

Controller for temperature control

- EKC 202B

084B8522

SW vers. 1.31

Parameter identification (Modbus)

Explanation of "UPLOAD LIST"

Parameter	The parameter number indicates the number of a given parameter.
Value	Indicates the factory settings.
Minimum	Indicates the minimum value the parameter can assume.
Maximum	Indicates the maximum value the parameter can assume.
Type	Group. Group (number) indicates the group the relevant parameter belongs to. The group number is only of importance for presentation in AKM PC software.
R/W	Attribute. Attribute indicates whether the relevant parameter can be set via MODBUS (W) (Write) or read via MODBUS (R) (read). Parameters with attribute W (Write) can also be read.

Parameter	PNU no.	Value	Minimum	Maximum	Type	R/W	Scale
Thermostat control(1)							
--- Cutout øC	100	2	-50	50	Float	R/W	01
r01 Differential	101	2	01	20	Float	R/W	01
r02 Max cutoutøC	102	50	-49	50	Float	R/W	01
r03 Min cutoutøC	103	-50	-50	49	Float	R/W	01
r04 Disp. Adj. K	104	0	-20	20	Float	R/W	01
r05 Temp.unit	105	1	0	1	Integer	R/W	1
r09 Adjust Sair	113	0	-10	10	Float	R/W	01
r13 Night offset	125	0	-10	10	Float	R/W	01
r39 Th. offset	150	0	0	1	Boolean	R/W	1
r40 Th. offset K	151	0	-50	50	Float	R/W	01
--- Night setbck	126	0	0	1	Boolean	R/W	1
u13 Night Cond.	2533		0	1	Boolean	R	1
u28 Temp. ref.	2546		-200	200	Float	R	01
--- Display air	2576		-200	200	Float	R	01
Compressor control(3)							
c01 Min. On time	500	0	0	30	Integer	R/W	1
c02 Min.Off time	501	0	0	30	Integer	R/W	1
c30 Cmp relay NC	532	0	0	1	Boolean	R/W	1
Defrost control(4)							
--- Def. Start	1013	0	0	1	Boolean	R/W	1
d01 Def. method	1000	1	0	2	Integer	R/W	1
d02 Def.StopTemp	1001	6	0	25	Float	R/W	01
d03 Def.Interval	1002	8	0	48	Integer	R/W	1
d04 Max Def.time	1003	45	0	180	Integer	R/W	1
d05 Time stagg.	1004	0	0	240	Integer	R/W	1
d06 DripOff time	1005	0	0	60	Integer	R/W	1
d07 FanStartDel	1006	0	0	60	Integer	R/W	1
d08 FanStartTemp	1007	-5	-15	0	Float	R/W	01
d09 FanDuringDef	1008	1	0	2	Integer	R/W	1
d10 DefStopSens.	1009	0	0	2	Integer	R/W	1
d18 MaxTherRunT.	1020	0	0	48	Integer	R/W	1
d19 CutoutS5Dif.	1021	20	0	20	Float	R/W	01
--- HoldAfterDef	2022	0	0	1	Boolean	R/W	1
--- DefrostState	1036		0	1	Boolean	R	1
o16 MaxHoldTime	2020	20	0	60	Integer	R/W	1
Defrost schedules(5)							
t01 Def. 1 hr.	1201	0	0	23	Integer	R/W	1
t11 Def. 1 min.	1211	0	0	59	Integer	R/W	1
t02 Def. 2 hr.	1202	0	0	23	Integer	R/W	1
t12 Def. 2 min.	1212	0	0	59	Integer	R/W	1
t03 Def. 3 hr.	1203	0	0	23	Integer	R/W	1
t13 Def. 3 min.	1213	0	0	59	Integer	R/W	1
t04 Def. 4 hr.	1204	0	0	23	Integer	R/W	1
t14 Def. 4 min.	1214	0	0	59	Integer	R/W	1
t05 Def. 5 hr.	1205	0	0	23	Integer	R/W	1
t15 Def. 5 min.	1215	0	0	59	Integer	R/W	1
t06 Def. 6 hr.	1206	0	0	23	Integer	R/W	1
t16 Def. 6 min.	1216	0	0	59	Integer	R/W	1

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Fan control(8)							
F01 Fan stop CO	1500	0	0	1	Integer	R/W	1
F02 Fan del. CO	1503	0	0	30	Integer	R/W	1
F04 FanStop temp	1505	50	-50	50	Float	R/W	01
Alarm settings(9)							
A03 Alarm delay	10002	30	0	240	Integer	R/W	1
A04 DoorOpen del	10003	60	0	240	Integer	R/W	1
A12 Pulldown del	10018	90	0	240	Integer	R/W	1
A13 HighLim Air	10019	8	-50	50	Float	R/W	01
A14 LowLim Air	10020	-30	-50	50	Float	R/W	01
A27 Al.Delay DI1	10028	30	0	240	Integer	R/W	1
A37 CondTemp. Al	10038	50	0	99,9	Float	R/W	01
--- Reset alarm	2046	0	0	1	Boolean	R/W	1
--- EKC Error	2541		0	1	Boolean	R	1
Miscellaneous(11)							
o01 DelayOfOutp.	2000	5	0	600	Integer	R/W	1
o02 DI1 Config.	2001	0	0	11	Integer	R/W	1
o06 SensorConfig	2014	0	0	2	Integer	R/W	1
o46 Case clean	2056	0	0	2	Integer	R/W	1
o70 S5 Config	2083	0	0	2	Integer	R/W	1
Service(12)							
u58 Comp1/LLSV	2510	0	0	1	Boolean	R/W	1
u60 Def. relay	2512	0	0	1	Boolean	R/W	1
u59 Fan relay	2511	1	0	1	Boolean	R/W	1
Alarm destinations(13)							
--- EKC error	20000		0	1	Boolean	R	1
--- RTC error	20001		0	1	Boolean	R	1
--- Sair error	20002		0	1	Boolean	R	1
--- S5 error	20003		0	1	Boolean	R	1
--- High t.alarm	20004		0	1	Boolean	R	1
--- Low t.alarm	20005		0	1	Boolean	R	1
--- Door alarm	20006		0	1	Boolean	R	1
--- DI1 alarm	20007		0	1	Boolean	R	1
--- Cond. alarm	20008		0	1	Boolean	R	1
--- Max Def.Time	20009		0	1	Boolean	R	1
--- Max HoldTime	20010		0	1	Boolean	R	1
--- Case clean	20011		0	1	Boolean	R	1
--- Standby mode	20012		0	1	Boolean	R	1
For DANFOSS only(14)							
Modul software	60001		0	10	Float	R	001
Transceiver type	60006		0	10	Integer	R	1
No text (15)							
r12 Main switch	117	1	-1	1	Integer	R/W	1
--- EKC State	2007		0	100	Integer	R	1
u69 Sair temp.	2589		-200	200	Float	R	01
u09 S5 temp.	1011		-200	200	Float	R	01
u10 DI1 status	2002		0	1	Boolean	R	1

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