De Dietrich

LE CONFORT DURABLE®

Liste des paramètres DIEMATIC iSystem pour GTW26

De Dietrich

LE CONFORT DURABLE®

Cher client,

Merci d'avoir fait l'acquisition de cet appareil.

Nous vous invitons à lire attentivement la présente notice avant d'utiliser votre appareil. Conservez ce document dans un endroit adapté afin de pouvoir vous y référer ultérieurement. Pour garantir un fonctionnement sûr et efficace, nous vous recommandons de procéder régulièrement aux opérations d'entretien nécessaires. Notre service Après-Vente et notre équipe technique peuvent vous apporter leur aide dans ces opérations.

Nous espérons que vous profiterez de votre produit pendant de longues années.

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Introduction

L'objet de ce document est de donner la liste des différentes adresses Modbus pour l'appareil D4 iSystem :

- MIT
- GFS / OCM
- MCA / MCA PRO
- C330

Le type de données Parameter peut être lu et écrit.

Le type de données Measures ne peut être que lu.

Référence des documents :

1   Protocole Modbus

1.1   Réglages du débit en bauds et de la parité

Le commutateur DIP à pôles - Il est utilisé pour configurer le débit en bauds et la parité du Modbus GTW-26

Seules les positions 1 et 2 sont utilisées pour sélectionner le débit en bauds

SWITCHES 1234	Modbus Baud rate
00XX	9600 bds
10XX	19200 bds
01XX	38400 bds
11XX	57600 bds

SWITCHES 1234	Modbus Parity
XX00	Parity None
XX10	Parity Odd
XX01	Parity Even
XX11	Parity None

1.2   Code de fonction pris en charge

Les codes de fonction Modbus suivants sont pris en charge :

   - (03d) Lecture du registre de maintien

- (04d) Lecture du registre d'entrée

- (06d) Écriture d'un seul registre

- (16d) Écriture de plusieurs registres

Pour la lecture (04d) et l'écriture (16d) multiples, le GTW26 prend en charge la lecture/écriture des 40 registres à l'état brut.

1.3 Code d'exception Modbus

Exception Code	Name	Meaning
01 (01 hex)	Illegal Function	BMS request a function code not supported.
02 (02 hex)	Illegal Data Address	BMS request word address out of bounds from D4 iSystem appliance
03 (03 hex)	Illegal Data Value	BMS set value on word address out of range to a D4 iSystem appliance
04 (04 hex)	Slave Device Failure	Writing a word address is in process. It is not finished yet on a D4 iSystem appliance
10 (0A hex)	Gateway Path Unavailable	D4 iSystem appliance not detected yet or anymore by GTW-26
11 (0B hex)	Gateway Target Device Failed to Respond	The word address requested was not read yet by the GTW-26 from the D4 iSystem appliance

1.4 Processus d'écriture

Le GTW26 ne transmet pas instantanément l'ordre d'écriture qu'il reçoit.Il attend le bon moment.Lorsque le GTW26 reçoit une demande d'écriture, il enregistre la demande d'écriture, puis il répond à la demande par une réponse de confirmation d'écriture et, après un délai (dépendant de l'état du bus, du nombre d'ordres d'écriture en attente…), il envoit la demande d'écriture au périphérique et, après un délai, il lit finalement à nouveau les mots écrits.

Nous recommandons, après un ordre d'écriture, de lire l'adresse écrite et d'évaluer la réponse au code d'erreur jusqu'à ce que les données soient à nouveau prêtes.

Exemple :

- Demande d'écriture (périphérique 10, adresse de début 300, nombre de mots à écrire 1, valeur 0x1234)
    - o Réponse d'écriture OK
- Demande de lecture (périphérique 10, adresse de début 300, nombre de mots à écrire 1)
    - o Réponse de lecture Code d'erreur 6 : une écriture est en attente sur ce mot
        - ▪ attendez un instant et réessayez
- Demande de lecture (périphérique 10, adresse de début 300, nombre de mots à écrire 1)
    - o Réponse de lecture Code d'erreur 6 : une écriture est en attente sur ce mot
        - ▪ attendez un instant et réessayez
- Demande de lecture (périphérique 10, adresse de début 300, nombre de mots à écrire 1)
    - o Réponse de lecture Code d'erreur 11 : en attente de relecture du mot
        - ▪ attendez un instant et réessayez
- Demande de lecture (périphérique 10, adresse de début 300, nombre de mots à écrire 1)
    - o Réponse de lecture OK : valeur = 0x1234

1.5 Chiffrage des données

Chaque format décrit dans le document est chiffré comme suit. Toutes les données du registre ont leur bit de poids fort en premier

Format	Data Encoding
##.# °C ##.# °K #.#dh	Integer 16 and the resolution is 0.1the data encoded as if the bit 15 is set to one the value is negative Example: 0x8001 = -0.1°C And 0x0001 = 0.1°C
IO	UNSIGNED 16
enum	UNSIGNED 16 with MSB is equal to 0x00
## mn	UNSIGNED 16 with MSB is equal to 0x00

2 Circuit de chauffage

2.1 Circuit A

Address	Label	Description	Units	Type	Format	Minimal Value	Maximal Value	Increment	Remarks
299	MAX.CIRC.A	Maximum temperature of the circuit A	0.1 °C	Parameter	##.# °C	300	900	10	
650	DAY TEMP.A	Wished room temperature in comfort period of the circuit A	0.1 C°	Parameter	##.# °C	50	300	5	
651	NIGHT TEMP.A	Wished room temperature in reduced period of the circuit A	0.1 C°	Parameter	##.# °C	50	300	5	
652	ANTIFR.ROOM A	Minimal authorized room temperature	0.1 C°	Parameter	##.# °C	5	200	5	
653	DEROGATION A+DHW	Derogation circuit A+DHW	--	Parameter	see IO	0	255	1	See Annexes for details
655	CIRC.CURVE A	Slope of the heat curve of the circuit A	0.1 K/K	Parameter	#.#	0	40	1	
296	CIRC.A	Circuit A type	-	Parameter	--	0	15	1	0=DISAB.,1=DIRECT,2=NA,3=NA, 4=NA,5=PROGRAM.6=NA,7=H.TEMP,8=NA, 9=NA,10=NA,11=DHW, 12=NA,13=NA,14=NA,15=DHW ELEC For MIT: 0=DISAB.,1=DIRECT,2=HEATING FL.,3=NA, 4=NA,5=PROGRAM.6=NA,7=H.TEMP,8=NA, 9=NA,10=FAN CONVECTOR,11=DHW, 12=NA,13=NA,14=NA,15=DHW ELEC
282	ANTICIP.A	Activation and adjustment of the anticipation time	0.1DH	Parameter	#.#dh	0	101	1	(101=NO)
289	HCZP D A	Day heat curve footpoint Circ A	0.1 °C	Parameter	##.# °C	150	900	50	Minimal value :150 equal 15°C equal No (inactive function)
290	HCZP N A	Night heat curve footpoint	0.1 °C	Parameter	##.# °C	150	900	50	Minimal value :150 equal 15°C equal No (inactive function)

		Circ A						
126	MONDAY		1/2 hour/bit	Parameter	#	0	65535	1	
127	MONDAY		1/2 hour/bit	Parameter	#	0	65535	1	
128	MONDAY		1/2 hour/bit	Parameter	#	0	65535	1	
129	TUESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
130	TUESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
131	TUESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
132	WEDNESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
133	WEDNESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
134	WEDNESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
135	THURSDAY	Time Program P4 Circuit A	1/2 hour/bit	Parameter	#	0	65535	1	Bar-graph from 0h to 24h Ex: Monday circ.A : 0x0003 0xFFFF 0xFF00 -> Night from 0h to 7h, Night from 20h to 24h, Day from 7h to 20h
136	THURSDAY		1/2 hour/bit	Parameter	#	0	65535	1	
137	THURSDAY		1/2 hour/bit	Parameter	#	0	65535	1	
138	FRIDAY		1/2 hour/bit	Parameter	#	0	65535	1	
139	FRIDAY		1/2 hour/bit	Parameter	#	0	65535	1	
140	FRIDAY		1/2 hour/bit	Parameter	#	0	65535	1	
141	SATURDAY		1/2 hour/bit	Parameter	#	0	65535	1	
142	SATURDAY		1/2 hour/bit	Parameter	#	0	65535	1	
143	SATURDAY		1/2 hour/bit	Parameter	#	0	65535	1	
144	SUNDAY		1/2 hour/bit	Parameter	#	0	65535	1	
145	SUNDAY		1/2 hour/bit	Parameter	#	0	65535	1	

146	SUNDAY		1/2 hour/bit	Parameter	#	0	65535	1	
231	CURRENT PROG.A	Choice of the time program applied (P1-P4) Circ A	--	Parameter	#	0	3	1	0=P1,...,3=P4
614	ROOMTEMP.A	Measure of the room sensor circuit A	0.1 °C	Measure	##.# °C	0	400	1	0XFFFF if not available
615	CALCULATED T.A	By the controller calculated outlet setpoint Circ A	0.1 C°	Measure	##.# °C	--	--	1	
637	Operating mode of circuit A	Heating mode Circ A	1	Measure	enum	0	255	1	0=antifreeze, 2=Night, 4=Day

2.2 Circuit B

Address	Label	Description	Units	Type	Format	Minimal Value	Maximal Value	Increment	Remarks
662	MIN.CIRC.B	Minimum temperature of the circuit B	0.1 C°	Parameter	##.# °C	100	500	10	
663	MAX.CIRC.B	Maximum temperature of the circuit B	0.1 C°	Parameter	##.# °C	200	950	10	
656	DAY TEMP.B	Wished room temperature in comfort period of the circuit B	0.1 C°	Parameter	##.# °C	50	300	5	
657	NIGHT TEMP.B	Wished room temperature in reduced period of the circuit B	0.1 C°	Parameter	##.# °C	50	300	5	
658	ANTIFR.ROOM B	Minimal authorized room temperature	0.1 C°	Parameter	##.# °C	5	200	1	
659	DEROGATION B+DHW	Derogation circuit B+DHW	--	Parameter	see IO	0	255	1	See Annexes for details
661	CIRC.CURVE B	Slope of the heat curve of the circuit B	0.1 K/K	Parameter	#.#	0	40	1	
297	CIRC.B	Circuit B type	-	Parameter	--	1	4	1	1=DIRECT, 2= HEATING FL, 3=NA, 4= SWIM.P. For MIT: 1=DIRECT, 2=HEATING FL, 3=NA , 4= SWIM.P., 5= NA.6=NA,7= NA,8=NA, 9=NA,10=FAN CONVECTOR, 11= NA, 12=NA Maximal value equal 12
686	SWIMMING P.T.B	Wished swimming pool temperature	0.1 C°	Parameter	##.# °C	0	390	50	0=Antifreeze
283	ANTICIP.B	Activation and adjustment of the anticipation time	0.1DH	Parameter	#.#dh	0	101	1	(101=NO)
291	HCZP D B	Day heat curve footpoint Circ B	0.1 °C	Parameter	##.# °C	150	900	50	Minimal value: 150 equal 15°C equal No (inactive function)
292	HCZP N B	Night heat curve footpoint Circ B	0.1 °C	Parameter	##.# °C	150	900	50	Minimal value: 150 equal 15°C equal No (inactive function)

147	MONDAY		1/2 hour/bit	Parameter	#	0	65535	1	
148	MONDAY		1/2 hour/bit	Parameter	#	0	65535	1	
149	MONDAY		1/2 hour/bit	Parameter	#	0	65535	1	
150	TUESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
151	TUESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
152	TUESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
153	WEDNESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
154	WEDNESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
155	WEDNESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
156	THURSDAY		1/2 hour/bit	Parameter	#	0	65535	1	Bar-graph from 0h to 24h
157	THURSDAY	Time Program P4 Circuit B	1/2 hour/bit	Parameter	#	0	65535	1	Ex: Monday circ.B : 0x0003 0xFFFF 0xFF00 -> Night from 0h to 7h
158	THURSDAY		1/2 hour/bit	Parameter	#	0	65535	1	Night from 20h to 24h, Day from 7h to 20h
159	FRIDAY		1/2 hour/bit	Parameter	#	0	65535	1	
160	FRIDAY		1/2 hour/bit	Parameter	#	0	65535	1	
161	FRIDAY		1/2 hour/bit	Parameter	#	0	65535	1	
162	SATURDAY		1/2 hour/bit	Parameter	#	0	65535	1	
163	SATURDAY		1/2 hour/bit	Parameter	#	0	65535	1	
164	SATURDAY		1/2 hour/bit	Parameter	#	0	65535	1	
165	SUNDAY		1/2 hour/bit	Parameter	#	0	65535	1	
166	SUNDAY		1/2 hour/bit	Parameter	#	0	65535	1	
167	SUNDAY		1/2 hour/bit	Parameter	#	0	65535	1	

232	CURRENT PROG.B	Choice of the time program applied (P1-P4) Circ B	--	Parameter	#	0	3	1	0=P1,...,3=P4
605	OUTLET TEMP.B	Measure of the mixing circuit departure sensor	0.1 °C	Measure	##.# °C	0	1500	1	
616	ROOMTEMP.B	Measure of the room sensor circuit B	0.1 °C	Measure	##.# °C	0	400	1	0XFFFF if not available
617	CALCULATED T.B	By the controller calculated outlet setpoint Circ B	0.1 C°	Measure	##.# °C	0	--	1	
638	Operating mode of circuit B	Heating mode Circ B	1	Measure	enum	0	255	1	0=antifreeze, 2=Night, 4=Day

2.3 Circuit C

Address	Label	Description	Units	Type	Format	Minimal Value	Maximal Value	Increment	Remarks
670	MIN.CIRC.C	Minimum temperature of the circuit C	0.1 C°	Parameter	##.# °C	100	500	10	
671	MAX.CIRC.C	Maximum temperature of the circuit C	0.1 C°	Parameter	##.# °C	200	950	10	
664	DAY TEMP.C	Wished room temperature in comfort period of the circuit C	0.1 C°	Parameter	##.# °C	50	300	5	
665	NIGHT TEMP.C	Wished room temperature in reduced period of the circuit C	0.1 C°	Parameter	##.# °C	50	300	5	
666	ANTIFR.ROOM C	Minimal authorized room temperature	0.1 C°	Parameter	##.# °C	5	200	1	
667	DEROGATION C+DHW	Derogation circuit C+DHW	--	Parameter	see IO	0	255	1	See Annexes for details
669	CIRC.CURVE C	Slope of the heat curve of the circuit C	0.1 K/K	Parameter	#.#	0	40	1	
360	CIRC.C	Circuit C type	-	Parameter	enum	1	4	1	1=DIRECT, 2= HEATING FL,3=NA,4= SWIM.P. For MIT: 1=DIRECT, 2= HEATING FL, 3=NA , 4= SWIM.P., 5= NA, 6=NA, 7= NA, 8=NA, 9=NA, 10=FAN CONVECTOR, 11= NA, 12=NA Maximal value equal 12
687	SWIMMING P.T.C	Wished swimming pool temperature	0.1 C°	Parameter	##.# °C	0	390	50	0=Antifreeze
284	ANTICIP.C	Activation and adjustment of the anticipation time	0.1DH	Parameter	#.#dh	0	101	1	0.1DH
358	HCZP D C	Day heat curve footpoint Circ C	0.1 °C	Parameter	##.# °C	150	900	50	Minimal value: 150 equal 15°C equal No (inactive function)

359	HCZP N C	Night heat curve footpoint Circ C	0.1 °C	Parameter	##.# °C	150	900	50	Minimal value: 150 equal 15°C equal No (inactive function)
168	MONDAY		1/2 hour/bit	Parameter	#	0	65535	1	
169	MONDAY		1/2 hour/bit	Parameter	#	0	65535	1	
170	MONDAY		1/2 hour/bit	Parameter	#	0	65535	1	
171	TUESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
172	TUESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
173	TUESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
174	WEDNESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
175	WEDNESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
176	WEDNESDAY		1/2 hour/bit	Parameter	#	0	65535	1	Bar-graph from 0h to 24h Ex: Monday circ.C : 0x0003 0xFFFF 0xFF00 -> Night from 0h to 7h, Night from 20h to 24h, Day from 7h to 20h
177	THURSDAY	Time Program P4 Circuit C	1/2 hour/bit	Parameter	#	0	65535	1	
178	THURSDAY		1/2 hour/bit	Parameter	#	0	65535	1	
179	THURSDAY		1/2 hour/bit	Parameter	#	0	65535	1	
180	FRIDAY		1/2 hour/bit	Parameter	#	0	65535	1	
181	FRIDAY		1/2 hour/bit	Parameter	#	0	65535	1	
182	FRIDAY		1/2 hour/bit	Parameter	#	0	65535	1	
183	SATURDAY		1/2 hour/bit	Parameter	#	0	65535	1	
184	SATURDAY		1/2 hour/bit	Parameter	#	0	65535	1	
185	SATURDAY		1/2 hour/bit	Parameter	#	0	65535	1	
186	SUNDAY		1/2 hour/bit	Parameter	#	0	65535	1	
187	SUNDAY		1/2 hour/bit	Parameter	#	0	65535	1	

188	SUNDAY		1/2 hour/bit	Parameter	#	0	65535	1	
233	CURRENT PROG.C	Choice of the time program applied (P1-P4) Circ C	--	Parameter	#	0	3	1	0=P1,...,3=P4
606	OUTLET TEMP.C	Measure of the mixing circuit departure sensor	0.1 °C	Measure	##.# °C	0	1500	1	
618	ROOMTEMP.C	Measure of the room sensor circuit C	0.1 °C	Measure	##.# °C	0	400	1	0XFFFF if not available
619	CALCULATED T.C	By the controller calculated outlet setpoint Circ C	0.1 C°	Measure	##.# °C	--	--	1	
639	Operating mode of circuit C	Heating mode Circ C	1	Measure	enum	0	255	1	0=antifreeze, 2=Night, 4=Day

1
2
3   Circuit d'eau chaude sanitaire/auxiliaire

3.1 Circuit d'eau chaude sanitaire

Address	Label	Description	Units	Type	Format	Minimal Value	Maximal Value	Increment	Remarks
121	PRIM.TEMP.DHW	Setting of the primary temperature setting for the DHW production	0.1 C°	Parameter	##.#°C	500	950	10	
672	WATER T.DAY	Wished domestic day hot water temperature	0.1 C°	Parameter	##.# °C	400	650	10	Minimal value equal 100 with MIT
673	WATER T.NIGHT	Wished domestic night hot water temperature	0.1 C°	Parameter	##.# °C	400	650	10	Minimal value equal 100 with MIT
674	PRIORITY DHW	Choice of DHW Priority	--	Parameter	enum	0	2	1	0=TOTAL, 1=SLIDING, 2=NO
61	DHW.PUMP DELAY	Delay before stop of the hot water pump	mn	Parameter	## mn	2	15	1	
268	LEG PROTEC	Configuration of the legionella protection	-	Parameter	enum	0	2	1	0=NO, 1=Daily, 2= Weekly
189	MONDAY	Time Program Circuit DWH	1/2 hour/bit	Parameter	#	0	65535	1	Bar-graph from 0h to 24h Exe: Monday circ.DHW : 0x0003 0xFFFF 0xFF00 -> Night from 0h to 7h, Night from 20h to 24h, Day from 7h to 20h
190	MONDAY		1/2 hour/bit	Parameter	#	0	65535	1	
191	MONDAY		1/2 hour/bit	Parameter	#	0	65535	1	
192	TUESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
193	TUESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
194	TUESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
195	WEDNESDAY		1/2 hour/bit	Parameter	#	0	65535	1	

196	WEDNESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
197	WEDNESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
198	THURSDAY		1/2 hour/bit	Parameter	#	0	65535	1	
199	THURSDAY		1/2 hour/bit	Parameter	#	0	65535	1	
200	THURSDAY		1/2 hour/bit	Parameter	#	0	65535	1	
201	FRIDAY		1/2 hour/bit	Parameter	#	0	65535	1	
202	FRIDAY		1/2 hour/bit	Parameter	#	0	65535	1	
203	FRIDAY		1/2 hour/bit	Parameter	#	0	65535	1	
204	SATURDAY		1/2 hour/bit	Parameter	#	0	65535	1	
205	SATURDAY		1/2 hour/bit	Parameter	#	0	65535	1	
206	SATURDAY		1/2 hour/bit	Parameter	#	0	65535	1	
207	SUNDAY		1/2 hour/bit	Parameter	#	0	65535	1	
208	SUNDAY		1/2 hour/bit	Parameter	#	0	65535	1	
209	SUNDAY		1/2 hour/bit	Parameter	#	0	65535	1	
603	DHW TEMP.	Measure of domestic hot water sensor	0.1 C°	Measure	##.# °C	0	1500	1	
640	Operating mode of circuit DHW	Heating mode DHW	1	Measure	enum	0	255	1	0=antifreeze, 2=Night, 4=Day

3.2 Circuit auxiliaire

Address	Label	Description	Units	Type	Format	Minimal Value	Maximal Value	Increment	Remarks
741	I.SYST	Function of the System Input	--	Parameter	--	0	4	1	0=DISAB.,1=SYSTEM, 2=ST.TANK, 3=DHW STRAT, 4=ST.TANK+DHW
744	S.AUX	Circuit AUX type	1	Parameter	--	3	18	1	0=NA, 1=NA, 2=NA, 3=DHW LOOP, 4=NA, 5=PROGRAM, 8=PRIM.P, 9=ORDER BURNER, 11=DHW, 13=FAILURE, 15=DHW ELEC, 17=VM P, 18=DEF.CASC For MIT: 0=NA, 1=NA, 2=NA, 3=DHW LOOP, 4=NA, 5=PROGRAM, 8=PRIM.P, 11=DHW, 13=FAILURE, 15=DHW ELEC, 16=COLD, 17=VM P, 18=DEF.CASC
210	MONDAY	Time Program Circuit AUX	1/2 hour/bit	Parameter	#	0	65535	1	Bar-graph from 0h to 24h Ex: Monday circ.Aux : 0x0003 0xFFFF 0xFF00 -> Night from 0h to 7h, Night from 20h to 24h, Day from 7h to 20h
211	MONDAY		1/2 hour/bit	Parameter	#	0	65535	1	
212	MONDAY		1/2 hour/bit	Parameter	#	0	65535	1	
213	TUESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
214	TUESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
215	TUESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
216	WEDNESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
217	WEDNESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
218	WEDNESDAY		1/2 hour/bit	Parameter	#	0	65535	1	
219	THURSDAY		1/2 hour/bit	Parameter	#	0	65535	1	
220	THURSDAY		1/2 hour/bit	Parameter	#	0	65535	1	
221	THURSDAY		1/2 hour/bit	Parameter	#	0	65535	1	
222	FRIDAY		1/2 hour/bit	Parameter	#	0	65535	1	

223	FRIDAY		1/2 hour/bit	Parameter	#	0	65535	1	
224	FRIDAY		1/2 hour/bit	Parameter	#	0	65535	1	
225	SATURDAY		1/2 hour/bit	Parameter	#	0	65535	1	
226	SATURDAY		1/2 hour/bit	Parameter	#	0	65535	1	
227	SATURDAY		1/2 hour/bit	Parameter	#	0	65535	1	
228	SUNDAY		1/2 hour/bit	Parameter	#	0	65535	1	
229	SUNDAY		1/2 hour/bit	Parameter	#	0	65535	1	
230	SUNDAY		1/2 hour/bit	Parameter	#	0	65535	1	
622	TEMP.SYSTEM	Measure system outlet temperature	0.1 C°	Measure	##.# °C	0	1500	1	
641	Operating mode of circuit AUX	Heating mode AUX	1	Measure	enum	0	255	1	0=antifreeze, 2=Night, 4=Day

4 Configuration de l'installation

Address	Label	Description	Units	Type	Format	Minimal Value	Maximal Value	Increment	Remarks
8	SUM/WIN	Outdoor temperature: upper limit for heating	0.1 C°	Parameter	##.#°C	150	305	5	MIT Maximum value: 310 equal 31 °C equal No (inactive function) and increment is equal to 10
9	OUT.ANTIFREEZE	Outdoor temperature activating the installation antifreeze	0.1 C°	Parameter	##.# °C	-90	100	10	For the minimum value: -90 equal -9 °C equal No (inactive function)
10	NIGHT	Night reduced or frost-free operating mode	--	Parameter	enum	0	1	1	0=STOP / 1=DECREASE
11	H.PUMP DELAY	Delay before stop of the heating pump	mn	Parameter	## mn	0	15	1	
272	TIMER GENE P.	Minimum post operating time of the generator pump	mn	Parameter	## mn	1	99	1	
264	BUILD.INERTIA	Inertia of the building	-	Parameter	##	0	10	1	
266	BAND WIDTH	Bandwidth of the 3 way valve	0.1K	Parameter	## K	40	160	10	
267	BOIL/3WV SHIFT	Temperature shift between Boiler and 3WV	0.1K	Parameter	## K	0	160	10	
269	BURN.MIN.RUN	Minimum operating time of the burner	sec	Parameter	# second	10	180	1	Only GFS/OCM and C330
235	STOP N 1	Selection of the circuit stopped	-	Parameter	enum	0	15	1	Only for MCA/MCA pro and C330 0=NO, A, B, A B, C, A C, B C, ABC, DHW, A DHW, B DHW, A B DHW, C DHW, B C DHW, 0x0F=ALL
236	STOP N 2		-	Parameter	enum	0	15	1	
237	STOP N 3		-	Parameter	enum	0	15	1	
238	STOP N 4		-	Parameter	enum	0	15	1	
239	STOP N 5		-	Parameter	enum	0	15	1	
240	STOP N 6		-	Parameter	enum	0	15	1	
241	STOP N 7		-	Parameter	enum	0	15	1	

242	STOP N 8		-	Parameter	enum	0	15	1	
243	STOP N 9		-	Parameter	enum	0	15	1	
244	STOP N 10		-	Parameter	enum	0	15	1	
309	BEG.DATE N 1	Setting start date of the stop	QQ	Parameter	##	1	31	1	
310	BEG.MONTH N 1	Setting start month of the stop	MM	Parameter	enum	1	12	1	0x01=Jan.,...,0x12=dec.
311	END DATE N 1	Setting end date of the stop	QQ	Parameter	##	1	31	1	
312	END MONTH N 1	Setting end month of the stop	MM	Parameter	enum	1	12	1	0x01=Jan.,...,0x12=dec.
313	BEG.DATE N 2	Setting start date of the stop	QQ	Parameter	##	1	31	1	
314	BEG.MONTH N 2	Setting start month of the stop	MM	Parameter	enum	1	12	1	0x01=Jan.,...,0x12=dec.
315	END DATE N 2	Setting end date of the stop	QQ	Parameter	##	1	31	1	
316	END MONTH N 2	Setting end month of the stop	MM	Parameter	enum	1	12	1	0x01=Jan.,...,0x12=dec.
317	BEG.DATE N 3	Setting start date of the stop	QQ	Parameter	##	1	31	1	
318	BEG.MONTH N 3	Setting start month of the stop	MM	Parameter	enum	1	12	1	0x01=Jan.,...,0x12=dec.
319	END DATE N 3	Setting end date of the stop	QQ	Parameter	##	1	31	1	
320	END MONTH N 3	Setting end month of the stop	MM	Parameter	enum	1	12	1	0x01=Jan.,...,0x12=dec.
321	BEG.DATE N 4	Setting start date of the stop	QQ	Parameter	##	1	31	1	
322	BEG.MONTH N 4	Setting start month of the stop	MM	Parameter	enum	1	12	1	0x01=Jan.,...,0x12=dec.
323	END DATE N 4	Setting end date of the stop	QQ	Parameter	##	1	31	1	
324	END MONTH N 4	Setting end month of the stop	MM	Parameter	enum	1	12	1	0x01=Jan.,...,0x12=dec.
325	BEG.DATE N 5	Setting start date of the stop	QQ	Parameter	##	1	31	1	
326	BEG.MONTH N 5	Setting start month of the stop	MM	Parameter	enum	1	12	1	0x01=Jan.,...,0x12=dec.

327	END DATE N 5	Setting end date of the stop	QQ	Parameter	##	1	31	1	
328	END MONTH N 5	Setting end month of the stop	MM	Parameter	enum	1	12	1	0x01=Jan.,...,0x12=dec.
329	BEG.DATE N 6	Setting start date of the stop	QQ	Parameter	##	1	31	1	
330	BEG.MONTH N 6	Setting start month of the stop	MM	Parameter	enum	1	12	1	0x01=Jan.,...,0x12=dec.
331	END DATE N 6	Setting end date of the stop	QQ	Parameter	##	1	31	1	
332	END MONTH N 6	Setting end month of the stop	MM	Parameter	enum	1	12	1	0x01=Jan.,...,0x12=dec.
333	BEG.DATE N 7	Setting start date of the stop	QQ	Parameter	##	1	31	1	
334	BEG.MONTH N 7	Setting start month of the stop	MM	Parameter	enum	1	12	1	0x01=Jan.,...,0x12=dec.
335	END DATE N 7	Setting end date of the stop	QQ	Parameter	##	1	31	1	
336	END MONTH N 7	Setting end month of the stop	MM	Parameter	enum	1	12	1	0x01=Jan.,...,0x12=dec.
337	BEG.DATE N 8	Setting start date of the stop	QQ	Parameter	##	1	31	1	
338	BEG.MONTH N 8	Setting start month of the stop	MM	Parameter	enum	1	12	1	0x01=Jan.,...,0x12=dec.
339	END DATE N 8	Setting end date of the stop	QQ	Parameter	##	1	31	1	
340	END MONTH N 8	Setting end month of the stop	MM	Parameter	enum	1	12	1	0x01=Jan.,...,0x12=dec.
341	BEG.DATE N 9	Setting start date of the stop	QQ	Parameter	##	1	31	1	
342	BEG.MONTH N 9	Setting start month of the stop	MM	Parameter	enum	1	12	1	0x01=Jan.,...,0x12=dec.
343	END DATE N 9	Setting end date of the stop	QQ	Parameter	##	1	31	1	
344	END MONTH N 9	Setting end month of the stop	MM	Parameter	enum	1	12	1	0x01=Jan.,...,0x12=dec.
345	BEG.DATE N 10	Setting start date of the stop	QQ	Parameter	##	1	31	1	
346	BEG.MONTH N 10	Setting start month of the stop	MM	Parameter	enum	1	12	1	0x01=Jan.,...,0x12=dec.
347	END DATE N 10	Setting end date of the stop	QQ	Parameter	##	1	31	1	

348	END MONTH N 10	Setting end month of the stop	MM	Parameter	enum	1	12	1	0x01=Jan.,...,0x12=dec.
678	BOILER MAX	Maximum Boiler temperature	0.1°C	Parameter	##.# °C	200	950	10	MIT Maximum value equal 790
751	I.TEL	Action to be carried out after activation of the input TEL	1	Parameter	enum	0	16	1	0=ANTIFR., 1=TOR A, 2=TOR B, 3=TOR A+B, 4=TOR C, 5=TOR A+C, 6=TOR B+C, 7=TOR A+B+C, 8=TOR DHW, 9=TOR A+DHW, 10=TOR B+DHW, 11=TOR A+B+DHW, 12=TOR C+DHW, 13=TOR A+C+DHW, 14=TOR B+C+DHW, 16=TOR AUX MIT Maximal value:17 17=TOR EVU
752	CT.TEL	OPEN: Active if TEL. contact is opened CLOSE: Active if contact is close	1	Parameter	enum	0	1	1	0=Close, 1=Open
753	O.TEL	Choice of the event activating the phone output	1	Parameter	enum	0	2	1	0=DEFAULT, 1=REVISION, 2=DEF+REV
102	MEAN OUTSIDE T	Measure of the average outdoor temperature	0.1 °C	Measure	##.#°C	-500	1500	1	
601	OUTSIDE TEMP.	Measure of the outdoor sensor	0.1 C°	Measure	##.# °C	-500	1500	1	
305	MAX.VENT.	Maximum fan speed	rev/min	Measure	#### rpm	0	10000	100	Not in MIT
457	Boiler Type	Boiler Type	-	Measure	see Boiler Type	--	--	--	See Annexes for details
474	Primary Output States	Primary Output States	-	Measure	see IO	--	--	--	See Annexes for details
475	Secondary Output States	Secondary Output States	-	Measure	see IO	--	--	--	See Annexes for details
503	POWER %	Current boiler power	1	Measure	###%	0	100	1	Not in MIT
602	BOILER TEMP	Measurement of the flow sensor of the boiler	0.1 °C	Measure	##.# °C	-100	1500	1	
607	BACK TEMP	Measure of the return sensor	0,1°C	Measure	##.# °C	0	1500	1	
608	CURRENT	Measure of the ionization current	0,1uA	Measure	##.# uA	0	500	1	Not in MIT
609	SPEED FAN	Fan speed	rev/min	Measure	#### rpm	0	10000	1	Not in MIT

610	PRESSURE	Measure of the water pressure of the installation	0,1°Bar	Measure	##.# °bar	0	100	1	
620	CALC.T.BOILER	By the controller calculated water setpoint	0.1 °C	Measure	##.# °C	--	--	1	
629	TEMP MIT MEAN	Measure of the average flow sensor temperature (HP only)	0.1 C°	Measure	##.# °C	0	1500	1	MIT Only
634	IN 0-10V	Measure of the Voltage on the 0-10V Input	0,1V	Measure	##.# V	0	150	1	
644	Season operating mode	Summer or winter mode	1	Measure	enum	0	255	1	4=Summer, 5= Winter
707	HP States	Heat Pump States	-	Measure	see IO	--	--	--	MIT Only See Annexes for details
708	HP status operating mode	HP status	-	Measure	enum	--	--	--	MIT Only 0=Stop, 1=heating mode, 2=heating mode+comp, 4=Cooling mode, 5=Cooling mode+comp on
710	STATUS PCU	PCU STATE	-	Measure	--	--	--	--	
711	SUBSTATUS PCU	PCU SUBSTATE	-	Measure	--	--	--	--	
734	CALC T SYST	By the controller calculated system outlet setpoint	0,1°C	Measure	##.# °C	0	1500	1	
735	Boiler States	Boiler States	--	Measure	see IO	--	--	--	See Annexes for details

5 Cascade

Address	Label	Description	Units	Type	Format	Minimal Value	Maximal Value	Increment	Remarks
63	PERMUT	Choice of the leading generator AUTO: Switching of order every 7 day	-	Parameter	enum	0	10	1	0 = AUTO
103	STAGE	Stages operating	-	Parameter	#	0	20	1	
120	DHW STAGE	Stages operating in DHW mode	--	Parameter	##	0	20	1	0=boiler 1
733	Cascade temperature measure	Cascade Temperature measure	0.1 C°	Measure	##.# °C	0	1500	1	
474	Primary Output States	Primary Output States	-	Measure	see IO	--	--	--	See Annexes for details
475	Secondary Output States	Secondary Output States	-	Measure	see IO	--	--	--	See Annexes for details
735	Boiler States	Boiler States	--	Measure	see IO	--	--	--	See Annexes for details
64	PERMUT	Number of the current leading generator	-	Measure	#	1	10	1	
748	NB.CASC.	Recognized generators in the system	1	Measure	#	0	10	1	
749	NB.VM	Recognized VM	1	Measure	#	0	20	1	

6 Informations de service / Erreur

Address	Label	Description	Units	Type	Format	Minimal Value	Maximal Value	Increment	Remarks
787	ENERGY COUNTERS	Enable Energy counters function	1	Parameter	enum	0	1	1	Only GFS/OCM and MCAPRO
600	CTRL	Software version of the controler	--	Measure	####	0	9999	1	
465	Boiler failure	Boiler failure	-	Measure	see Failure	0	0xFFFF	1	See Annexes for details
500	FAILURE	NO: No default ON: Default present	-	Measure	enum	0	1	1	0: No failure / 1: Failure
712	BLOCKING PCU	Blocking Pcu	-	Measure	--	--	--	--	
713	LOCKING PCU	Locking Pcu	-	Measure	--	--	--	--	
507	NB IMPULS. (Unit)	Numbers of Burner starts (X1)	unites imp.	Measure	xxxx# imp.	0	9	1	
508	NB IMPULS. (decade)	Numbers of Burner starts (X10)	10 imp.	Measure	####x imp.	0	9999	1	
509	RUNTIME (Unit)	Burner operating hours (X1)	unites h.	Measure	xxxx# h	0	9	1	
510	RUNTIME (decade)	Burner operating hours (X10)	10 h	Measure	####x h	0	9999	1	
788	ELEC.ENERGY HEAT (MWh)	Consumption of electrical energy in heating mode	MWh	Measure	--	0	0xFFFF	1	
789	ELEC.ENERGY HEAT (kWh)	Consumption of electrical energy in heating mode	KWh	Measure	--	0	0xFFFF	1	
790	ELEC.ENERGY HEAT (Wh)	Consumption of electrical energy in heating mode	Wh	Measure	--	0	0xFFFF	1	
791	ELEC.ENERGY DHW (MWh)	Consumption of electrical energy in dhw mode	MWh	Measure	--	0	0xFFFF	1	
792	ELEC.ENERGY DHW (kWh)	Consumption of electrical energy in dhw mode	KWh	Measure	--	0	0xFFFF	1	
793	ELEC.ENERGY DHW (Wh)	Consumption of electrical energy in dhw mode	Wh	Measure	--	0	0xFFFF	1	
794	ELEC.ENERGY COOL (MWh)	Consumption of electrical energy in cooling mode	MWh	Measure	--	0	0xFFFF	1	
795	ELEC.ENERGY COOL (kWh)	Consumption of electrical energy in cooling mode	KWh	Measure	--	0	0xFFFF	1	

| 796 | ELEC.ENERGY COOL (Wh) | Consumption of electrical energy in cooling mode | Wh | Measure | -- | 0 | 0xFFFF | 1 | |

7   Solaire

Address	Label	Description	Units	Type	Format	Minimal Value	Maximal Value	Increment	Remarks
830	TEMP.SOL.TANK	Solar hot water temperature (TS)	--	Parameter	--	200	800	10	
832	REFERENCE DT	Delta T for the modulation of the solar pump (DT)	--	Parameter	--	100	200	1	
833	MAX.COLLECT.T.	Required collector temperature to start the solar pump (CX)	--	Parameter	--	1000	1250	10	
834	MAX.PUMP TIMER	Max time of the solar pump running at the start at 100% (tu)	--	Parameter	--	1	5	1	
835	MIN.PUMP SPEED	Minimum running of the solar pump (PN)	--	Parameter	--	50	100	5	
836	TUBE COLLECTOR	YES : Vacuum collector NO : other collector type	--	Parameter	--	0	1	1	
837	MAX. FLOW	Flow in l/min in the solar circuit	--	Parameter	--	0	200	1	
838	Manual mode	Manual mode	--	Parameter	--	0	1	1	
800	Resol Table Type	Resol Table Type	--	Measure	--	0	32767	1	
801	System description	System description	--	Measure	--	0	127	1	
802	Diemasol type	Diemasol type	--	Measure	--	1	255	1	
803	SOLAR.COLL.T.	Solar collector temperature (TC)	--	Measure	--	-400	2600	1	
806	TEMP.SOL.TANK	Solar hot water temperature (TS)	--	Measure	--	-400	2600	1	
811	PUMPR RATIO SUN	Current solar pump modulation rate	--	Measure	--	0	100	1	
813	SOLAR PROD. (MW)	Total used solar energy (MW)	--	Measure	--	0	32000	1	
814	SOLAR PROD. (KW)	Total used solar energy (KW)	--	Measure	--	0	999	1	
815	SOLAR PROD. (W)	Total used solar energy (W)	--	Measure	--	0	999	1	

| 816 | MCDB status | MCDB status | -- | Measure | -- | 0 | 2 | 1 | |
| 817 | Diemasol SW version | Diemasol SW version | -- | Measure | -- | 0 | 32000 | 1 | |

8 Réglages du système

Address	Label	Description	Units	Type	Format	Minimal Value	Maximal Value	Increment	Remarks
263	LANGUAGE	Language	-	Parameter	enum	0	8	1	0=French / 1=German / 2=English / 3=Italiano / 4=Spanish / 5=Netherland / 6=Polsky / 7=Turquish / 8=Russian
679	HOURS	Setting of the hour	h	Parameter	## h	0	23	1	
680	MINUTE	Setting of the minutes	mn	Parameter	## mn	0	59	1	
681	DAY	Setting of the day of the week	j	Parameter	enum	1	7	1	1=Monday,...,7=Sunday
682	DATE	Setting of the Current date	QQ	Parameter	##	1	31	1	
683	MONTH	Setting of the month	MM	Parameter	enum	1	12	1	1=January,...,12=December
684	YEAR	Setting of the year	AA	Parameter	##	14	99	1	

9 Liste d'erreurs

Adresse 465 Failure Code	I system Failure code			
	MCA /MCA PRO/GFS	C330	OCM	MIT
0x0000	D3:OUTL S.B FAIL.	D3:OUTL S.B FAIL.	D3:OUTL S.B FAIL.	D3:OUTL S.B FAIL.
0x0001	D4:OUTL S.C FAIL.	D4:OUTL S.C FAIL.	D4:OUTL S.C FAIL.	D4:OUTL S.C FAIL.
0x0002	D5:OUTSI.S.FAIL.	D5:OUTSI.S.FAIL.	D5:OUTSI.S.FAIL.	D5:OUTSI.S.FAIL.
0x0003	D7:SYST.SENS.FAIL.	D7:SYST.SENS.FAIL.	D7:SYST.SENS.FAIL.	D7:SYST.SENS.FAIL.
0x0004	D9:DHW S.FAILURE	D9:DHW S.FAILURE	D9:DHW S.FAILURE	D9:DHW S.FAILURE
0x0005	D11:ROOM S.A FAIL.	D11:ROOM S.A FAIL.	D11:ROOM S.A FAIL.	D11:ROOM S.A FAIL.
0x0006	D12:ROOM S.B FAIL.	D12:ROOM S.B FAIL.	D12:ROOM S.B FAIL.	D12:ROOM S.B FAIL.
0x0007	D13:ROOM S.C FAIL.	D13:ROOM S.C FAIL.	D13:ROOM S.C FAIL.	D13:ROOM S.C FAIL.
0x0008	D14:MC COM.FAIL	D14:MC COM.FAIL	D14:MC COM.FAIL	D14:MC COM.FAIL
0x0009	D15:ST.TANK S.FAIL	D15:ST.TANK S.FAIL	D15:ST.TANK S.FAIL	D15:ST.TANK S.FAIL
0x000A	D16:SWIM.P.B.S.FA	D16:SWIM.P.B.S.FA	D16:SWIM.P.B.S.FA	D16:SWIM.P.B.S.FA
0x000B	D16:SWIM.P.C.S.FA	D16:SWIM.P.C.S.FA	D16:SWIM.P.C.S.FA	D16:SWIM.P.C.S.FA
0x000C	D17:DHW 2 S.FAIL	D17:DHW 2 S.FAIL	D17:DHW 2 S.FAIL	D17:DHW 2 S.FAIL
0x000D	D27:PCU COM.FAIL	D27:PCU COM.FAIL	D27:PCU COM.FAIL	D27:PCU COM.FAIL
0x000E	Not Available	Not Available	Not Available	Not Available
0x000F	Not Available	Not Available	Not Available	Not Available
0x0010	Not Available	Not Available	Not Available	Not Available
0x0011	Not Available	Not Available	Not Available	Not Available
0x0012	D32:5 RESET:ON/OFF	D32:5 RESET:ON/OFF	D32:5 RESET:ON/OFF	D32:5 RESET:ON/OFF
0x0013	D37:TA-S SHORT-CIR	D37:TA-S SHORT-CIR	D37:TA-S SHORT-CIR	D37:TA-S SHORT-CIR
0x0014	D38:TA-S DISCONNEC	D38:TA-S DISCONNEC	D38:TA-S DISCONNEC	D38:TA-S DISCONNEC
0x0015	D39:TA-S FAILURE	D39:TA-S FAILURE	D39:TA-S FAILURE	D39:TA-S FAILURE
0x0016	D50:OTH COM.FAIL	D50:OTH COM.FAIL	D50:OTH COM.FAIL	D50:OTH COM.FAIL
0x0017	D51:DEF :SEE BOILER	D51:DEF :SEE BOILER	D51:DEF :SEE BOILER	D51:DEF :SEE BOILER
0x0018	D18:SOL.HW S.FAIL	D18:SOL.HW S.FAIL	D18:SOL.HW S.FAIL	D18:SOL.HW S.FAIL
0x0019	D19:SOL.COL.S.FAIL	D19:SOL.COL.S.FAIL	D19:SOL.COL.S.FAIL	D19:SOL.COL.S.FAIL
0x001A	D20:SOL COM.FAIL	D20:SOL COM.FAIL	D20:SOL COM.FAIL	D20:SOL COM.FAIL
0x001B	D99:DEF.BAD PCU	D99:DEF.BAD PCU	D99:DEF.BAD PCU	D99:DEF.BAD PCU
0x001C	D40:FAIL UNKNOWN	D40:FAIL UNKNOWN	D40:FAIL UNKNOWN	D40:FAIL UNKNOWN
0x001D	D254:FAIL UNKNOWN	D254:FAIL UNKNOWN	D254:FAIL UNKNOWN	D254:FAIL UNKNOWN
0x800		B0:PSU FAIL		
0x801		B1:PSU PARAM FAIL		

0x802		B2:EXCHAN.S.FAIL		
0x803		B3:EXCHAN.S.FAIL		
0x804		B4:EXCHAN.S.FAIL		
0x805		B5:STB EXCHANGE		
0x806		B6:BACK S.FAILURE		
0x807		B7:BACK S.FAILURE		
0x808		B8:BACK S.FAILURE		
0x809		B9:STB BACK		
0x80A		B10:DT.EXCH.BAC.FAIL		
0x80B		B11:DT.BAC.EXCH.FAIL		
0x80C		B12:STB OPEN		
0x80D		B14:BURNER FAILURE		
0x80E		B15:CCE.TST.FAIL		
0x80F		B16:PARASIT FLAME		
0x810		B17:VALVE FAIL		
0x811		B32:DEF.OUTLET S.		
0x812		B33:DEF.OUTLET S.		
0x813		B34:FAN FAILURE		
0x814		B35:BACK>BOIL FAIL		
0x815		B36:I-CURRENT FAIL		
0x816		B37:SU COM.FAIL		
0x817		B38:PCU COM.FAIL		
0x818		B39:BL OPEN FAIL		
0x819		B255:FAIL UNKNOWN		
0x81A		B254:FAIL UNKNOWN		
0x1000	PSU FAIL 00			
0x1001	PSU PARAM FAIL 01			
0x1002	DEF.OUTLET S. 02			
0x1003	DEF.OUTLET S. 03			
0x1004	DEF.OUTLET S. 04			
0x1005	STB OUTLET 05			
0x1006	BACK S.FAILURE 06			
0x1007	BACK S.FAILURE 07			
0x1008	BACK S.FAILURE 08			
0x1009	STB BACK 09			
0x100A	DT.DEP-RET<MIN 10			
0x100B	DT.DEP-RET>MAX 11			
0x100C	STB OPEN 12			

0x100D	BURNER FAILURE 14			
0x100E	PARASIT FLAME16			
0x100F	VALVE FAIL 17			
0x1010	FAN FAILURE 34			
0x1011	BACK>BOIL FAIL 35			
0x1012	I-CURRENT FAIL 36			
0x1013	SU COM.FAIL 37			
0x1014	PCU COM.FAIL 38			
0x1015	BL OPEN FAIL 39			
0x1016	TEST.HRU.FAIL 40			
0x1017	DEF.WATER MIS. 250			
0x1018	MANOMETRE FAIL 251			
0x1019	FAIL UNKNOWN 255			
0x101A	FAIL UNKNOWN 254			
0x1800			L0:PSU FAIL	
0x1801			L1:PSU PARAM FAIL	
0x1802			L2:STB OUTLET	
0x1803			L3:DEF.OIL.SENSOR	
0x1804			L4:BURNER FAILURE	
0x1805			L5:DEF.INTERNAL	
0x1806			L6:DEF.SPEED.MOT	
0x1807			L7:DEF.T.WARM UP	
0x1808			L8:DEF.PAR.FLAME	
0x1809			L9:OIL.PRES FAIL.	
0x180A			L30:SMOKE PRE.FAIL	
0x180B			L31:DEF.SMOKE.TEMP	
0x180C			L32:DEF.OUTLET S.	
0x180D			L33:DEF.OUTLET S.	
0x180E			L34:BACK S.FAILURE	
0x180F			L35:BACK S.FAILURE	
0x1810			L36:DEF.FLAME LOS	
0x1811			L37:SU COM.FAIL	
0x1812			L38:PCU COM.FAIL	
0x1813			L39:BL OPEN FAIL	
0x1814			L250:DEF.WATER MIS.	
0x1815			L251:MANOMETRE FAIL	
0x1816			L255:FAIL UNKNOWN	
0x1817			L254:FAIL UNKNOWN	

0x2000			L1: COMP.HP.FAIL
0x2001			L2: 4WV.HP.FAIL
0x2002			L3: HP PUMP FAIL.
0x2003			L4: HP OUT LIMIT
0x2004			L5: FLOW HP FAIL. 6
0x2005			L6: FLOW HP FAIL. 8
0x2006			L7: HP.COM.FAIL
0x2007			L8: HGAS S.HP FAIL
0x2008			L9: H.P. HP FAIL
0x2009			L10: L.P. HP FAIL
0x200A			L11: SOURCE PRES.F.
0x200B			L12: SOURCE ANTI.F
0x200C			L13: SOURCE P.FAIL.
0x200D			L14: COND. ANTI. F.
0x200E			L15: DEFROST FAIL.
0x200F			L16: MOT.PROT.FAIL.
0x2010			L17: HOTGAS S.FAIL
0x2011			L18: HP.COM.FAIL
0x2012			L19: HP FLOW S.FAIL
0x2013			L20: BACK S.HP FAI.
0x2014			L21: AIR IN S.FAIL
0x2015			L22: AIR OUT S.FAIL
0x2016			L23: GAS EXP.S.FAIL
0x2017			L24: EVA.S.HP FAIL
0x2018			L25: COND.S.HP FAIL
0x2019			L32:BL.USER.RESET
0x201A			L33: FAIL.FLOW
0x201B			L255: FAIL UNKNOWN
0x201C			L254: FAIL UNKNOWN
0xFFFF	**No Failure**		

10 Annexes

	Bit 15	Bit 14	Bit 13	Bit 12	Bit 11	Bit 10	Bit 9	Bit 8	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
Derogation A + Dhw	X	X	X	X	X	X	X	X	Circuit derog type 0=Only circ A 1=all circuit	Dhw derog type 0=7/7 1=until end Time Program	Circuit derog type 0=7/7 1=until end Time Program	Dhw	Auto	Day	Night	Antifreeze
Derogation B + Dhw	X	X	X	X	X	X	X	X	Circuit derog type 0=Only circ B 1=all circuit	Dhw derog type 0=7/7 1=until end Time Program	Circuit derog type 0=7/7 1=until end Time Program	Dhw	Auto	Day	Night	Antifreeze
Derogation C + Dhw	X	X	X	X	X	X	X	X	Circuit derog type 0=Only circ C 1=all circuit	Dhw derog type 0=7/7 1=until end Time Program	Circuit derog type 0=7/7 1=until end Time Program	Dhw	Auto	Day	Night	Antifreeze
Primary output state	X	X	X	X	X	X	X	X	X	X	X	Boiler pump	Hydraulic valve close	Hydraulic valve open	Burner 1.2	Burner 1.1
Secondary output state	X	X	Phone output	X	X	Aux pump on	Circ C 3WV close	Circ C 3WV open	Circ C pump on	Circ B 3WV close	Circ B 3WV open	Circ B pump on	X	X	Circ A Pump on	Dhw pump on
Boiler states	Cascade failure	X	X	X	X	X	X	X	X	X	Max output power	Burner on	Secondary pump	3WV Circuit off	Direct circuit off	X
HP states	Compressor	X	X	Backup 1	Backup 2	X	X	HP pump	X	X	Boiler backup	Boiler Pump backup	X	X	Defrosting	X

	Boiler Type		
0	3-25LP	26	
1	3-15LP	27	
2	3-25SOLO	28	
3	3-25K	29	
4	3-15SOLO	30	MC 35 E
5	3-E25LP	31	MC 45
6	DOMOLIGHT	32	MC 65
7	3-35	33	MC 90
8	3-50	34	C210
9	3-25 BIC	35	C310
10	3-15ECO	36	C610
11	3-25ECO	37	C230
12	3-35ECO	38	
13	3-50ECO	39	
14	3-65ECO	40	Robur HP
15		41	
16		42	
17		43	
18		44	
19		45	
20	Diematic 3	46	
21	Diematic m2	47	
22	Diematic m3	48	
23	MIT	49	
24	D4	50	
25	MB/OT interface		

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