



MODBUS PARAMETERS (DOMEQ - FLEKXO - IDEO 450)

REGISTER NUMBER	DESCRIPTION	DATA TYPE	Read / Write	BY DEFAULT	COMMENTS
DISCRETES INPUT					
1	VERSION	0	STANDARD+ABSENCE	R	SELECTED VERSION
		1	ALLEMAGNE+STANDBY		
2	FREE CONTACT	0	NO	R	NO-NORMALLY OPEN - NC-NORMALLY CLOSED
		1	NC		
5	DEFROST MODE	0	DESACTIVED	R	
		1	ACTIVED		
6	EXTRACT MOTOR STATE	0	OK	R	
		1	ERROR		
7	IMPUL MOTOR STATE	0	OK	R	
		1	ERROR		
10	INSIDE TEMPERATURE SENSOR STATE (Tint)	0	OK	R	
		1	ERROR		
11	OUTSIDE TEMPERATURE SENSOR STATE (Tout)	0	OK	R	
		1	ERROR		
12	EXTRACT TEMPERATURE SENSOR STATE (Text)	0	OK	R	
		1	ERROR		
13	IMPUL TEMPERATURE SENSOR STATE(Timp)	0	OK	R	
		1	ERROR		
14	ALARM FILTERS STATE	0	OFF	R	
		1	ON		

REGISTER NUMBER	DESCRIPTION	DATA TYPE	Read / Write	BY DEFAULT	COMMENTS
COILS					
2	PRE-HEATING BATTERY	0	NOT INSTALLED	R/W	0
		1	INSTALLED		
3	POST-HEATING BATTERY	0	NOT INSTALLED	R/W	0
		1	INSTALLED		
4	SENSE OF SWITCH	0	NO	R/W	0
		1	NC		
6	SELECTION OF VERSION	0	STANDARD+ABSENCE	R/W	0
		1	ALLEMAGNE+STANDBY		
7	ACTIVATION MODE STANBY/ABSENCE	0	STANBY/ABSENCE ON	R/W	0
		1	STANBY/ABSENCE OFF		
8	BYPASS AUTO CONTROL	0	ACTIVED	R/W	0
		1	DESACTIVED		
9	MANUAL BYPASS	0	DESACTIVED	R/W	0
		1	ACTIVED		
12	RESET FILTER ALARM	0	ACTIVED	W	
		1	ERROR RESET		
13	RESET FACTORY PARAMETERS	0	ACTIVED	W	
		1	ERROR		

REGISTER NUMBER	DESCRIPTION	DATA TYPE	Read / Write	BY DEFAULT	COMMENTS
INPUT REGISTERS					
6	SOFTWARE VERSION MAIN ELECTRONIC	0-999	SOFTWARE VERSION	R	
7	SOFTWARE VERSION REMOTE CONTROL	0-999	SOFTWARE VERSION	R	
8	SOFTWARE VERSION PROGRAMMATION UNIT	0-999	SOFTWARE VERSION	R	
9	TYPE OF HEAT RECOVERY	0	D2EC: DOMEQ 210 FL	R	HEAT RECOVERY UNITS WITH THE SAME ELECTRONIC BOARD
		1	D2HU: DOMEQ 210 + HYGRD SENSOR		
		2	D2FL: DOMEQ 210 CONSTANT AIRFLOW FL		
		3	D2RF: DOMEQ 210 CONSTANT AIRFLOW RADIO		
		4	DHY: DOMEQ HYGRD		
		5	F2FL: FLEKXO 210 FL		
		6	F3FL: FLEKXO 325 FL		
		7	F2RF: FLEKXO 210 CONSTANT AIRFLOW RADIO		
		8	F3RF: FLEKXO 325 CONSTANT AIRFLOW RADIO		
		9	C3O: CAD HE MINI/IDEO 300 CONSTANT AIRFLOW		
		10	C4O: CAD HE MINI/IDEO 450 CONSTANT AIRFLOW		
		11	C3P: CAD HE MINI/IDEO 300 CONSTANT PRESSURE		
		12	C4P: CAD HE MINI/IDEO 450 CONSTANT PRESSURE		
		13	C3C: CAD HE MINI/IDEO 300 CONSTANT SPEED		
14	C4C: CAD HE MINI/IDEO 450 CONSTANT SPEED				
10	TYPE OF CONTROL	0	CONSTANT PRESSURE	R	
		1	CONSTANT AIRFLOW		
		2	CONSTANT SPEED		
		3	PROPORTIONAL BY HUMIDITY		
		4	PROPORTIONAL BY 0-10V		
		5	SWITCH (ON/OFF)		
12	DEPHASAGE DES DEBITS	%	(POSITIVE OR NEGATIVE)	R	
13	LOW AIRFLOW	M ³ /H OR L/S		R	
14	TEMPORIZED BOOST	M ³ /H OR L/S		R	
15	PRE COOLING	M ³ /H OR L/S		R	
16	CURRENT AIRFLOW	M ³ /H OR L/S		R	
17	POWER 0-10V	0-10000	mW	R	
19	EXTRACT MOTOR SPEED	0-3500	RPM	R	
20	INPUT MOTOR SPEED	0-3500	RPM	R	
21	TEMPERATURE Tint	-30°C / +50°C	INSIDE TEMPERATURE (°C)	R	
22	TEMPERATURE Tout	-30°C / +50°C	OUTSIDE TEMPERATURE (°C)	R	
23	TEMPERATURE Text	-30°C / +50°C	EXTRACT TEMPERATURE (°C)	R	
24	TEMPERATURE Timp	-30°C / +50°C	INPUT TEMPERATURE (°C)	R	
25	STATE OF BYPASS	0	DESACTIVED	R	
		1	ACTIVED		
		2	ERROR		
26	STATE OF PRE-HEATING BATTERY	0	OFF	R	
		1	ON		
		2	ERROR		
27	STATE OF POST-HEATING BATTERY	0	OFF	R	
		1	ON		
		2	ERROR		
36	FILTER ALARM	1-24	MONTH	R	
37	TEMPERATURE Tint PRE-HEATING BATTERY	-30.0 / +50.0	INCOMING TEMPERATURE PRE-HEATING BATTERY (°C)	R	
38	TEMPERATURE Tout PRE-HEATING BATTERY	-30.0 / +50.0	OUTPUT TEMPERATURE PRE-HEATING BATTERY (°C)	R	
39	TEMPERATURE Tint POST-HEATING BATTERY	-30.0 / +50.0	INCOMING TEMPERATURE POST-HEATING BATTERY (°C)	R	
40	TEMPERATURE Tout POST-HEATING BATTERY	-30.0 / +50.0	OUTPUT TEMPERATURE POST-HEATING BATTERY (°C)	R	

REGISTER NUMBER	DESCRIPTION	DATA TYPE	Read / Write	BY DEFAULT	COMMENTS	
0	MODBUS NETWORK NUDE	1-247		R/W	1	AFTER MODIFICATION, TO CONFIRM SWITCH OFF AND SWITCH ON THE MACHINE.
1	MODBUS NETWORK BAUDRATE	5	4800	R/W	19200	
		6	9600			
		8	19200			
		10	38400			
		10	38400			
8	UNBALANCE AIRFLOW SELECTION	-15 / +15	STEP OF 1%	R/W	0	
9	LOW AIRFLOW SETTING	60 / 150	M ³ /H	R/W		
10	TEMPORIZED 1/2H BOOST AIRFLOW SETTING	120 / 210	M ³ /H	R/W		
11	FREECOOLING AIRFLOW SETTING	120 / 210	M ³ /H	R/W		
15	AIRFLOW SET	0	LOW	R/W	0	
		1	MEDIUM (GERMAN VERSION)/BOOST (STANDARD VERSION)			
		2	HIGH (GERMAN VERSION)			
16	MINIMUM SET 0-10V	60 / [Maximum set 0-10V]-5m3/h		R/W	60	
17	MAXIMUM SETTING 0-10V	[Minimum set 0-10V]-5m3/h / 210		R/W	210	SELECTABLE ONLY WHEN THE GERMAN VERSION IS ACTIVATED.
22	BYPASS AUTO: Text MINI	11 / 30	°C	R/W	12	
23	BYPASS AUTO: Tint MINI	21 / 30	°C	R/W	24	
24	TIMER MANUAL BYPASS	1-24	HOURS	R/W	8	
25	PRE-HEATING BATTERY Tt ON	-15 / 5	°C	R/W		
26	PRE-HEATING BATTERY Tt OFF	-5 / 10	°C	R/W		
27	PRE-HEATING BATTERY CONSTANT Tt	-1 / 10	°C	R/W		
28	POST-HEATING BATTERY CONSTANT Tt	12 / 30	°C	R/W		
31	TIMER FILTER ALARM SET	1-24	MONTH	R/W		

* MODBUS activated only when the jumper JP1 of the electronic board is closed. If the jumper JP1 is open the control of the machine is done only with the control and the programming console (Modbus is deactivated).