	bar/°C/°F
325		<b>342 - HPPb</b>	<b>4937</b>	R	High alarm prevention proportional band, delivery section	WORD	Y	-1500 ... 9999	0		Psi
326		<b>343 - dLAL</b>	<b>4938</b>	R	Minimum alarm delta, delivery section	WORD	Y	-1500 ... 9999	0	-1	bar/°C/°F
327		<b>343 - dLAL</b>	<b>4938</b>	R	Minimum alarm delta, delivery section	WORD	Y	-1500 ... 9999	0		Psi
328		<b>344 - LAL</b>	<b>4939</b>	R	Minimum alarm threshold, delivery section	WORD	Y	-1500 ... 9999	0	-1	bar/°C/°F

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329		<b>344 - LAL</b>	<b>4939</b>	R	Minimum alarm threshold, delivery section	WORD	Y	-1500 ... 9999	0		Psi
330		<b>345 - InLPt</b>	<b>4940</b>	R	Switch-off inverter threshold, delivery section	WORD	Y	-1500 ... 9999	0	-1	bar/°C/°F
331		<b>345 - InLPt</b>	<b>4940</b>	R	Switch-off inverter threshold, delivery section	WORD	Y	-1500 ... 9999	0		Psi
332		<b>346 - dSdo</b>	<b>4941</b>	R	Dynamic offset dynamic condensation setpoint	WORD	Y	-1500 ... 9999	0	-1	°C/°F
333		<b>347 - dSLdo</b>	<b>4942</b>	R	Minimum dynamic offset dynamic condensation setpoint	WORD	Y	-1500 ... 9999	0	-1	°C/°F
334		<b>348 - dSMEt</b>	<b>4943</b>	R	Maximum external temperature to enable dynamic floating condensation setpoint (regulation)	WORD	Y	-1500 ... 9999	0	-1	°C/°F
335		<b>349 - LdSP</b>	<b>4944</b>	R	Minimum dynamic setpoint for floating condensation, delivery section	WORD	Y	-1500 ... 9999	0	-1	°C/°F
336		<b>350 - SCt1</b>	<b>4945</b>	R	Sub-cooling setpoint 1 for dynamic condensation setpoint, delivery section	WORD	Y	-1500 ... 9999	0	-1	°C/°F

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337		<b>351 - SCt2</b>	<b>4946</b>	R	Sub-cooling setpoint 2 for dynamic condensation setpoint, delivery section	WORD	Y	-1500 ... 9999	0	-1	°C/°F
338		<b>352 - SCd1</b>	<b>4947</b>	R	Delta lower than sub-cooling setpoint for dynamic condensation setpoint in delivery	WORD	Y	-1500 ... 9999	0	-1	°C/°F
339		<b>353 - SCoF1</b>	<b>4948</b>	R	Correction below dynamic condensation setpoint for sub-cooling in delivery	WORD	Y	-1500 ... 9999	0	-1	°C/°F
340		<b>354 - SCd2</b>	<b>4949</b>	R	Delta greater than sub-cooling setpoint for dynamic condensation setpoint in delivery (regulation)	WORD	Y	-1500 ... 9999	0	-1	°C/°F
341		<b>355 - SCoF2</b>	<b>4950</b>	R	Correction above dynamic condensation setpoint for sub-cooling in delivery (regulation)	WORD	Y	-1500 ... 9999	0	-1	°C/°F
342		<b>356 - EtPr</b>	<b>4951</b>	R	Minimum delta between sub-temperature probe and external ambient temperature to enable dynamic setpoint in delivery	WORD	Y	-1500 ... 9999	0	-1	°C/°F
343		<b>557 - Hrto</b>	<b>4952</b>	R	Upper threshold to activate heat recovery	WORD	Y	-1500 ... 9999	0	-1	°C/°F

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344		<b>558 - Hrdt</b>	<b>4953</b>	R	Temperature hysteresis to disable heat recovery	WORD	Y	-1500 ... 9999	0	-1	°C/°F
345		<b>CMD_RESET_STORICO_ALLARMI</b>	<b>319</b>	R	Reset alarm history	WORD		0 ... 1	0		flag
347		<b>CMD_RESET_ALLARMI</b>	<b>321</b>	R	Alarm manual reset	WORD		0 ... 1	0		flag
348		<b>CMD_FNCECONOMYSUCTION1_TOGGLE</b>	<b>322</b>	R	Enable/disable economy, suction section	WORD		0 ... 1	0		flag
349		<b>CMD_FNCECONOMYSUCTION2_TOGGLE</b>	<b>323</b>	R	Enable/disable economy, suction section2	WORD		0 ... 1	0		flag
350		<b>CMD_FNCECONOMYDISCHARGE_TOGGLE</b>	<b>324</b>	R	Enable/disable economy, delivery section	WORD		0 ... 1	0		flag
351		<b>CMD_FNCAUX1_TOGGLE</b>	<b>325</b>	R	On/Off Auxiliary 1	WORD		0 ... 1	0		flag
352		<b>CMD_FNCAUX2_TOGGLE</b>	<b>326</b>	R	On/Off Auxiliary 2	WORD		0 ... 1	0		flag
353		<b>CMD_FNCAUX3_TOGGLE</b>	<b>327</b>	R	On/Off Auxiliary 3	WORD		0 ... 1	0		flag
354		<b>CMD_FNCAUX4_TOGGLE</b>	<b>328</b>	R	On/Off Auxiliary 4	WORD		0 ... 1	0		flag
355		<b>CMD_FNCENERGYSAVING_TOGGLE</b>	<b>329</b>	R	Enable/disable energy saving	WORD		0 ... 1	0		flag
356		<b>CMD_FNCMUTE_ON</b>	<b>330</b>	R	Alarm silencing	WORD		0 ... 1	0		flag
357		<b>CMD_RESET_ORE_COMPRESSORE_1</b>	<b>331</b>	R	Reset compressor running time 1	WORD		0 ... 1	0		flag
358		<b>CMD_RESET_ORE_COMPRESSORE_2</b>	<b>332</b>	R	Reset compressor running time 2	WORD		0 ... 1	0		flag
359		<b>CMD_RESET_ORE_COMPRESSORE_3</b>	<b>333</b>	R	Reset compressor running time 3	WORD		0 ... 1	0		flag
360		<b>CMD_RESET_ORE_COMPRESSORE_4</b>	<b>334</b>	R	Reset compressor running time 4	WORD		0 ... 1	0		flag

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361		<b>CMD_RESET_ORE_COMPRESSORE_5</b>	<b>335</b>	R	Reset compressor running time 5	WORD		0 ... 1	0		flag
362		<b>CMD_RESET_ORE_COMPRESSORE_6</b>	<b>336</b>	R	Reset compressor running time 6	WORD		0 ... 1	0		flag
363		<b>CMD_RESET_ORE_COMPRESSORE_7</b>	<b>337</b>	R	Reset compressor running time 7	WORD		0 ... 1	0		flag
364		<b>CMD_RESET_ORE_COMPRESSORE_8</b>	<b>338</b>	R	Reset compressor running time 8	WORD		0 ... 1	0		flag
365		<b>CMD_RESET_ORE_COMPRESSORE_9</b>	<b>339</b>	R	Reset compressor running time 9	WORD		0 ... 1	0		flag
366		<b>CMD_RESET_ORE_COMPRESSORE_10</b>	<b>340</b>	R	Reset compressor running time 10	WORD		0 ... 1	0		flag
367		<b>CMD_RESET_ORE_COMPRESSORE_11</b>	<b>341</b>	R	Reset compressor running time 11	WORD		0 ... 1	0		flag
368		<b>CMD_RESET_ORE_COMPRESSORE_12</b>	<b>342</b>	R	Reset compressor running time 12	WORD		0 ... 1	0		flag
369		<b>CMD_RESET_ORE_COMPRESSORE_INV_1</b>	<b>343</b>	R	Reset running time of compressor piloted by the inverter, suction section	WORD		0 ... 1	0		flag
370		<b>CMD_RESET_ORE_COMPRESSORE_INV_2</b>	<b>344</b>	R	Reset running time of compressor piloted by inverter, suction section 2	WORD		0 ... 1	0		flag
371		<b>CMD_RESET_ORE_VENTOLA_1</b>	<b>345</b>	R	Reset fan running hours 1	WORD		0 ... 1	0		flag
372		<b>CMD_RESET_ORE_VENTOLA_2</b>	<b>346</b>	R	Reset fan running hours 2	WORD		0 ... 1	0		flag
373		<b>CMD_RESET_ORE_VENTOLA_3</b>	<b>347</b>	R	Reset fan running hours 3	WORD		0 ... 1	0		flag
374		<b>CMD_RESET_ORE_VENTOLA_4</b>	<b>348</b>	R	Reset fan running hours 4	WORD		0 ... 1	0		flag
375		<b>CMD_RESET_ORE_VENTOLA_5</b>	<b>349</b>	R	Reset fan running hours 5	WORD		0 ... 1	0		flag
376		<b>CMD_RESET_ORE_VENTOLA_6</b>	<b>350</b>	R	Reset fan running hours 6	WORD		0 ... 1	0		flag



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377		<b>CMD_RESET_ORE_VENTOLA_7</b>	<b>351</b>	R	Reset fan running hours 7	WORD		0 ... 1	0		flag
378		<b>CMD_RESET_ORE_VENTOLA_8</b>	<b>352</b>	R	Reset fan running hours 8	WORD		0 ... 1	0		flag
379		<b>CMD_RESET_ORE_VENTILATORE_INV</b>	<b>353</b>	R	Reset running time of the fan piloted by the inverter, delivery section	WORD		0 ... 1	0		flag
380		<b>CMD_SELEZIONE_COMPRESSORE_1_TOGGLE</b>	<b>354</b>	R	Select compressor 1	WORD		0 ... 1	0		flag
381		<b>CMD_SELEZIONE_COMPRESSORE_2_TOGGLE</b>	<b>355</b>	R	Select compressor 2	WORD		0 ... 1	0		flag
382		<b>CMD_SELEZIONE_COMPRESSORE_3_TOGGLE</b>	<b>356</b>	R	Select compressor 3	WORD		0 ... 1	0		flag
383		<b>CMD_SELEZIONE_COMPRESSORE_4_TOGGLE</b>	<b>357</b>	R	Select compressor 4	WORD		0 ... 1	0		flag
384		<b>CMD_SELEZIONE_COMPRESSORE_5_TOGGLE</b>	<b>358</b>	R	Select compressor 5	WORD		0 ... 1	0		flag
385		<b>CMD_SELEZIONE_COMPRESSORE_6_TOGGLE</b>	<b>359</b>	R	Select compressor 6	WORD		0 ... 1	0		flag
386		<b>CMD_SELEZIONE_COMPRESSORE_7_TOGGLE</b>	<b>360</b>	R	Select compressor 7	WORD		0 ... 1	0		flag
387		<b>CMD_SELEZIONE_COMPRESSORE_8_TOGGLE</b>	<b>361</b>	R	Select compressor 8	WORD		0 ... 1	0		flag
388		<b>CMD_SELEZIONE_COMPRESSORE_9_TOGGLE</b>	<b>362</b>	R	Select compressor 9	WORD		0 ... 1	0		flag
389		<b>CMD_SELEZIONE_COMPRESSORE_10_TOGGLE</b>	<b>363</b>	R	Select compressor 10	WORD		0 ... 1	0		flag
390		<b>CMD_SELEZIONE_COMPRESSORE_11_TOGGLE</b>	<b>364</b>	R	Select compressor 11	WORD		0 ... 1	0		flag
391		<b>CMD_SELEZIONE_COMPRESSORE_12_TOGGLE</b>	<b>365</b>	R	Select compressor 12	WORD		0 ... 1	0		flag
392		<b>CMD_SELEZIONE_COMPRESSORE_INV_1_TOGGLE</b>	<b>366</b>	R	Select compressor piloted by inverter, suction section	WORD		0 ... 1	0		flag

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393		<b>CMD_SELEZIONE_COMPRESSORE_INV_2_TOGGLE</b>	<b>367</b>	R	Select/deselect compressor piloted by inverter, suction section 2	WORD		0 ... 1	0		flag
394		<b>CirC1PrLSuctionA_UI</b>	<b>2048</b>	R	Low pressure switch, suction section	WORD		0 ... 2	0		num
395		<b>CirC1PrHSuctionA_UI</b>	<b>2049</b>	R	High pressure switch, suction section	WORD		0 ... 2	0		num
396		<b>CirC2PrLSuctionA_UI</b>	<b>2050</b>	R	Low pressure switch, suction section 2	WORD		0 ... 2	0		num
397		<b>CirC2PrHSuctionA_UI</b>	<b>2051</b>	R	High pressure switch, suction section 2	WORD		0 ... 2	0		num
398		<b>CirC1HSuctionA_UI</b>	<b>2052</b>	R	High pressure, suction section	WORD		0 ... 1	0		flag
399		<b>CirC1LSuctionA_UI</b>	<b>2053</b>	R	Low pressure, suction section	WORD		0 ... 1	0		flag
400		<b>CirC2HSuctionA_UI</b>	<b>2054</b>	R	High pressure, suction section 2	WORD		0 ... 1	0		flag
401		<b>CirC2LSuctionA_UI</b>	<b>2055</b>	R	Low pressure, suction section 2	WORD		0 ... 1	0		flag
402		<b>PlanRefLiqLevA_UI</b>	<b>2056</b>	R	Refrigerant level low	WORD		0 ... 2	0		num
403		<b>PlanRefLiqLeakA_UI</b>	<b>2057</b>	R	Refrigerant leakage	WORD		0 ... 2	0		num
404		<b>FanPrLDischargeA_UI</b>	<b>2058</b>	R	Low pressure switch, delivery section	WORD		0 ... 2	0		num
405		<b>FanPrHDischargeA_UI</b>	<b>2059</b>	R	High pressure switch, delivery section	WORD		0 ... 2	0		num
406		<b>FanHDischargeA_UI</b>	<b>2060</b>	R	High pressure, delivery section	WORD		0 ... 1	0		flag
407		<b>FanLDischargeA_UI</b>	<b>2061</b>	R	Low pressure, delivery section	WORD		0 ... 1	0		flag
408		<b>FansTherA_1_UI</b>	<b>2062</b>	R	Thermal protection fan 1 (manual reset)	WORD		0 ... 1	0		flag
409		<b>FansTherA_2_UI</b>	<b>2063</b>	R	Thermal protection fan 2 (manual reset)	WORD		0 ... 1	0		flag
410		<b>FansTherA_3_UI</b>	<b>2064</b>	R	Thermal protection fan 3 (manual reset)	WORD		0 ... 1	0		flag

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411		FansTherA_4_UI	2065	R	Thermal protection fan 4 (manual reset)	WORD		0 ... 1	0		flag
412		FansTherA_5_UI	2066	R	Thermal protection fan 5 (manual reset)	WORD		0 ... 1	0		flag
413		FansTherA_6_UI	2067	R	Thermal protection fan 6 (manual reset)	WORD		0 ... 1	0		flag
414		FansTherA_7_UI	2068	R	Thermal protection fan 7 (manual reset)	WORD		0 ... 1	0		flag
415		FansTherA_8_UI	2069	R	Thermal protection fan 8 (manual reset)	WORD		0 ... 1	0		flag
416		FansInvTherA_UI	2070	R	Thermal switch for fan piloted by inverter, delivery section	WORD		0 ... 1	0		flag
417		FansInvErrA_UI	2071	R	Inverter error, delivery section	WORD		0 ... 1	0		flag
418		FansMaintenanceA_1_UI	2072	R	Fan exceeded running time 1	WORD		0 ... 2	0		num
419		FansMaintenanceA_2_UI	2073	R	Fan exceeded running time 2	WORD		0 ... 2	0		num
420		FansMaintenanceA_3_UI	2074	R	Fan exceeded running time 3	WORD		0 ... 2	0		num
421		FansMaintenanceA_4_UI	2075	R	Fan exceeded running time 4	WORD		0 ... 2	0		num
422		FansMaintenanceA_5_UI	2076	R	Fan exceeded running time 5	WORD		0 ... 2	0		num
423		FansMaintenanceA_6_UI	2077	R	Fan exceeded running time 6	WORD		0 ... 2	0		num
424		FansMaintenanceA_7_UI	2078	R	Fan exceeded running time 7	WORD		0 ... 2	0		num

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425		FansMaintenanceA_8_UI	2079	R	Fan exceeded running time 8	WORD		0 ... 2	0		num
426		FansInvMaintenanceA_UI	2080	R	Running time of fan piloted by inverter exceeded, delivery section	WORD		0 ... 2	0		num
427		CirC1KompOilPDifA_UI	2081	R	Oil pressure differential, suction section	WORD		0 ... 1	0		flag
428		CirC2KompOilPDifA_UI	2082	R	Oil pressure differential, suction section	WORD		0 ... 1	0		flag
429		CirC1KompHPA_UI	2083	R	High pressure compressor, suction section	WORD		0 ... 1	0		flag
430		CirC2KompHPA_UI	2084	R	High pressure compressor, suction section 2	WORD		0 ... 1	0		flag
431		CirC1KompLPA_UI	2085	R	Low pressure compressor, suction section	WORD		0 ... 1	0		flag
432		CirC2KompLPA_UI	2086	R	Low pressure compressor, suction section 2	WORD		0 ... 1	0		flag
433		CirC1KompTherA_UI	2087	R	Compressor thermal switch, suction section	WORD		0 ... 1	0		flag
434		CirC2KompTherA_UI	2088	R	Compressor thermal switch, suction section 2	WORD		0 ... 1	0		flag
435		KompMaintenanceA_1_UI	2089	R	Compressor 1 operating hours exceeded warning	WORD		0 ... 2	0		num

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436		<b>KompMaintenanceA_2_UI</b>	<b>2090</b>	R	Compressor 2 operating hours exceeded warning	WORD		0 ... 2	0		num
437		<b>KompMaintenanceA_3_UI</b>	<b>2091</b>	R	Compressor 3 operating hours exceeded warning	WORD		0 ... 2	0		num
438		<b>KompMaintenanceA_4_UI</b>	<b>2092</b>	R	Compressor 4 operating hours exceeded warning	WORD		0 ... 2	0		num
439		<b>KompMaintenanceA_5_UI</b>	<b>2093</b>	R	Compressor 5 operating hours exceeded warning	WORD		0 ... 2	0		num
440		<b>KompMaintenanceA_6_UI</b>	<b>2094</b>	R	Compressor 6 operating hours exceeded warning	WORD		0 ... 2	0		num
441		<b>KompMaintenanceA_7_UI</b>	<b>2095</b>	R	Compressor 7 operating hours exceeded warning	WORD		0 ... 2	0		num
442		<b>KompMaintenanceA_8_UI</b>	<b>2096</b>	R	Compressor 8 operating hours exceeded warning	WORD		0 ... 2	0		num
443		<b>KompMaintenanceA_9_UI</b>	<b>2097</b>	R	Compressor 9 operating hours exceeded warning	WORD		0 ... 2	0		num
444		<b>KompMaintenanceA_10_UI</b>	<b>2098</b>	R	Compressor 10 operating hours exceeded warning	WORD		0 ... 2	0		num

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445		<b>KompMaintenanceA_11_UI</b>	<b>2099</b>	R	Compressor 11 operating hours exceeded warning	WORD		0 ... 2	0		num
446		<b>KompMaintenanceA_12_UI</b>	<b>2100</b>	R	Compressor 12 operating hours exceeded warning	WORD		0 ... 2	0		num
447		<b>CirC1KomplnvBkA_UI</b>	<b>2101</b>	R	Stop compressor piloted by inverter, suction section	WORD		0 ... 1	0		flag
448		<b>CirC2KomplnvBkA_UI</b>	<b>2102</b>	R	Stop compressor piloted by inverter, suction section 2	WORD		0 ... 1	0		flag
449		<b>CirC1KomplnvMaintenanceA_UI</b>	<b>2103</b>	R	Running time of compressor piloted by inverter has been exceeded, suction section	WORD		0 ... 2	0		num
450		<b>CirC2KomplnvMaintenanceA_UI</b>	<b>2104</b>	R	Running time of compressor piloted by inverter has been exceeded, suction section 2	WORD		0 ... 2	0		num
451		<b>KompBkA_1_UI</b>	<b>2105</b>	R	Stop compressor 1	WORD		0 ... 1	0		flag
452		<b>KompBkA_2_UI</b>	<b>2106</b>	R	Stop compressor 2	WORD		0 ... 1	0		flag
453		<b>KompBkA_3_UI</b>	<b>2107</b>	R	Stop compressor 3	WORD		0 ... 1	0		flag
454		<b>KompBkA_4_UI</b>	<b>2108</b>	R	Stop compressor 4	WORD		0 ... 1	0		flag
455		<b>KompBkA_5_UI</b>	<b>2109</b>	R	Stop compressor 5	WORD		0 ... 1	0		flag
456		<b>KompBkA_6_UI</b>	<b>2110</b>	R	Stop compressor 6	WORD		0 ... 1	0		flag
457		<b>KompBkA_7_UI</b>	<b>2111</b>	R	Stop compressor 7	WORD		0 ... 1	0		flag
458		<b>KompBkA_8_UI</b>	<b>2112</b>	R	Stop compressor 8	WORD		0 ... 1	0		flag
459		<b>KompBkA_9_UI</b>	<b>2113</b>	R	Stop compressor 9	WORD		0 ... 1	0		flag

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460		KompBkA_10_UI	2114	R	Stop compressor 10	WORD		0 ... 1	0		flag
461		KompBkA_11_UI	2115	R	Stop compressor 11	WORD		0 ... 1	0		flag
462		KompBkA_12_UI	2116	R	Stop compressor 12	WORD		0 ... 1	0		flag
463		CirC1KomplnvErrA_UI	2117	R	Inverter Error, suction section	WORD		0 ... 1	0		flag
464		CirC2KomplnvErrA_UI	2118	R	Inverter Error, suction section 2	WORD		0 ... 1	0		flag
465		CirC1RefOilLevA_UI	2119	R	Lubricant oil level low, suction section	WORD		0 ... 2	0		num
466		CirC2RefOilLevA_UI	2120	R	Oil level low, suction section 2	WORD		0 ... 2	0		num
467		PlanGenericA_UI	2121	R	General alarm	WORD		0 ... 1	0		flag
468		FanMaxPreventionA_UI	2122	R	Prevention timeout, delivery section	WORD		0 ... 1	0		flag
469		PlanIntTempSensErr_UI	2123	R	Internal temperature probe error	WORD		0 ... 1	0		flag
470		CirC1SuctionSensErr_UI	2124	R	Suction probe error, suction section	WORD		0 ... 1	0		flag
471		CirC2SuctionSensErr_UI	2125	R	Suction probe error, suction section 2	WORD		0 ... 1	0		flag
472		FanDischargeSensErr_UI	2126	R	Delivery probe error	WORD		0 ... 1	0		flag
473		PlanExtTempSensErr_UI	2127	R	External temperature probe error	WORD		0 ... 1	0		flag
474		PlanHrTempSensErr_UI	2128	R	Heat recovery temperature probe error	WORD		0 ... 1	0		flag
475		FanUcTempSensErr_UI	2129	R	Sub-cooling temperature probe error	WORD		0 ... 1	0		flag
476		BbxOpenError_UI	2130	R	Error opening logged data file	WORD		0 ... 1	0		flag
477		BbxWriteError_UI	2131	R	Error writing logged data file	WORD		0 ... 1	0		flag

<b>INDEX</b>	<b>FOLDER</b>	<b>LABEL</b>	<b>ADDRESS</b>	<b>R/W</b>	<b>DESCRIPTION</b>	<b>DATA SIZE</b>	<b>CPL</b>	<b>RANGE</b>	<b>DEFAULT</b>	<b>EXP</b>	<b>M.U.</b>
478		<b>BbxCloseError_UI</b>	<b>2132</b>	R	Error closing logged data file	WORD		0 ... 1	0		flag
479		<b>BbxFullError_UI</b>	<b>2133</b>	R	Logged data memory full error	WORD		0 ... 1	0		flag
480		<b>PlanIOCfgErr_UI</b>	<b>2134</b>	R	Configuration error alarm	WORD		0 ... 1	0		flag
481		<b>PlanE2BiosErr_UI</b>	<b>2135</b>	R	External eeprom CRC error alarm	WORD		0 ... 1	0		flag
482		<b>PlanE2UserErr_UI</b>	<b>2136</b>	R	External eeprom CRC error alarm	WORD		0 ... 1	0		flag
483		<b>PlanRTCSupplyErr_UI</b>	<b>2137</b>	R	RTA battery low alarm	WORD		0 ... 1	0		flag
484		<b>PlanRTCAckErr_UI</b>	<b>2138</b>	R	RTC communication error alarm	WORD		0 ... 1	0		flag
485		<b>PlanRTCValueErr_UI</b>	<b>2139</b>	R	Alarm RTC register value not consistent	WORD		0 ... 1	0		flag
532		<b>CMD_MB_RQCONFIGCMD_ON</b>	<b>306</b>	R	Request open configuration mode	WORD		0 ... 1	0		flag
533		<b>CMD_MB_RQCONFIGCMD_OFF</b>	<b>306</b>	R	Request exit configuration mode	WORD		0 ... 1	0		flag
534		<b>CMD_MB_LOCK_PARMODIFIED_MBADDRESS_ON</b>	<b>421</b>	R	Disable automatic update of associated parameters	WORD		0 ... 1	0		flag
535		<b>CMD_MB_LOCK_PARMODIFIED_MBADDRESS_OFF</b>	<b>421</b>	R	Automatic update of associated parameters active	WORD		0 ... 1	0		flag
536		<b>CMD_UARTOPEREQ_AT_1</b>	<b>1921</b>	R	Start downloading logged data via serial	WORD		0 ... 1	0		flag
537		<b>CMD_UARTOPEREQ_AT_2</b>	<b>1921</b>	R	Start downloading alarm history via serial	WORD		0 ... 1	0		flag
538		<b>CMD_UARTOPEREQ_AT_3</b>	<b>1921</b>	R	Cancel download via serial	WORD		0 ... 1	0		flag

Errors Possible / Subject to Alterations  
 Con riserva di errori e modifiche  
 Bajo reserva de error o modificación



Irrtum und Änderungen vorbehalten  
Sous réserve d'erreurs et de modifications  
Fouten en wijzigingen voorbehouden



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