Application 1

Parameter	PNU	Value	Min.	Max.	Type	R/W	Scale
Thermostat control							
--- Cutout °C	100	2,0	-50,0	50,0	Float	R/W	0,1
r01 Differential	101	2,0	0,1	20,0	Float	R/W	0,1
r02 Max cutout°C	102	50,0	-49,0	50,0	Float	R/W	0,1
r03 Min cutout°C	103	-50,0	-50,0	49,0	Float	R/W	0,1
o17 Disp. S4 %	2021	100	0	100	Integer	R/W	1
r04 Disp. Adj. K	104	0,0	-20,0	20,0	Float	R/W	0,1
r05 Temp.unit	105	0	0	1	Integer	R/W	1
r09 Adjust S4	113	0,0	-10,0	10,0	Float	R/W	0,1
r10 Adjust S3	114	0,0	-10,0	10,0	Float	R/W	0,1
r13 Night offset	125	0,0	-10,0	10,0	Float	R/W	0,1
r15 Ther. S4 %	123	100	0	100	Integer	R/W	1
r39 Th. offset	150	0	0	1	Boolean	R/W	1
r40 Th. offset K	151	0,0	-50,0	50,0	Float	R/W	0,1
--- Night setbck	126	0	0	1	Boolean	R/W	1
--- Forced cool.	3044	0	0	1	Boolean	R/W	1
u28 Temp. ref.	2546		-200,0	200,0	Float	R	0,1
Compressor control							
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							
--- Def. Start	1013	0	0	1	Boolean	R/W	1
d01 Def. method	1000	1	0	3	Integer	R/W	1
d02 Def.StopTemp	1001	6,0	0,0	25,0	Float	R/W	0,1
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	1007	0	0	60	Integer	R/W	1
d08 FanStartTemp	1006	-5,0	-15,0	0,0	Float	R/W	0,1
d09 FanDuringDef	1008	1	0	2	Integer	R/W	1
d10 DefStopSens.	1009	0	0	2	Integer	R/W	1
d16 Pump dwn del	1018	0	0	60	Integer	R/W	1
d18 MaxTherRunT.	1020	0	0	48	Integer	R/W	1
d19 CutoutS5Dif.	1021	20,0	0,0	20,0	Float	R/W	0,1
--- 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							
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
Fan control							
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	50,0	-50,0	50,0	Float	R/W	0,1

Parameter	PNU	Value	Min.	Max.	Type	R/W	Scale
Alarm settings							
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	8,0	-50,0	50,0	Float	R/W	0,1
A14 LowLim Air	10020	-30,0	-50,0	50,0	Float	R/W	0,1
A27 Al.Delay DI1	10028	30	0	240	Integer	R/W	1
A28 Al.Delay DI2	10029	30	0	240	Integer	R/W	1
A36 Alarm S4 %	10037	100	0	100	Integer	R/W	1
--- Reset alarm	2046	0	0	1	Boolean	R/W	1
--- EKC Error	2541		0	1	Boolean	R	1
Miscellaneous							
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
o37 DI2 Config.	2055	0	0	12	Integer	R/W	1
o46 Case clean	2056	0	0	2	Integer	R/W	1
Service							
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	0	0	1	Boolean	R/W	1
u62 Alarm relay	2583	0	0	1	Boolean	R/W	1
Alarm destinations							
--- EKC error	20000		0	1	Boolean	R	1
--- RTC error	20001		0	1	Boolean	R	1
--- S3 error	20002		0	1	Boolean	R	1
--- S4 error	20003		0	1	Boolean	R	1
--- S5 error	20004		0	1	Boolean	R	1
--- High t.alarm	20005		0	1	Boolean	R	1
--- Low t.alarm	20006		0	1	Boolean	R	1
--- Door alarm	20007		0	1	Boolean	R	1
--- DI1 alarm	20008		0	1	Boolean	R	1
--- DI2 alarm	20009		0	1	Boolean	R	1
--- Max Def.Time	20010		0	1	Boolean	R	1
--- Max HoldTime	20011		0	1	Boolean	R	1
--- Case clean	20012		0	1	Boolean	R	1
--- Standby mode	20013		0	1	Boolean	R	1
For DANFOSS only							
--- Appl.mode	2086		1	3	Integer	R	1
Modul software	60001		0,0	10,0	Float	R	0,01
Transceiver type	60006		0	10	Integer	R	1
In all Groups							
r12 Main switch	117	0	-1	1	Integer	R/W	1
--- EKC State	2007		0	100	Integer	R	1
u17 Ther. air	2532		-200,0	200,0	Float	R	0,1
u12 S3 air temp.	2530		-200,0	200,0	Float	R	0,1
u16 S4 air temp.	2531		-200,0	200,0	Float	R	0,1
u09 S5 temp.	1011		-200,0	200,0	Float	R	0,1
u10 DI1 status	2002		0	1	Boolean	R	1
u13 Night Cond.	2533		0	1	Boolean	R	1
u37 DI2 status	2556		0	1	Boolean	R	1
u56 Display air	2576		-200,0	200,0	Float	R	0,1
u57 Alarm air	2578		-200,0	200,0	Float	R	0,1

Application 2

Parameter	PNU	Value	Min.	Max.	Type	R/W	Scale
Thermostat control							
--- Cutout °C	100	2,0	-50,0	50,0	Float	R/W	0,1
r01 Differential	101	2,0	0,1	20,0	Float	R/W	0,1
r02 Max cutout°C	102	50,0	-49,0	50,0	Float	R/W	0,1
r03 Min cutout°C	103	-50,0	-50,0	49,0	Float	R/W	0,1
o17 Disp. S4 %	2021	100	0	100	Integer	R/W	1
r04 Disp. Adj. K	104	0,0	-20,0	20,0	Float	R/W	0,1
r05 Temp.unit	105	0	0	1	Integer	R/W	1
r09 Adjust S4	113	0,0	-10,0	10,0	Float	R/W	0,1
r10 Adjust S3	114	0,0	-10,0	10,0	Float	R/W	0,1
r13 Night offset	125	0,0	-10,0	10,0	Float	R/W	0,1
r15 Ther. S4 %	123	100	0	100	Integer	R/W	1
r39 Th. offset	150	0	0	1	Boolean	R/W	1
r40 Th. offset K	151	0,0	-50,0	50,0	Float	R/W	0,1
--- Night setbck	126	0	0	1	Boolean	R/W	1
--- Forced cool.	3044	0	0	1	Boolean	R/W	1
u28 Temp. ref.	2546		-200,0	200,0	Float	R	0,1
Compressor control							
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							
d01 Def. method	1000	1	0	3	Integer	R/W	1
d02 Def.StopTemp	1001	6,0	0,0	25,0	Float	R/W	0,1
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	1007	0	0	60	Integer	R/W	1
d08 FanStartTemp	1006	-5,0	-15,0	0,0	Float	R/W	0,1
d09 FanDuringDef	1008	1	0	2	Integer	R/W	1
d10 DefStopSens.	1009	0	0	2	Integer	R/W	1
d16 Pump dwn del	1018	0	0	60	Integer	R/W	1
d18 MaxTherRunT.	1020	0	0	48	Integer	R/W	1
d19 CutoutS5Dif.	1021	20,0	0,0	20,0	Float	R/W	0,1
--- 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							
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
Fan control							
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	50,0	-50,0	50,0	Float	R/W	0,1

Modbus parameters - EKC 202D 084B8536 ver. 2.2x

Parameter	PNU	Value	Min.	Max.	Type	R/W	Scale
Alarm settings							
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	8,0	-50,0	50,0	Float	R/W	0,1
A14 LowLim Air	10020	-30,0	-50,0	50,0	Float	R/W	0,1
A27 Al.Delay DI1	10028	30	0	240	Integer	R/W	1
A28 Al.Delay DI2	10029	30	0	240	Integer	R/W	1
A36 Alarm S4 %	10037	100	0	100	Integer	R/W	1
--- Reset alarm	2046	0	0	1	Boolean	R/W	1
--- EKC Error	2541		0	1	Boolean	R	1
Miscellaneous							
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
o37 DI2 Config.	2055	0	0	12	Integer	R/W	1
o38 Light config	2057	1	1	3	Integer	R/W	1
o39 Light remote	2058	0	0	1	Boolean	R/W	1
o46 Case clean	2056	0	0	2	Integer	R/W	1
Service							
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	0	0	1	Boolean	R/W	1
u63 Light relay	2584	0	0	1	Boolean	R/W	1
Alarm destinations							
--- EKC error	20000		0	1	Boolean	R	1
--- RTC error	20001		0	1	Boolean	R	1
--- S3 error	20002		0	1	Boolean	R	1
--- S4 error	20003		0	1	Boolean	R	1
--- S5 error	20004		0	1	Boolean	R	1
--- High t.alarm	20005		0	1	Boolean	R	1
--- Low t.alarm	20006		0	1	Boolean	R	1
--- Door alarm	20007		0	1	Boolean	R	1
--- DI1 alarm	20008		0	1	Boolean	R	1
--- DI2 alarm	20009		0	1	Boolean	R	1
--- Max Def.Time	20010		0	1	Boolean	R	1
--- Max HoldTime	20011		0	1	Boolean	R	1
--- Case clean	20012		0	1	Boolean	R	1
--- Standby mode	20013		0	1	Boolean	R	1
For DANFOSS only							
--- Appl.mode	2086		1	3	Integer	R	1
Modul software	60001		0,0	10,0	Float	R	0,01
Transceiver type	60006		0	10	Integer	R	1
In All Groups							
r12 Main switch	117	0	-1	1	Integer	R/W	1
--- EKC State	2007		0	100	Integer	R	1
u17 Ther. air	2532		-200,0	200,0	Float	R	0,1
u12 S3 air temp.	2530		-200,0	200,0	Float	R	0,1
u16 S4 air temp.	2531		-200,0	200,0	Float	R	0,1
u09 S5 temp.	1011		-200,0	200,0	Float	R	0,1
u10 DI1 status	2002		0	1	Boolean	R	1
u13 Night Cond.	2533		0	1	Boolean	R	1
u37 DI2 status	2556		0	1	Boolean	R	1
u56 Display air	2576		-200,0	200,0	Float	R	0,1
u57 Alarm air	2578		-200,0	200,0	Float	R	0,1

Application 3

Parameter	PNU	Value	Min.	Max.	Type	R/W	Scale
Thermostat control							
--- Cutout °C	100	2,0	-50,0	50,0	Float	R/W	0,1
r01 Differential	101	2,0	0,1	20,0	Float	R/W	0,1
r02 Max cutout°C	102	50,0	-49,0	50,0	Float	R/W	0,1
r03 Min cutout°C	103	-50,0	-50,0	49,0	Float	R/W	0,1
o17 Disp. S4 %	2021	100	0	100	Integer	R/W	1
r04 Disp. Adj. K	104	0,0	-20,0	20,0	Float	R/W	0,1
r05 Temp.unit	105	0	0	1	Integer	R/W	1
r09 Adjust S4	113	0,0	-10,0	10,0	Float	R/W	0,1
r10 Adjust S3	114	0,0	-10,0	10,0	Float	R/W	0,1
r13 Night offset	125	0,0	-10,0	10,0	Float	R/W	0,1
r15 Ther. S4 %	123	100	0	100	Integer	R/W	1
r39 Th. offset	150	0	0	1	Boolean	R/W	1
r40 Th. offset K	151	0,0	-50,0	50,0	Float	R/W	0,1
--- Night setbck	126	0	0	1	Boolean	R/W	1
--- Forced cool.	3044	0	0	1	Boolean	R/W	1
u28 Temp. ref.	2546		-200,0	200,0	Float	R	0,1
Compressor control							
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							
--- Def. Start	1013	0	0	1	Boolean	R/W	1
d01 Def. method	1000	1	0	3	Integer	R/W	1
d02 Def.StopTemp	1001	6,0	0,0	25,0	Float	R/W	0,1
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	1007	0	0	60	Integer	R/W	1
d08 FanStartTemp	1006	-5,0	-15,0	0,0	Float	R/W	0,1
d09 FanDuringDef	1008	1	0	2	Integer	R/W	1
d10 DefStopSens.	1009	0	0	2	Integer	R/W	1
d16 Pump dwn del	1018	0	0	60	Integer	R/W	1
d18 MaxTherRunT.	1020	0	0	48	Integer	R/W	1
d19 CutoutS5Dif.	1021	20,0	0,0	20,0	Float	R/W	0,1
--- 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							
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
Fan control							
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	50,0	-50,0	50,0	Float	R/W	0,1

Modbus parameters - EKC 202D 084B8536 ver. 2.2x

Parameter	PNU	Value	Min.	Max.	Type	R/W	Scale
Alarm settings							
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	8,0	-50,0	50,0	Float	R/W	0,1
A14 LowLim Air	10020	-30,0	-50,0	50,0	Float	R/W	0,1
A27 Al.Delay DI1	10028	30	0	240	Integer	R/W	1
A28 Al.Delay DI2	10029	30	0	240	Integer	R/W	1
A36 Alarm S4 %	10037	100	0	100	Integer	R/W	1
--- Reset alarm	2046	0	0	1	Boolean	R/W	1
--- EKC Error	2541		0	1	Boolean	R	1
Miscellaneous							
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
o37 DI2 Config.	2055	0	0	12	Integer	R/W	1
o41 Railh.ONday%	2060	100	0	100	Integer	R/W	1
o42 Railh.ONngt%	2061	100	0	100	Integer	R/W	1
o43 Railh.cycle	2062	10	6	60	Integer	R/W	1
o46 Case clean	2056	0	0	2	Integer	R/W	1
Service							
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	0	0	1	Boolean	R/W	1
u61 Railh. relay	2579	0	0	1	Boolean	R/W	1
Alarm destinations							
--- EKC error	20000		0	1	Boolean	R	1
--- RTC error	20001		0	1	Boolean	R	1
--- S3 error	20002		0	1	Boolean	R	1
--- S4 error	20003		0	1	Boolean	R	1
--- S5 error	20004		0	1	Boolean	R	1
--- High t.alarm	20005		0	1	Boolean	R	1
--- Low t.alarm	20006		0	1	Boolean	R	1
--- Door alarm	20007		0	1	Boolean	R	1
--- DI1 alarm	20008		0	1	Boolean	R	1
--- DI2 alarm	20009		0	1	Boolean	R	1
--- Max Def.Time	20010		0	1	Boolean	R	1
--- Max HoldTime	20011		0	1	Boolean	R	1
--- Case clean	20012		0	1	Boolean	R	1
--- Standby mode	20013		0	1	Boolean	R	1
For DANFOSS only							
--- Appl.mode	2086		1	3	Integer	R	1
Modul software	60001		0,0	10,0	Float	R	0
Transceiver type	60006		0	10	Integer	R	1
In All Groups							
r12 Main switch	117	0	-1	1	Integer	R/W	1
--- EKC State	2007		0	100	Integer	R	1
u17 Ther. air	2532		-200,0	200,0	Float	R	0,1
u12 S3 air temp.	2530		-200,0	200,0	Float	R	0,1
u16 S4 air temp.	2531		-200,0	200,0	Float	R	0,1
u09 S5 temp.	1011		-200,0	200,0	Float	R	0,1
u10 DI1 status	2002		0	1	Boolean	R	1
u13 Night Cond.	2533		0	1	Boolean	R	1
u37 DI2 status	2556		0	1	Boolean	R	1
u56 Display air	2576		-200,0	200,0	Float	R	0,1
u57 Alarm air	2578		-200,0	200,0	Float	R	0,1