fr

ADVANCE

Liste des paramètres DIEMATIC M3 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 M3 :

- C230
- M3-GT

Le type de données Read/Write peut être lu et écrit.

Le type de données Read 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 a C230 and m3-GT appliance
03 (03 hex)	Illegal Data Value	BMS set value on word address out of range to a C230 and m3-GT appliance
04 (04 hex)	Slave Device Failure	Writing a word address is in process. It is not finished yet on a C230 and m3-GT appliance
10 (0A hex)	Gateway Path Unavailable	C230 and m3-GT 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 C230 and m3-GT 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)
    - Réponse d'écriture OK
- Demande de lecture (périphérique 10, adresse de début 300, nombre de mots à écrire 1)
    - 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)
    - 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)
    - 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)
    - 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 Exemple 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
298	MIN.CIRC.A	Minimum temperature of the circuit A	0.1 °C	Read/Write	##.# °C	100	500	50	
299	MAX.CIRC.A	Maximum temperature of the circuit A	0.1 °C	Read/Write	##.# °C	200	1200	50	
650	DAY TEMP.A	Wished room temperature in comfort period of the circuit A	0.1 C°	Read/Write	##.# °C	100	300	5	Maximal value equal 900 if configured in Dhw and increment equal 10
651	NIGHT TEMP.A	Wished room temperature in reduced period of the circuit A	0.1 C°	Read/Write	##.# °C	50	300	5	Maximal value equal 900 if configured in Dhw and increment equal 10
652	ANTIFR.ROOM A	Minimal authorized room temperature	0.1 C°	Read/Write	##.# °C	30	200	5	
653	DEROGATION A+DHW	Derogation circuit A+DHW	--	Read/Write	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	Read/Write	#.#	0	40	1	
296	CIRC.A	Circuit A type	-	Read/Write	--	0	5	1	0= DISAB., 1= DIRECT,2=3WV, 3= DIRECT+,4=3WV+,5= SWIM.
72	HYSTERESIS A	Hysteresis A	0.1K	Read/Write	##.# K	40	100	10	
282	ANTICIP.A	Activation and adjustment of the anticipation time	0.1DH	Read/Write	#.#dh	0	101	1	(101=NO)
126	MONDAY	Time Program P4 Circuit A	1/2 hour/bit	Read/Write	#	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 to20h
127	MONDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
128	MONDAY		1/2 hour/bit	Read/Write	#	0	65535	1	

129	TUESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
130	TUESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
131	TUESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
132	WEDNESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
133	WEDNESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
134	WEDNESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
135	THURSDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
136	THURSDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
137	THURSDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
138	FRIDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
139	FRIDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
140	FRIDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
141	SATURDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
142	SATURDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
143	SATURDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
144	SUNDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
145	SUNDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
146	SUNDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
231	CURRENT PROG.A	Choice of the time program applied (P1-P4) Circ A	--	Read/Write	#	0	3	1	0=P1,...,3=P4
621	OUTLET TEMP.A	Read of the outlet temperature Circ A	0.1 °C	Read	##.# °C	0	1500	1	

614	ROOMTEMP.A	Read of the room sensor circuit A	0.1 °C	Read	##.# °C	0	400	1	0XFFFF if not available
615	CALCULATED T.A	By the controller calculated outlet setpoint Circ A	0.1 C°	Read	##.# °C	--	--	1	
738	DECAL.// DEP.A	DECAL.// DEP.A	## K	Read	--	0	500	10	

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°	Read/Write	##.# °C	100	300	50	
663	MAX.CIRC.B	Maximum temperature of the circuit B	0.1 C°	Read/Write	##.# °C	500	950	50	
656	DAY TEMP.B	Wished room temperature in comfort period of the circuit B	0.1 C°	Read/Write	##.# °C	100	300	5	Maximal value equal 900 if configured in Dhw and increment equal 10
657	NIGHT TEMP.B	Wished room temperature in reduced period of the circuit B	0.1 C°	Read/Write	##.# °C	50	300	5	Maximal value equal 900 if configured in Dhw and increment equal 10
658	ANTIFR.ROOM B	Minimal authorized room temperature	0.1 C°	Read/Write	##.# °C	30	200	5	
659	DEROGATION B+DHW	Derogation circuit B+DHW	--	Read/Write	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	Read/Write	#.#	0	40	1	
297	CIRC.B	Circuit B type	-	Read/Write	--	1	5	1	0= DISAB., 1= DIRECT,2=3WV, 3= DIRECT+,4=3WV+,5= SWIM.
283	ANTICIP.B	Activation and adjustment of the anticipation time	0.1DH	Read/Write	#.#dh	0	101	1	(101=NO)
147	MONDAY	Time Program P4 Circuit B	1/2 hour/bit	Read/Write	#	0	65535	1	Bar-graph from 0h to 24h Ex: Monday circ.B : 0x0003 0xFFFF 0xFF00 -> Night from 0h to 7h Night from 20h to 24h, Day from 7h to20h
148	MONDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
149	MONDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
150	TUESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
151	TUESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
152	TUESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
153	WEDNESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
154	WEDNESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	

155	WEDNESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
156	THURSDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
157	THURSDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
158	THURSDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
159	FRIDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
160	FRIDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
161	FRIDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
162	SATURDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
163	SATURDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
164	SATURDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
165	SUNDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
166	SUNDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
167	SUNDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
232	CURRENT PROG.B	Choice of the time program applied (P1-P4) Circ B	--	Read/Write	#	0	3	1	0=P1,...,3=P4
605	OUTLET TEMP.B	Read of the mixing circuit departure sensor	0.1 °C	Read	##.# °C	0	1500	1	
616	ROOMTEMP.B	Read of the room sensor circuit B	0.1 °C	Read	##.# °C	0	400	1	0XFFFF if not available
617	CALCULATED T.B	By the controller calculated outlet setpoint Circ B	0.1 C°	Read	##.# °C	0	--	1	
739	DECAL.// DEP.B	DECAL.// DEP.B	## K	Read	--	0	500	10	

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°	Read/Write	##.# °C	100	300	50	
671	MAX.CIRC.C	Maximum temperature of the circuit C	0.1 C°	Read/Write	##.# °C	500	950	50	
664	DAY TEMP.C	Wished room temperature in comfort period of the circuit C	0.1 C°	Read/Write	##.# °C	100	300	5	Maximal value equal 900 if configured in Dhw and increment equal 10
665	NIGHT TEMP.C	Wished room temperature in reduced period of the circuit C	0.1 C°	Read/Write	##.# °C	50	300	5	Maximal value equal 900 if configured in Dhw and increment equal 10
666	ANTIFR.ROOM C	Minimal authorized room temperature	0.1 C°	Read/Write	##.# °C	30	200	5	
667	DEROGATION C+DHW	Derogation circuit C+DHW	--	Read/Write	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	Read/Write	#.#	0	40	1	
360	CIRC.C	Circuit C type	-	Read/Write	--	1	5	1	0= DISAB., 1= DIRECT,2=3WV, 3= DIRECT+,4=3WV+,5= SWIM.
284	ANTICIP.C	Activation and adjustment of the anticipation time	0.1DH	Read/Write	#.#dh	0	101	1	(101=NO)
168	MONDAY	Time Program P4 Circuit C	1/2 hour/bit	Read/Write	#	0	65535	1	Bar-graph from 0h to 24h Ex: Monday circ.B : 0x0003 0xFFFF 0xFF00 -> Night from 0h to 7h, Night from 20h to 24h, Day from 7h to20h
169	MONDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
170	MONDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
171	TUESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
172	TUESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
173	TUESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
174	WEDNESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
175	WEDNESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	

176	WEDNESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
177	THURSDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
178	THURSDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
179	THURSDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
180	FRIDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
181	FRIDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
182	FRIDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
183	SATURDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
184	SATURDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
185	SATURDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
186	SUNDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
187	SUNDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
188	SUNDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
233	CURRENT PROG.C	Choice of the time program applied (P1-P4) Circ C	--	Read/Write	#	0	3	1	0=P1,...,3=P4
606	OUTLET TEMP.C	Read of the mixing circuit departure sensor	0.1 °C	Read	##.# °C	0	1500	1	
618	ROOMTEMP.C	Read of the room sensor circuit C	0.1 °C	Read	##.# °C	0	400	1	0XFFFF if not available
619	CALCULATED T.C	By the controller calculated outlet setpoint Circ C	0.1 C°	Read	##.# °C	--	--	1	
740	DECAL.// DEP.C	DECAL.// DEP.C	## K	Read	--	0	500	10	

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
672	WATER T.DAY	Wished domestic day hot water temperature	0.1 C°	Read/Write	##.# °C	100	800	10	
673	WATER T.NIGHT	Wished domestic night hot water temperature	0.1 C°	Read/Write	##.# °C	100	800	10	
674	PRIORITY DHW	Choice of DHW Priority	--	Read/Write	enum	0	2	1	0=TOTAL,1=SLIDING,2=NO
61	DHW.PUMP DELAY	Delay before stop of the hot water pump	mn	Read/Write	## mn	0	15	1	
268	LEG PROTEC	Configuration of the legionella protection	-	Read/Write	enum	0	2	1	0=NO , 1=Daily , 2= weekly
189	MONDAY	Time Program Circuit DWH	1/2 hour/bit	Read/Write	#	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 to20h
190	MONDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
191	MONDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
192	TUESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
193	TUESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
194	TUESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
195	WEDNESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
196	WEDNESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	

197	WEDNESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
198	THURSDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
199	THURSDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
200	THURSDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
201	FRIDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
202	FRIDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
203	FRIDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
204	SATURDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
205	SATURDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
206	SATURDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
207	SUNDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
208	SUNDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
209	SUNDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
603	DHW TEMP.	Read of domestic hot water sensor	0.1 C°	Read	##.# °C	0	1500	1	

3.2 Circuit auxiliaire

Address	Label	Description	Units	Type	Format	Minimal Value	Maximal Value	Increment	Remarks
741	E.AUX 1	AUX 1 Input Function	--	Read/Write	--	2	7	1	2=disable , 3=TAM A , 4=TAM B , 5=TAM C , 6=TAM AUX , 7=CASCADE SENSOR For M3-GT: Minimal value: 0 Maximal value: 4 0=disable , 1=TAM A , 2=TAM B , 3=TAM C , 4=TAM AUX
742	E.AUX 2	AUX 2 Input Function	--	Read/Write	--	2	7	1	
743	E.AUX 3	AUX 3 Input Function	--	Read/Write	--	2	7	1	
744	S.AUX 1	Circuit AUX 1 type	1	Read/Write	--	0	4	1	0=PROGRAM,1= PRIM.P,2=VM PUMP,3=DHW LO.,4=FAILURE
745	S.AUX 2	Circuit AUX 2 type	1	Read/Write	--	0	4	1	0= PRIM.P,1= VM PUMP,2= DHW LO.,3= DHW LO.2,4=FAILURE
746	S.AUX 3	Circuit AUX 3 type	1	Read/Write	--	0	4	1	0= PRIM.P,1= VM PUMP,2= DHW LO.,3= DHW LO.2,4=FAILURE
210	MONDAY	Time Program Circuit AUX	1/2 hour/bit	Read/Write	#	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 to20h
211	MONDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
212	MONDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
213	TUESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
214	TUESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
215	TUESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
216	WEDNESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
217	WEDNESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
218	WEDNESDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
219	THURSDAY		1/2 hour/bit	Read/Write	#	0	65535	1	

220	THURSDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
221	THURSDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
222	FRIDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
223	FRIDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
224	FRIDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
225	SATURDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
226	SATURDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
227	SATURDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
228	SUNDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
229	SUNDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
230	SUNDAY		1/2 hour/bit	Read/Write	#	0	65535	1	
622	AUX1.TEMP	AUX1 Temperature	0.1 C°	Read	##.# °C	0	1500	1	
623	AUX2.TEMP	AUX2 Temperature	0.1 C°	Read	##.# °C	0	1500	1	
624	UNIV.TEMP	AUX3 Temperature	0.1 C°	Read	##.# °C	0	1500	1	

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°	Read/Write	##.#°C	150	305	5	
9	OUT.ANTIFREEZE	Outdoor temperature activating the installation antifreeze	0.1 C°	Read/Write	##.# °C	-80	100	10	Only the positive value is valid in writing mode
10	NIGHT	Night reduced or frost-free operating mode	--	Read/Write	enum	0	1	1	0=STOP / 1=DECREASE
11	H.PUMP DELAY	Delay before stop of the heating pump	mn	Read/Write	## mn	0	15	1	
272	TIMER GENE P.	Minimum post operating time of the generator pump	mn	Read/Write	## mn	1	30	1	
264	BUILD.INERTIA	Inertia of the building	-	Read/Write	##	0	10	1	
266	BAND WIDTH	Bandwidth of the 3 way valve	0.1K	Read/Write	##.# K	40	160	10	
269	BURN.MIN.RUN	Minimum operating time of the burner	min	Read/Write	##mn	0	4	1	
271	BURNER DELAY	Burner Delay	min	Read/Write	##mn	1	10	1	
235	STOP N 1	Selection of the circuit stopped	-	Read/Write	enum	0	9	1	0=NO, ALL, ABC, AB, BC, AB+E, BC+E,A,B,C
236	STOP N 2		-	Read/Write	enum	0	9	1	
237	STOP N 3		-	Read/Write	enum	0	9	1	
238	STOP N 4		-	Read/Write	enum	0	9	1	
239	STOP N 5		-	Read/Write	enum	0	9	1	
240	STOP N 6		-	Read/Write	enum	0	9	1	
241	STOP N 7		-	Read/Write	enum	0	9	1	
242	STOP N 8		-	Read/Write	enum	0	9	1	
243	STOP N 9		-	Read/Write	enum	0	9	1	

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

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

343	END DATE N 9	Setting end date of the stop	QQ	Read/Write	##	1	31	1	
344	END MONTH N 9	Setting end month of the stop	MM	Read/Write	enum	1	12	1	0x01=Jan.,...,0x12=dec.
345	BEG.DATE N 10	Setting start date of the stop	QQ	Read/Write	##	1	31	1	
346	BEG.MONTH N 10	Setting start month of the stop	MM	Read/Write	enum	1	12	1	0x01=Jan.,...,0x12=dec.
347	END DATE N 10	Setting end date of the stop	QQ	Read/Write	##	1	31	1	
348	END MONTH N 10	Setting end month of the stop	MM	Read/Write	enum	1	12	1	0x01=Jan.,...,0x12=dec.
678	BOILER MAX	Maximum Boiler temperature	0.1°C	Read/Write	##.# °C	500	1200	50	
102	MEAN OUTSIDE T	Read of the average outdoor temperature	0.1 °C	Read	##.#°C	-500	1500	1	
601	OUTSIDE TEMP.	Read of the outdoor sensor	0.1 C°	Read	##.# °C	-500	1500	1	
305	MAX.R.HEAT(%)	Power Maximum in heating	%	Read	###%	0	100	1	Only with C230
457	Boiler Type	Boiler Type	-	Read	see Boiler Type	--	--	--	See Annexes for details
474	Primary Output States	Primary Output States	-	Read	see IO	--	--	--	See Annexes for details
475	Secondary Output States	Secondary Output States	-	Read	see IO	--	--	--	See Annexes for details
503	POWER %	Current boiler power	1	Read	###%	0	100	1	
602	BOILER TEMP	Readment of the flow sensor of the boiler	0.1 °C	Read	##.# °C	-100	1500	1	
607	BACK TEMP	Read of the return sensor	0,1°C	Read	##.# °C	0	1500	1	
608	CURRENT	Read of the ionization current	0,1uA	Read	##.# uA	0	500	1	Only with C230
609	SPEED FAN	Fan speed	rev/min	Read	#### rpm	0	10000	1	Only with C230
625	TEMP.EXCHANGE	Heat Exchanger temperature	0.1 °C	Read	##.# °C	0	1500	1	Only with C230
604	SMOKE TEMP.	Flue gas temperature	0.1 °C	Read	##.# °C	0	500	1	Only with M3-GT
620	CALC.T. BOILER	By the controller calculated water setpoint	0.1 °C	Read	##.# °C	--	--	1	

734	Secondary calculated setpoint	secondary calculated setpoint	0,1°C	Read	##.# °C	0	1500	1	
735	Boiler States	Boiler States	--	Read	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	-	Read/Write	enum	0	10	1	0 = AUTO
103	STAGE	Stages operating	-	Read/Write	#	0	6	1	
120	DHW STAGE	Stages operating in DHW mode	--	Read/Write	##	0	20	1	0=boiler 1
733	CASCADE TEMP.	Cascade Temperature Read	0.1 C°	Read	##.# °C	0	1500	1	
474	Primary Output States	Primary Output States	-	Read	see IO	--	--	--	See Annexes for details
475	Secondary Output States	Secondary Output States	-	Read	see IO	--	--	--	See Annexes for details
735	Boiler States	Boiler States	--	Read	see IO	--	--	--	See Annexes for details
64	PERMUT	Number of the current leading generator	-	Read	#	1	10	1	
748	NB.CASC.	Recognized generators in the system	1	Read	#	0	10	1	
749	NB.VM	Recognized VM	1	Read	#	0	20	1	

6 Informations de service / Erreur

Address	Label	Description	Units	Type	Format	Minimal Value	Maximal Value	Increment	Remarks
600	CTRL	Software version of the controler	--	Read	####	0	9999	1	
465	Boiler failure	Boiler failure	-	Read	see Failure	0	0xFFFF	1	See Error list for details
77	NB IMPULS. 1	Numbers of Burner starts (X10)	10 imp.	Read	####x imp.	0	9999	1	
78	RUNTIME 1	Burner operating hours (X10)	10 h	Read	####x h	0	9999	1	
79	NB IMPULS. 2	Numbers of Burner starts (X10) Stage 2	10 imp.	Read	####x imp.	0	9999	1	
80	RUNTIME 2	Burner operating hours (X10) Stage 2	10 h	Read	####x h	0	9999	1	
251	NB IMPULS. 1	Numbers of Burner starts (X1)	unités imp.	Read	####x imp.	0	9	1	
252	RUNTIME 1	Burner operating hours (X1)	unités h	Read	####x h	0	9	1	
253	NB IMPULS. 2	Numbers of Burner starts (X1) Stage 2	unités imp.	Read	####x imp.	0	9	1	
254	RUNTIME 2	Burner operating hours (X1) Stage 2	unités h	Read	####x h	0	9	1	

7 Solaire

Address	Label	Description	Units	Type	Format	Minimal Value	Maximal Value	Increment	Remarks
611	SUN.TEMP	Solar temperature	0,1°C	Read	##.# °C	-500	1500	1	
612	SUN DHW TEMP.	Solar hot water temperature	0,1°C	Read	##.# °C	0	1500	1	

8 Réglages du système

Address	Label	Description	Units	Type	Format	Minimal Value	Maximal Value	Increment	Remarks
263	LANGUAGE	Language	-	Read/Write	enum	0	9	1	0=French / 1=German / 2=English / 3=Polsky / 4=Italiano / 5=Spanish / 6=Netherland / 7=Russian / 8=Turquish / 9=Cesky
679	HOURS	Setting of the hour	h	Read/Write	## h	0	23	1	
680	MINUTE	Setting of the minutes	mn	Read/Write	## mn	0	59	1	
681	DAY	Setting of the day of the week	j	Read/Write	enum	1	7	1	1=Monday,...,7=Sunday
682	DATE	Setting of the Current date	QQ	Read/Write	##	1	31	1	
683	MONTH	Setting of the month	MM	Read/Write	enum	1	12	1	1=January,...,12=December
684	YEAR	Setting of the year	AA	Read/Write	##	1	99	1	

9 Liste d'erreurs

Adresse 465 Failure Code	M3-GT	C230
0x0000	D3:OUTL S.B FAIL.	NO FAILURE
0x0001	D4:OUTL S.C FAIL.	BOILER S.FAIL.
0x0002	D5:OUTSI.S.FAIL.	OUTL S.A FAIL.
0x0003	D7:SYST.SENS.FAIL.	OUTL S.B FAIL.
0x0004	D9:DHW S.FAILURE	OUTL S.C FAIL.
0x0005	D11:ROOM S.A FAIL.	OUTSI. S.FAIL.
0x0006	D12:ROOM S.B FAIL.	SMOKE S. FAIL.
0x0007	D13:ROOM S.C FAIL.	AUX. F. DEFEKT
0x0008	D14:MC COM.FAIL	Not used
0x0009	D15:ST.TANK S.FAIL	DHW S. FAILURE
0x000A	D16:SWIM.P.B.S.FA	BACK S.FAILURE
0x000B	D16:SWIM.P.C.S.FA	ROOM S.A FAIL.
0x000C	D17:DHW 2 S.FAIL	ROOM S.B FAIL.
0x000D	D27:PCU COM.FAIL	ROOM S.C FAIL.
0x000E	Not Available	SOLAR S. FAIL
0x000F	Not Available	ST.TANK S.FAIL
0x0010	Not Available	SWIM.P.A S.FAIL
0x0011	Not Available	DHW 2 S. FAIL
0x0012	D32:5 RESET:ON/OFF	CDI.A COM.FAIL
0x0013	D37:TA-S SHORT-CIR	CDI.B COM.FAIL
0x0014	D38:TA-S DISCONNEC	CDI.C COM.FAIL
0x0015	D39:TA-S FAILURE	Not used
0x0016	D50:OTH COM.FAIL	Not used
0x0017	D51:DEF :SEE BOILER	Not used
0x0018	D18:SOL.HW S.FAIL	Not used
0x0019	D19:SOL.COL.S.FAIL	Not used
0x001A	D20:SOL COM.FAIL	Not used
0x001B	D99:DEF.BAD PCU	I-CURRENT FAIL
0x001C	D40:FAIL UNKNOWN	BURNER FAILURE
0x001D	D254:FAIL UNKNOWN	PARASIT FLAME
0x001E		STB BOILER
0x001F		STB BACK
0x0020		VALVE FAIL

0x0021		Not used
0x0022		PCU BLOCKING
0x0023		EXCHAN.S.FAIL
0x0024		STB EXCHANGE
0x0025		TA-S SHORT-CIR
0x0026		TA-S DISCONNEC
0x0027		TA-S FAILURE
0x0028		MC COM.FAIL
0x0029		AUX2.SENS.FAIL
0x002A		UNIV.SENS.FAIL
0x002B		SWIM.P.B S.FAIL
0x002C		SWIM.P.C S.FAIL
0x002D		PCU COM. FAIL
0x002E		LOCKING
0x002F		PSU FAIL
0x0030		PSU PARAM FAIL
0x0031		CCE TEST FAIL
0x0032		FAN FAILURE
0x0033		SMOKE.P.FAIL
0x0034		SU COM.FAIL
0x0035		PCU-M3 COM.FAIL
0x0036		CS OPEN FAIL
0x0037		EXCH-BACK<MIN
0x0038		EXCH-BACK>MAX
0x0039		BACK>BOIL FAIL
0x003A		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	
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	0	0	Circuit derog type 0=7/7 1=until end Time Program	0	Auto	Day	Night	Antifreeze
Derogation B + Dhw	X	X	X	X	X	X	X	X	0	0	Circuit derog type 0=7/7 1=until end Time Program	0	Auto	Day	Night	Antifreeze
Derogation C + Dhw	X	X	X	X	X	X	X	X	0	0	Circuit derog type 0=7/7 1=until end Time Program	0	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	Aux 3 Pump On	Aux 2 Pump On	Aux 1 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	Circ A 3WV Close	Circ A 3WV Open	Circ A Pump on	Dhw pump on
Boiler states	Cascade failure	X	X	X	X	X	X	X	X	X	X	X	Secondary pump	3WV Circuit off	Direct circuit off	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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