

BMS/parameter list for CTC EcoLogic Pro/Family



Detta tillbehör fungerar endast om produktens programversion är från 20140307 eller nyare

This accessory will only work if the product has program version 20140307 or later.

Dieses Zubehörteil funktioniert nur, wenn das Produkt mit der Programmversion 20140307 oder höher läuft.

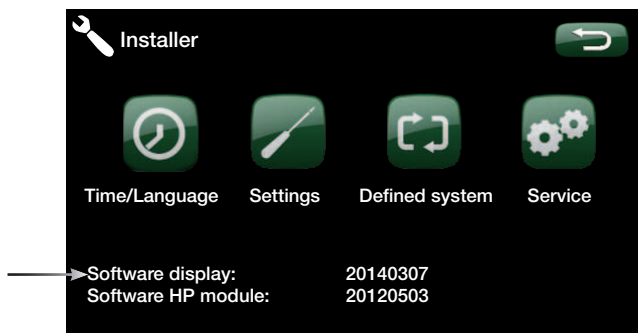
Cet accessoire ne pourra fonctionner que si le produit est équipé de la version 20140307 du programme ou d'une version plus récente.

Dit accessoire werkt alleen als het product programmaversie 20140307 of later heeft.

Dette tilbehør virker kun, hvis produktet har programversion 20140307 eller nyere.

Dette tilbehøret fungerer bare hvis produktets programversjon er fra 20140307 eller nyere

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Register No	Bit No	Description	Type	Values	Unit	Min	Max	Default	Datasource
1		Time: Second	U16		s				Relay Card
2		Time: Minute	U16		m		0	59	Relay Card
3		Time: Hour	U16		h		0	23	Relay Card
4		Week day	U16	0 = Monday 1 = Tuesday 2 = Wednesday 3 = Thursday 4 = Friday 5 = Saturday 6 = Sunday			0	6	Relay Card
5		Date: Day	U16				1	31	Relay Card
6		Date: Month	U16				1	12	Relay Card
7		Date: Year	U16				0	99	Relay Card
11		Sensor B9 Boiler	S16						Relay Card
12		Sensor B5 DHW Tank	S16						Relay Card
13		Sensor B6 Buffer tank	S16						Relay Card
14		Sensor Solar tank	S16						Relay Card
15		Sensor B10 Boiler	S16						Relay Card
16		Sensor B7 return	S16						Relay Card
17		Outside Temp°C (B15)	S16						Relay Card
18		Primary flow °C (B1)	S16						Relay Card
19		Heating circuit 2 flow °C (B2)	S16						Relay Card
20		Room temp 1 °C (B11)	S16						Relay Card
21		Room temp 2 °C (B12)	S16						Relay Card
22		Sensor B8 Boiler	S16						Relay Card
27		Remote control NS/RS/DHW	U16						Relay Card
48		Solar Panel Outlet °C (B31)	S16						Expansion Card
49		Solar Panel Inlet°C (B30)	S16						Expansion Card
51		Heating circuit 4 flow °C (B4)	S16						Expansion Card
54		Heating circuit 3 flow °C (B3)	S16						Expansion Card
55		Sensor B50 Pool	S16						Expansion Card
57		Room temp 3 °C (B13)	S16						Expansion Card
58		Room temp 4 °C (B14)	S16						Expansion Card
63		Solar panel pump (G30)	U16						Expansion Card
64		Solar heat exchanger pump (G32)	U16						Expansion Card
67		Additional heat 0-10V (E2)	U16						Expansion Card
257		Brine temperature out	S16						Heat Pump #1
258		Brine temperature in	S16						Heat Pump #1
259		Flow temperature in	S16						Heat Pump #1
260		OutsideTemp	S16						Heat Pump #1
261		Flow temperature out	S16						Heat Pump #1
264		High pressure	S16						Heat Pump #1
265		Low pressure	S16						Heat Pump #1
266		Calculated condensing temperature	S16						Heat Pump #1
267		Calculated evaporating temperature	S16						Heat Pump #1
272		Sort start current	S16						Heat Pump #1
273		Defrost timer	S16						Heat Pump #1
274		Compressor start delay timer	S16						Heat Pump #1
275		Charge pump value (%)	S16						Heat Pump #1
276		Fan brine pump value	S16						Heat Pump #1
277		Relays	S16						Heat Pump #1
277	0	Compressor	Bit	1=On, 0=Off					Heat Pump #1
277	1	Fan low speed	Bit	1=On, 0=Off					Heat Pump #1
277	2	Fan high speed	Bit	1=On, 0=Off					Heat Pump #1
277	3	Brine pump	Bit	1=On, 0=Off					Heat Pump #1
277	4	Charge pump	Bit	1=On, 0=Off					Heat Pump #1
277	5	Heating cable	Bit	1=On, 0=Off					Heat Pump #1
277	6	Defrost 4-way valve	Bit	1=On, 0=Off					Heat Pump #1
277	7	N/C	Bit	1=On, 0=Off					Heat Pump #1
277	8	N/C	Bit	1=On, 0=Off					Heat Pump #1
277	9	N/C	Bit	1=On, 0=Off					Heat Pump #1
277	10	N/C	Bit	1=On, 0=Off					Heat Pump #1
277	11	N/C	Bit	1=On, 0=Off					Heat Pump #1
277	12	N/C	Bit	1=On, 0=Off					Heat Pump #1
277	13	N/C	Bit	1=On, 0=Off					Heat Pump #1
277	14	N/C	Bit	1=On, 0=Off					Heat Pump #1
277	15	N/C	Bit	1=On, 0=Off					Heat Pump #1
282		Compressor blocks	S16						Heat Pump #1
282	0	High return temp.	Bit	1=Active, 0=Inactive					Heat Pump #1
282	1	High discharge temp.	Bit	1=Active, 0=Inactive					Heat Pump #1
282	2	Low outdoor temp.	Bit	1=Active, 0=Inactive					Heat Pump #1
282	3	High outdoor temp.	Bit	1=Active, 0=Inactive					Heat Pump #1
282	4	Low evaporation temp	Bit	1=Active, 0=Inactive					Heat Pump #1
282	5	High evaporation temp	Bit	1=Active, 0=Inactive					Heat Pump #1
282	6	High condensing temp	Bit	1=Active, 0=Inactive					Heat Pump #1
282	7	Low suction temp EVO	Bit	1=Active, 0=Inactive					Heat Pump #1
282	8	Low evap. temp. EVO	Bit	1=Active, 0=Inactive					Heat Pump #1
282	9	High evap. temp. EVO	Bit	1=Active, 0=Inactive					Heat Pump #1
282	10	Low superheat EVO	Bit	1=Active, 0=Inactive					Heat Pump #1
282	11	High condense temp.EVO	Bit	1=Active, 0=Inactive					Heat Pump #1
282	12	High pressure	Bit	1=Active, 0=Inactive					Heat Pump #1
282	13	N/C	Bit	1=Active, 0=Inactive					Heat Pump #1
282	14	N/C	Bit	1=Active, 0=Inactive					Heat Pump #1
282	15	N/C	Bit	1=Active, 0=Inactive					Heat Pump #1
283		Alarm1	S16						Heat Pump #1
283	0	N/A	Bit	1=Active, 0=Inactive					Heat Pump #1
283	1	N/A	Bit	1=Active, 0=Inactive					Heat Pump #1
283	2	N/A	Bit	1=Active, 0=Inactive					Heat Pump #1
283	3	Alarm 1: Pump overload	Bit	1=Active, 0=Inactive					Heat Pump #1
283	4	Alarm 1: System pump overload	Bit	1=Active, 0=Inactive					Heat Pump #1
283	5	Alarm 1: Compressor overload	Bit	1=Active, 0=Inactive					Heat Pump #1
283	6	N/A	Bit	1=Active, 0=Inactive					Heat Pump #1
283	7	Alarm 1: High pressure	Bit	1=Active, 0=Inactive					Heat Pump #1
283	8	N/A	Bit	1=Active, 0=Inactive					Heat Pump #1
283	9	N/A	Bit	1=Active, 0=Inactive					Heat Pump #1
283	10	N/A	Bit	1=Active, 0=Inactive					Heat Pump #1
283	11	Alarm 1: Risk of freezing	Bit	1=Active, 0=Inactive					Heat Pump #1
283	12	Alarm 1: Low brine flow	Bit	1=Active, 0=Inactive					Heat Pump #1
283	13	Alarm 1: Low brine temperature	Bit	1=Active, 0=Inactive					Heat Pump #1
283	14	N/C	Bit	1=Active, 0=Inactive					Heat Pump #1
283	15	N/C	Bit	1=Active, 0=Inactive					Heat Pump #1
284		Alarm2	S16						Heat Pump #1
284	0	Alarm 2: Low pressure diff	Bit	1=Active, 0=Inactive					Heat Pump #1
284	1	Alarm 2: Sensor brine out	Bit	1=Active, 0=Inactive					Heat Pump #1

284	2 Alarm 2: Sensor brine in	Bit	1=Active, 0=Inactive						Heat Pump #1
284	3 N/A	Bit	1=Active, 0=Inactive						Heat Pump #1
284	4 Alarm 2: Sensor heat pump in	Bit	1=Active, 0=Inactive						Heat Pump #1
284	5 N/A	Bit	1=Active, 0=Inactive						Heat Pump #1
284	6 Alarm 2: Sensor outdoor	Bit	1=Active, 0=Inactive						Heat Pump #1
284	7 Alarm 2: Sensor heat pump out	Bit	1=Active, 0=Inactive						Heat Pump #1
284	8 N/A	Bit	1=Active, 0=Inactive						Heat Pump #1
284	9 Alarm 2: Sensor discharge	Bit	1=Active, 0=Inactive						Heat Pump #1
284	10 Alarm 2: Sensor suction gas	Bit	1=Active, 0=Inactive						Heat Pump #1
284	11 Alarm 2: Sensor high pressure	Bit	1=Active, 0=Inactive						Heat Pump #1
284	12 Alarm 2: Sensor low pressure	Bit	1=Active, 0=Inactive						Heat Pump #1
284	13 Alarm 2: Fan	Bit	1=Active, 0=Inactive						Heat Pump #1
284	14 N/A	Bit	1=Active, 0=Inactive						Heat Pump #1
284	15 Alarm 2: 4-way valve	Bit	1=Active, 0=Inactive						Heat Pump #1
285	Alarm3	S16							Heat Pump #1
285	0 Alarm 3: Compressor Inverter	Bit	1=Active, 0=Inactive						Heat Pump #1
285	1 N/A	Bit	1=Active, 0=Inactive						Heat Pump #1
285	2 N/A	Bit	1=Active, 0=Inactive						Heat Pump #1
285	3 N/A	Bit	1=Active, 0=Inactive						Heat Pump #1
285	4 N/A	Bit	1=Active, 0=Inactive						Heat Pump #1
285	5 N/A	Bit	1=Active, 0=Inactive						Heat Pump #1
285	6 N/A	Bit	1=Active, 0=Inactive						Heat Pump #1
285	7 N/A	Bit	1=Active, 0=Inactive						Heat Pump #1
285	8 N/A	Bit	1=Active, 0=Inactive						Heat Pump #1
285	9 N/A	Bit	1=Active, 0=Inactive						Heat Pump #1
285	10 N/A	Bit	1=Active, 0=Inactive						Heat Pump #1
285	11 N/A	Bit	1=Active, 0=Inactive						Heat Pump #1
285	12 N/A	Bit	1=Active, 0=Inactive						Heat Pump #1
285	13 Alarm 3: EVO Off	Bit	1=Active, 0=Inactive						Heat Pump #1
285	14 N/A	Bit	1=Active, 0=Inactive						Heat Pump #1
285	15 N/A	Bit	1=Active, 0=Inactive						Heat Pump #1
286	Alarm4	S16							Heat Pump #1
286	0 Alarm 4: Compressor high current	Bit	1=Active, 0=Inactive						Heat Pump #1
286	1 Alarm 4: Compressor low current	Bit	1=Active, 0=Inactive						Heat Pump #1
286	2 Alarm 4: Phase 1 missing	Bit	1=Active, 0=Inactive						Heat Pump #1
286	3 Alarm 4: Phase 2 missing	Bit	1=Active, 0=Inactive						Heat Pump #1
286	4 Alarm 4: Phase 3 missing	Bit	1=Active, 0=Inactive						Heat Pump #1
286	5 Alarm 4: Phase sequence error	Bit	1=Active, 0=Inactive						Heat Pump #1
286	6 Alarm 4: Communication error Softstarter	Bit	1=Active, 0=Inactive						Heat Pump #1
286	7 N/A	Bit	1=Active, 0=Inactive						Heat Pump #1
286	8 N/A	Bit	1=Active, 0=Inactive						Heat Pump #1
286	9 N/A	Bit	1=Active, 0=Inactive						Heat Pump #1
286	10 N/A	Bit	1=Active, 0=Inactive						Heat Pump #1
286	11 N/A	Bit	1=Active, 0=Inactive						Heat Pump #1
286	12 N/A	Bit	1=Active, 0=Inactive						Heat Pump #1
286	13 N/A	Bit	1=Active, 0=Inactive						Heat Pump #1
286	14 N/C	Bit	1=Active, 0=Inactive						Heat Pump #1
286	15 N/C	Bit	1=Active, 0=Inactive						Heat Pump #1
290	Compressor operating hours (high)	U16	h x 1000						Heat Pump #1
291	Compressor operating hours (low)	U16	h x 1						Heat Pump #1
292	Compressor operating time/24 hours	U16	1 min						Heat Pump #1
293	Compressor starts/24 hours	U16							Heat Pump #1
294	Energy heat counter high part	U16	x 10000 Kwh						Heat Pump #1
295	Energy heat counter low part	U16	x 1 Kwh						Heat Pump #1
307	Hp Bios version	S16							Heat Pump #1
308	Hp Application Software Version	S16							Heat Pump #1
394	Command to reset all alarms on supervisor	S16		0	1	0			Heat Pump #1
395	Start delay reset	S16		0	1	0			Heat Pump #1
398	Charge pump speed demand.	S16		0	1000	0			Heat Pump #1
399	Brine pump speed demand.(EcoHeat/EcoPart) / Fan speed demand.(EcoAir)	S16		0	1000	0			Heat Pump #1
434	Brine temperature out	S16							Heat Pump #2
435	Brine temperature in	S16							Heat Pump #2
436	Flow temperature in	S16							Heat Pump #2
437	OutsideTemp	S16							Heat Pump #2
438	Flow temperature out	S16							Heat Pump #2
441	High pressure	S16							Heat Pump #2
442	Low pressure	S16							Heat Pump #2
443	Calculated condensing temperature	S16							Heat Pump #2
444	Calculated evaporating temperature	S16							Heat Pump #2
449	Soft start current	S16							Heat Pump #2
450	Defrost timer	S16							Heat Pump #2
451	Compressor start delay timer	S16							Heat Pump #2
452	Charge pump value (%)	S16							Heat Pump #2
453	Fan brine pump value	S16							Heat Pump #2
454	Relays	S16							Heat Pump #2
454	0 Compressor	Bit	1=On, 0=Off						Heat Pump #2
454	1 Fan low speed	Bit	1=On, 0=Off						Heat Pump #2
454	2 Fan high speed	Bit	1=On, 0=Off						Heat Pump #2
454	3 Brine pump	Bit	1=On, 0=Off						Heat Pump #2
454	4 Charge pump	Bit	1=On, 0=Off						Heat Pump #2
454	5 Heating cable	Bit	1=On, 0=Off						Heat Pump #2
454	6 Defrost 4-way valve	Bit	1=On, 0=Off						Heat Pump #2
454	7 N/C	Bit	1=On, 0=Off						Heat Pump #2
454	8 N/C	Bit	1=On, 0=Off						Heat Pump #2
454	9 N/C	Bit	1=On, 0=Off						Heat Pump #2
454	10 N/C	Bit	1=On, 0=Off						Heat Pump #2
454	11 N/C	Bit	1=On, 0=Off						Heat Pump #2
454	12 N/C	Bit	1=On, 0=Off						Heat Pump #2
454	13 N/C	Bit	1=On, 0=Off						Heat Pump #2
454	14 N/C	Bit	1=On, 0=Off						Heat Pump #2
454	15 N/C	Bit	1=On, 0=Off						Heat Pump #2
459	Compressor blocks	S16							Heat Pump #2
459	0 High return temp.	Bit	1=Active, 0=Inactive						Heat Pump #2
459	1 High discharge temp.	Bit	1=Active, 0=Inactive						Heat Pump #2
459	2 Low outdoor temp.	Bit	1=Active, 0=Inactive						Heat Pump #2
459	3 High outdoor temp.	Bit	1=Active, 0=Inactive						Heat Pump #2
459	4 Low evaporation temp	Bit	1=Active, 0=Inactive						Heat Pump #2
459	5 High evaporation temp	Bit	1=Active, 0=Inactive						Heat Pump #2
459	6 High condensing temp	Bit	1=Active, 0=Inactive						Heat Pump #2
459	7 Low suction temp EVO	Bit	1=Active, 0=Inactive						Heat Pump #2
459	8 Low evap. temp. EVO	Bit	1=Active, 0=Inactive						Heat Pump #2
459	9 High evap. temp. EVO	Bit	1=Active, 0=Inactive						Heat Pump #2
459	10 Low superheat EVO	Bit	1=Active, 0=Inactive						Heat Pump #2
459	11 High condense temp.EVO	Bit	1=Active, 0=Inactive						Heat Pump #2

459	12 High pressure	Bit	1=Active, 0=Inactive				Heat Pump #2
459	13 N/C	Bit	1=Active, 0=Inactive				Heat Pump #2
459	14 N/C	Bit	1=Active, 0=Inactive				Heat Pump #2
459	15 N/C	Bit	1=Active, 0=Inactive				Heat Pump #2
460	Alarm1	S16					Heat Pump #2
460	0 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
460	1 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
460	2 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
460	3 Alarm 1: Pump overload	Bit	1=Active, 0=Inactive				Heat Pump #2
460	4 Alarm 1: System pump overload	Bit	1=Active, 0=Inactive				Heat Pump #2
460	5 Alarm 1: Compressor overload	Bit	1=Active, 0=Inactive				Heat Pump #2
460	6 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
460	7 Alarm 1: High pressure	Bit	1=Active, 0=Inactive				Heat Pump #2
460	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
460	9 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
460	10 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
460	11 Alarm 1: Risk of freezing	Bit	1=Active, 0=Inactive				Heat Pump #2
460	12 Alarm 1: Low brine flow	Bit	1=Active, 0=Inactive				Heat Pump #2
460	13 Alarm 1: Low brine temperature	Bit	1=Active, 0=Inactive				Heat Pump #2
460	14 N/C	Bit	1=Active, 0=Inactive				Heat Pump #2
460	15 N/C	Bit	1=Active, 0=Inactive				Heat Pump #2
461	Alarm2	S16					Heat Pump #2
461	0 Alarm 2: Low pressure diff	Bit	1=Active, 0=Inactive				Heat Pump #2
461	1 Alarm 2: Sensor brine out	Bit	1=Active, 0=Inactive				Heat Pump #2
461	2 Alarm 2: Sensor brine in	Bit	1=Active, 0=Inactive				Heat Pump #2
461	3 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
461	4 Alarm 2: Sensor heat pump in	Bit	1=Active, 0=Inactive				Heat Pump #2
461	5 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
461	6 Alarm 2: Sensor outdoor	Bit	1=Active, 0=Inactive				Heat Pump #2
461	7 Alarm 2: Sensor heat pump out	Bit	1=Active, 0=Inactive				Heat Pump #2
461	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
461	9 Alarm 2: Sensor discharge	Bit	1=Active, 0=Inactive				Heat Pump #2
461	10 Alarm 2: Sensor suction gas	Bit	1=Active, 0=Inactive				Heat Pump #2
461	11 Alarm 2: Sensor high pressure	Bit	1=Active, 0=Inactive				Heat Pump #2
461	12 Alarm 2: Sensor low pressure	Bit	1=Active, 0=Inactive				Heat Pump #2
461	13 Alarm 2: Fan	Bit	1=Active, 0=Inactive				Heat Pump #2
461	14 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
461	15 Alarm 2: 4-way valve	Bit	1=Active, 0=Inactive				Heat Pump #2
462	Alarm3	S16					Heat Pump #2
462	0 Alarm 3: Compressor Inverter	Bit	1=Active, 0=Inactive				Heat Pump #2
462	1 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
462	2 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
462	3 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
462	4 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
462	5 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
462	6 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
462	7 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
462	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
462	9 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
462	10 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
462	11 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
462	12 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
462	13 Alarm 3: EVO Off	Bit	1=Active, 0=Inactive				Heat Pump #2
462	14 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
462	15 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
463	Alarm4	S16					Heat Pump #2
463	0 Alarm 4: Compressor high current	Bit	1=Active, 0=Inactive				Heat Pump #2
463	1 Alarm 4: Compressor low current	Bit	1=Active, 0=Inactive				Heat Pump #2
463	2 Alarm 4: Phase 1 missing	Bit	1=Active, 0=Inactive				Heat Pump #2
463	3 Alarm 4: Phase 2 missing	Bit	1=Active, 0=Inactive				Heat Pump #2
463	4 Alarm 4: Phase 3 missing	Bit	1=Active, 0=Inactive				Heat Pump #2
463	5 Alarm 4: Phase sequence error	Bit	1=Active, 0=Inactive				Heat Pump #2
463	6 Alarm 4: Communication error Softstarter	Bit	1=Active, 0=Inactive				Heat Pump #2
463	7 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
463	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
463	9 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
463	10 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
463	11 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
463	12 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
463	13 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
463	14 N/C	Bit	1=Active, 0=Inactive				Heat Pump #2
463	15 N/C	Bit	1=Active, 0=Inactive				Heat Pump #2
467	Compressor operating hours (high)	U16	h x 1000				Heat Pump #2
468	Compressor operating hours (low)	U16	h x 1				Heat Pump #2
469	Compressor operating time/24 hours	U16	1 min				Heat Pump #2
470	Compressor starts/24 hours	U16					Heat Pump #2
471	Energy heat counter high part	U16	x 10000 Kwh				Heat Pump #2
472	Energy heat counter low part	U16	x 1 Kwh				Heat Pump #2
474	Flow temperature in (when alarm occurred)	S16	0,1 °C				Heat Pump #2
475	Flow temperature out (when alarm occurred)	S16	0,1 °C				Heat Pump #2
476	Brine temperature in (when alarm occurred)	S16	0,1 °C				Heat Pump #2
477	Brine temperature out (when alarm occurred)	S16	0,1 °C				Heat Pump #2
478	Outdoor temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #2
479	Superheat temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #2
480	High pressure (when alarm occurred)	S16	0,1 Bar				Heat Pump #2
481	Low pressure (when alarm occurred)	S16	0,1 Bar				Heat Pump #2
482	Expansion valve position (when alarm occurred)	S16	0,1 %				Heat Pump #2
483	Soft starter current (when alarm occurred)	S16	0,1 A				Heat Pump #2
484	Hp Bios version	S16					Heat Pump #2
485	Hp Application Software Version	S16					Heat Pump #2
486	Discharge superheat temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #2
487	Stored CTC product type	S16		0	2	0	Heat Pump #2
488	Stored compressor type	S16		0	12	0	Heat Pump #2
490	Max outdoor compressor operation Ecoair	S16		150	700	400	Heat Pump #2
496	Min outdoor compressor operation Ecoair	S16		0	100	0	Heat Pump #2
499	Start delay time	S16		0	1	0	Heat Pump #2
565	Brine in min temp	S16		0	999	392	Heat Pump #2
566	Brine max delta temp	S16		0	999	347	Heat Pump #2
569	HP demand type	S16		0	3	0	Heat Pump #2
570	HP demand	S16		0	1000	0	Heat Pump #2
571	Command to reset all alarms on supervisor	S16		0	1	0	Heat Pump #2
572	Start delay reset	S16		0	1	0	Heat Pump #2
575	Charge pump speed demand.	S16		0	1000	0	Heat Pump #2

576	Brine pump speed demand.(EcoHeat/EcoPart) / Fan speed demand.(EcoAir)	S16	0	1000	0	Heat Pump #2
611	Brine temperature out	S16				Heat Pump #3
612	Brine temperature in	S16				Heat Pump #3
613	Flow temperature in	S16				Heat Pump #3
614	OutsideTemp	S16				Heat Pump #3
615	Flow temperature out	S16				Heat Pump #3
618	High pressure	S16				Heat Pump #3
619	Low pressure	S16				Heat Pump #3
620	Calculated condensing temperature	S16				Heat Pump #3
621	Calculated evaporating temperature	S16				Heat Pump #3
626	Soft start current	S16				Heat Pump #3
627	Defrost timer	S16				Heat Pump #3
628	Compressor start delay timer	S16				Heat Pump #3
629	Charge pump value (%)	S16				Heat Pump #3
630	Fan brine pump value	S16				Heat Pump #3
631	Relays	S16				Heat Pump #3
631	0 Compressor	Bit	1=On, 0=Off			Heat Pump #3
631	1 Fan low speed	Bit	1=On, 0=Off			Heat Pump #3
631	2 Fan high speed	Bit	1=On, 0=Off			Heat Pump #3
631	3 Brine pump	Bit	1=On, 0=Off			Heat Pump #3
631	4 Charge pump	Bit	1=On, 0=Off			Heat Pump #3
631	5 Heating cable	Bit	1=On, 0=Off			Heat Pump #3
631	6 Defrost 4-way valve	Bit	1=On, 0=Off			Heat Pump #3
631	7 N/C	Bit	1=On, 0=Off			Heat Pump #3
631	8 N/C	Bit	1=On, 0=Off			Heat Pump #3
631	9 N/C	Bit	1=On, 0=Off			Heat Pump #3
631	10 N/C	Bit	1=On, 0=Off			Heat Pump #3
631	11 N/C	Bit	1=On, 0=Off			Heat Pump #3
631	12 N/C	Bit	1=On, 0=Off			Heat Pump #3
631	13 N/C	Bit	1=On, 0=Off			Heat Pump #3
631	14 N/C	Bit	1=On, 0=Off			Heat Pump #3
631	15 N/C	Bit	1=On, 0=Off			Heat Pump #3
636	Compressor blocks	S16				Heat Pump #3
636	0 High return temp.	Bit	1=Active, 0=Inactive			Heat Pump #3
636	1 High discharge temp.	Bit	1=Active, 0=Inactive			Heat Pump #3
636	2 Low outdoor temp.	Bit	1=Active, 0=Inactive			Heat Pump #3
636	3 High outdoor temp.	Bit	1=Active, 0=Inactive			Heat Pump #3
636	4 Low evaporation temp	Bit	1=Active, 0=Inactive			Heat Pump #3
636	5 High evaporation temp	Bit	1=Active, 0=Inactive			Heat Pump #3
636	6 High condensing temp	Bit	1=Active, 0=Inactive			Heat Pump #3
636	7 Low suction temp EVO	Bit	1=Active, 0=Inactive			Heat Pump #3
636	8 Low evap. temp. EVO	Bit	1=Active, 0=Inactive			Heat Pump #3
636	9 High evap. temp. EVO	Bit	1=Active, 0=Inactive			Heat Pump #3
636	10 Low superheat EVO	Bit	1=Active, 0=Inactive			Heat Pump #3
636	11 High condense temp.EVO	Bit	1=Active, 0=Inactive			Heat Pump #3
636	12 High pressure	Bit	1=Active, 0=Inactive			Heat Pump #3
636	13 N/C	Bit	1=Active, 0=Inactive			Heat Pump #3
636	14 N/C	Bit	1=Active, 0=Inactive			Heat Pump #3
636	15 N/C	Bit	1=Active, 0=Inactive			Heat Pump #3
637	Alarm1	S16				Heat Pump #3
637	0 N/A	Bit	1=Active, 0=Inactive			Heat Pump #3
637	1 N/A	Bit	1=Active, 0=Inactive			Heat Pump #3
637	2 N/A	Bit	1=Active, 0=Inactive			Heat Pump #3
637	3 Alarm 1: Pump overload	Bit	1=Active, 0=Inactive			Heat Pump #3
637	4 Alarm 1: System pump overload	Bit	1=Active, 0=Inactive			Heat Pump #3
637	5 Alarm 1: Compressor overload	Bit	1=Active, 0=Inactive			Heat Pump #3
637	6 N/A	Bit	1=Active, 0=Inactive			Heat Pump #3
637	7 Alarm 1: High pressure	Bit	1=Active, 0=Inactive			Heat Pump #3
637	8 N/A	Bit	1=Active, 0=Inactive			Heat Pump #3
637	9 N/A	Bit	1=Active, 0=Inactive			Heat Pump #3
637	10 N/A	Bit	1=Active, 0=Inactive			Heat Pump #3
637	11 Alarm 1: Risk of freezing	Bit	1=Active, 0=Inactive			Heat Pump #3
637	12 Alarm 1: Low brine flow	Bit	1=Active, 0=Inactive			Heat Pump #3
637	13 Alarm 1: Low brine temperature	Bit	1=Active, 0=Inactive			Heat Pump #3
637	14 N/C	Bit	1=Active, 0=Inactive			Heat Pump #3
637	15 N/C	Bit	1=Active, 0=Inactive			Heat Pump #3
638	Alarm2	S16				Heat Pump #3
638	0 Alarm 2: Low pressure diff	Bit	1=Active, 0=Inactive			Heat Pump #3
638	1 Alarm 2: Sensor brine out	Bit	1=Active, 0=Inactive			Heat Pump #3
638	2 Alarm 2: Sensor brine in	Bit	1=Active, 0=Inactive			Heat Pump #3
638	3 N/A	Bit	1=Active, 0=Inactive			Heat Pump #3
638	4 Alarm 2: Sensor heat pump in	Bit	1=Active, 0=Inactive			Heat Pump #3
638	5 N/A	Bit	1=Active, 0=Inactive			Heat Pump #3
638	6 Alarm 2: Sensor outdoor	Bit	1=Active, 0=Inactive			Heat Pump #3
638	7 Alarm 2: Sensor heat pump out	Bit	1=Active, 0=Inactive			Heat Pump #3
638	8 N/A	Bit	1=Active, 0=Inactive			Heat Pump #3
638	9 Alarm 2: Sensor discharge	Bit	1=Active, 0=Inactive			Heat Pump #3
638	10 Alarm 2: Sensor suction gas	Bit	1=Active, 0=Inactive			Heat Pump #3
638	11 Alarm 2: Sensor high pressure	Bit	1=Active, 0=Inactive			Heat Pump #3
638	12 Alarm 2: Sensor low pressure	Bit	1=Active, 0=Inactive			Heat Pump #3
638	13 Alarm 2: Fan	Bit	1=Active, 0=Inactive			Heat Pump #3
638	14 N/A	Bit	1=Active, 0=Inactive			Heat Pump #3
638	15 Alarm 2: 4-way valve	Bit	1=Active, 0=Inactive			Heat Pump #3
639	Alarm3	S16				Heat Pump #3
639	0 Alarm 3: Compressor Inverter	Bit	1=Active, 0=Inactive			Heat Pump #3
639	1 N/A	Bit	1=Active, 0=Inactive			Heat Pump #3
639	2 N/A	Bit	1=Active, 0=Inactive			Heat Pump #3
639	3 N/A	Bit	1=Active, 0=Inactive			Heat Pump #3
639	4 N/A	Bit	1=Active, 0=Inactive			Heat Pump #3
639	5 N/A	Bit	1=Active, 0=Inactive			Heat Pump #3
639	6 N/A	Bit	1=Active, 0=Inactive			Heat Pump #3
639	7 N/A	Bit	1=Active, 0=Inactive			Heat Pump #3
639	8 N/A	Bit	1=Active, 0=Inactive			Heat Pump #3
639	9 N/A	Bit	1=Active, 0=Inactive			Heat Pump #3
639	10 N/A	Bit	1=Active, 0=Inactive			Heat Pump #3
639	11 N/A	Bit	1=Active, 0=Inactive			Heat Pump #3
639	12 N/A	Bit	1=Active, 0=Inactive			Heat Pump #3
639	13 Alarm 3: EVO Off	Bit	1=Active, 0=Inactive			Heat Pump #3
639	14 N/A	Bit	1=Active, 0=Inactive			Heat Pump #3
639	15 N/A	Bit	1=Active, 0=Inactive			Heat Pump #3
640	Alarm4	S16				Heat Pump #3
640	0 Alarm 4: Compressor high current	Bit	1=Active, 0=Inactive			Heat Pump #3
640	1 Alarm 4: Compressor low current	Bit	1=Active, 0=Inactive			Heat Pump #3
640	2 Alarm 4: Phase 1 missing	Bit	1=Active, 0=Inactive			Heat Pump #3

640	3 Alarm 4: Phase 2 missing	Bit	1=Active, 0=Inactive				Heat Pump #3
640	4 Alarm 4: Phase 3 missing	Bit	1=Active, 0=Inactive				Heat Pump #3
640	5 Alarm 4: Phase sequence error	Bit	1=Active, 0=Inactive				Heat Pump #3
640	6 Alarm 4: Communication error Softstarter	Bit	1=Active, 0=Inactive				Heat Pump #3
640	7 N/A	Bit	1=Active, 0=Inactive				Heat Pump #3
640	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #3
640	9 N/A	Bit	1=Active, 0=Inactive				Heat Pump #3
640	10 N/A	Bit	1=Active, 0=Inactive				Heat Pump #3
640	11 N/A	Bit	1=Active, 0=Inactive				Heat Pump #3
640	12 N/A	Bit	1=Active, 0=Inactive				Heat Pump #3
640	13 N/A	Bit	1=Active, 0=Inactive				Heat Pump #3
640	14 N/C	Bit	1=Active, 0=Inactive				Heat Pump #3
640	15 N/C	Bit	1=Active, 0=Inactive				Heat Pump #3
644	Compressor operating hours (high)	U16	h x 1000				Heat Pump #3
645	Compressor operating hours (low)	U16	h x 1				Heat Pump #3
646	Compressor operating time/24 hours	U16	1 min				Heat Pump #3
647	Compressor starts/24 hours	U16					Heat Pump #3
648	Energy heat counter high part	U16	x 10000 Kwh				Heat Pump #3
649	Energy heat counter low part	U16	x 1 Kwh				Heat Pump #3
651	Flow temperature in (when alarm occurred)	S16	0,1 °C				Heat Pump #3
652	Flow temperature out (when alarm occurred)	S16	0,1 °C				Heat Pump #3
653	Brine temperature in (when alarm occurred)	S16	0,1 °C				Heat Pump #3
654	Brine temperature out (when alarm occurred)	S16	0,1 °C				Heat Pump #3
655	Outdoor temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #3
656	Superheat temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #3
657	High pressure (when alarm occurred)	S16	0,1 Bar				Heat Pump #3
658	Low pressure (when alarm occurred)	S16	0,1 Bar				Heat Pump #3
659	Expansion valve position (when alarm occurred)	S16	0,1 %				Heat Pump #3
660	Soft starter current (when alarm occurred)	S16	0,1 A				Heat Pump #3
661	Hp Bios version	S16					Heat Pump #3
662	Hp Application Software Version	S16					Heat Pump #3
663	Discharge superheat temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #3
664	Stored CTC product type	S16		0	2	0	Heat Pump #3
665	Stored compressor type	S16		0	12	0	Heat Pump #3
667	Max outdoor compressor operation Ecoair	S16		150	700	400	Heat Pump #3
673	Min outdoor compressor operation Ecoair	S16		0	100	0	Heat Pump #3
676	Start delay time	S16		0	1	0	Heat Pump #3
742	Brine in min temp	S16		0	999	392	Heat Pump #3
743	Brine max delta temp	S16		0	999	347	Heat Pump #3
746	HP demand type	S16		0	3	0	Heat Pump #3
747	HP demand	S16		0	1000	0	Heat Pump #3
748	Command to reset all alarms on supervisor	S16		0	1	0	Heat Pump #3
749	Start delay reset	S16		0	1	0	Heat Pump #3
752	Charge pump speed demand.	S16		0	1000	0	Heat Pump #3
753	Brine pump speed demand.(EcoHeat/EcoPart) / Fan speed demand.(EcoAir)	S16		0	1000	0	Heat Pump #3
788	Brine temperature out	S16					Heat Pump #4
789	Brine temperature in	S16					Heat Pump #4
790	Flow temperature in	S16					Heat Pump #4
791	OutsideTemp	S16					Heat Pump #4
792	Flow temperature out	S16					Heat Pump #4
795	High pressure	S16					Heat Pump #4
796	Low pressure	S16					Heat Pump #4
797	Calculated condensing temperature	S16					Heat Pump #4
798	Calculated evaporating temperature	S16					Heat Pump #4
803	Soft start current	S16					Heat Pump #4
804	Defrost timer	S16					Heat Pump #4
805	Compressor start delay timer	S16					Heat Pump #4
806	Charge pump value (%)	S16					Heat Pump #4
807	Fan brine pump value	S16					Heat Pump #4
808	Relays	S16					Heat Pump #4
808	0 Compressor	Bit	1=On, 0=Off				Heat Pump #4
808	1 Fan low speed	Bit	1=On, 0=Off				Heat Pump #4
808	2 Fan high speed	Bit	1=On, 0=Off				Heat Pump #4
808	3 Brine pump	Bit	1=On, 0=Off				Heat Pump #4
808	4 Charge pump	Bit	1=On, 0=Off				Heat Pump #4
808	5 Heating cable	Bit	1=On, 0=Off				Heat Pump #4
808	6 Defrost 4-way valve	Bit	1=On, 0=Off				Heat Pump #4
808	7 N/C	Bit	1=On, 0=Off				Heat Pump #4
808	8 N/C	Bit	1=On, 0=Off				Heat Pump #4
808	9 N/C	Bit	1=On, 0=Off				Heat Pump #4
808	10 N/C	Bit	1=On, 0=Off				Heat Pump #4
808	11 N/C	Bit	1=On, 0=Off				Heat Pump #4
808	12 N/C	Bit	1=On, 0=Off				Heat Pump #4
808	13 N/C	Bit	1=On, 0=Off				Heat Pump #4
808	14 N/C	Bit	1=On, 0=Off				Heat Pump #4
808	15 N/C	Bit	1=On, 0=Off				Heat Pump #4
813	Compressor blocks	S16					Heat Pump #4
813	0 High return temp.	Bit	1=Active, 0=Inactive				Heat Pump #4
813	1 High discharge temp.	Bit	1=Active, 0=Inactive				Heat Pump #4
813	2 Low outdoor temp.	Bit	1=Active, 0=Inactive				Heat Pump #4
813	3 High outdoor temp.	Bit	1=Active, 0=Inactive				Heat Pump #4
813	4 Low evaporation temp	Bit	1=Active, 0=Inactive				Heat Pump #4
813	5 High evaporation temp	Bit	1=Active, 0=Inactive				Heat Pump #4
813	6 High condensing temp	Bit	1=Active, 0=Inactive				Heat Pump #4
813	7 Low suction temp EVO	Bit	1=Active, 0=Inactive				Heat Pump #4
813	8 Low evap. temp. EVO	Bit	1=Active, 0=Inactive				Heat Pump #4
813	9 High evap. temp. EVO	Bit	1=Active, 0=Inactive				Heat Pump #4
813	10 Low superheat EVO	Bit	1=Active, 0=Inactive				Heat Pump #4
813	11 High condense temp.EVO	Bit	1=Active, 0=Inactive				Heat Pump #4
813	12 High pressure	Bit	1=Active, 0=Inactive				Heat Pump #4
813	13 N/C	Bit	1=Active, 0=Inactive				Heat Pump #4
813	14 N/C	Bit	1=Active, 0=Inactive				Heat Pump #4
813	15 N/C	Bit	1=Active, 0=Inactive				Heat Pump #4
814	Alarm1	S16					Heat Pump #4
814	0 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
814	1 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
814	2 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
814	3 Alarm 1: Pump overload	Bit	1=Active, 0=Inactive				Heat Pump #4
814	4 Alarm 1: System pump overload	Bit	1=Active, 0=Inactive				Heat Pump #4
814	5 Alarm 1: Compressor overload	Bit	1=Active, 0=Inactive				Heat Pump #4
814	6 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
814	7 Alarm 1: High pressure	Bit	1=Active, 0=Inactive				Heat Pump #4

814	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
814	9 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
814	10 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
814	11 Alarm 1: Risk of freezing	Bit	1=Active, 0=Inactive				Heat Pump #4
814	12 Alarm 1: Low brine flow	Bit	1=Active, 0=Inactive				Heat Pump #4
814	13 Alarm 1: Low brine temperature	Bit	1=Active, 0=Inactive				Heat Pump #4
814	14 N/C	Bit	1=Active, 0=Inactive				Heat Pump #4
814	15 N/C	Bit	1=Active, 0=Inactive				Heat Pump #4
815	Alarm2	S16					Heat Pump #4
815	0 Alarm 2: Low pressure diff	Bit	1=Active, 0=Inactive				Heat Pump #4
815	1 Alarm 2: Sensor brine out	Bit	1=Active, 0=Inactive				Heat Pump #4
815	2 Alarm 2: Sensor brine in	Bit	1=Active, 0=Inactive				Heat Pump #4
815	3 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
815	4 Alarm 2: Sensor heat pump in	Bit	1=Active, 0=Inactive				Heat Pump #4
815	5 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
815	6 Alarm 2: Sensor outdoor	Bit	1=Active, 0=Inactive				Heat Pump #4
815	7 Alarm 2: Sensor heat pump out	Bit	1=Active, 0=Inactive				Heat Pump #4
815	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
815	9 Alarm 2: Sensor discharge	Bit	1=Active, 0=Inactive				Heat Pump #4
815	10 Alarm 2: Sensor suction gas	Bit	1=Active, 0=Inactive				Heat Pump #4
815	11 Alarm 2: Sensor high pressure	Bit	1=Active, 0=Inactive				Heat Pump #4
815	12 Alarm 2: Sensor low pressure	Bit	1=Active, 0=Inactive				Heat Pump #4
815	13 Alarm 2: Fan	Bit	1=Active, 0=Inactive				Heat Pump #4
815	14 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
815	15 Alarm 2: 4-way valve	Bit	1=Active, 0=Inactive				Heat Pump #4
816	Alarm3	S16					Heat Pump #4
816	0 Alarm 3: Compressor Inverter	Bit	1=Active, 0=Inactive				Heat Pump #4
816	1 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
816	2 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
816	3 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
816	4 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
816	5 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
816	6 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
816	7 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
816	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
816	9 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
816	10 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
816	11 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
816	12 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
816	13 Alarm 3: EVO Off	Bit	1=Active, 0=Inactive				Heat Pump #4
816	14 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
816	15 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
817	Alarm4	S16					Heat Pump #4
817	0 Alarm 4: Compressor high current	Bit	1=Active, 0=Inactive				Heat Pump #4
817	1 Alarm 4: Compressor low current	Bit	1=Active, 0=Inactive				Heat Pump #4
817	2 Alarm 4: Phase 1 missing	Bit	1=Active, 0=Inactive				Heat Pump #4
817	3 Alarm 4: Phase 2 missing	Bit	1=Active, 0=Inactive				Heat Pump #4
817	4 Alarm 4: Phase 3 missing	Bit	1=Active, 0=Inactive				Heat Pump #4
817	5 Alarm 4: Phase sequence error	Bit	1=Active, 0=Inactive				Heat Pump #4
817	6 Alarm 4: Communication error Softstarter	Bit	1=Active, 0=Inactive				Heat Pump #4
817	7 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
817	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
817	9 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
817	10 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
817	11 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
817	12 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
817	13 N/A	Bit	1=Active, 0=Inactive				Heat Pump #4
817	14 N/C	Bit	1=Active, 0=Inactive				Heat Pump #4
817	15 N/C	Bit	1=Active, 0=Inactive				Heat Pump #4
821	Compressor operating hours (high)	U16	h x 1000				Heat Pump #4
822	Compressor operating hours (low)	U16	h x 1				Heat Pump #4
823	Compressor operating time/24 hours	U16	1 min				Heat Pump #4
824	Compressor starts/24 hours	U16					Heat Pump #4
825	Energy heat counter high part	U16	x 10000 Kwh				Heat Pump #4
826	Energy heat counter low part	U16	x 1 Kwh				Heat Pump #4
828	Flow temperature in (when alarm occurred)	S16	0,1 °C				Heat Pump #4
829	Flow temperature out (when alarm occurred)	S16	0,1 °C				Heat Pump #4
830	Brine temperature in (when alarm occurred)	S16	0,1 °C				Heat Pump #4
831	Brine temperature out (when alarm occurred)	S16	0,1 °C				Heat Pump #4
832	Outdoor temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #4
833	Superheat temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #4
834	High pressure (when alarm occurred)	S16	0,1 Bar				Heat Pump #4
835	Low pressure (when alarm occurred)	S16	0,1 Bar				Heat Pump #4
836	Expansion valve position (when alarm occurred)	S16	0,1 %				Heat Pump #4
837	Soft starter current (when alarm occurred)	S16	0,1 A				Heat Pump #4
838	Hp Bios version	S16					Heat Pump #4
839	Hp Application Software Version	S16					Heat Pump #4
840	Discharge superheat temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #4
841	Stored CTC product type	S16		0	2	0	Heat Pump #4
842	Stored compressor type	S16		0	12	0	Heat Pump #4
844	Max outdoor compressor operation Ecoair	S16		150	700	400	Heat Pump #4
850	Min outdoor compressor operation Ecoair	S16		0	100	0	Heat Pump #4
853	Start delay time	S16		0	1	0	Heat Pump #4
919	Brine in min temp	S16		0	999	392	Heat Pump #4
920	Brine max delta temp	S16		0	999	347	Heat Pump #4
923	HP demand type	S16		0	3	0	Heat Pump #4
924	HP demand	S16		0	1000	0	Heat Pump #4
925	Command to reset all alarms on supervisor	S16		0	1	0	Heat Pump #4
926	Start delay reset	S16		0	1	0	Heat Pump #4
929	Charge pump speed demand.	S16		0	1000	0	Heat Pump #4
930	Brine pump speed demand.(EcoHeat/EcoPart) / Fan speed demand.(EcoAir)	S16		0	1000	0	Heat Pump #4
965	Brine temperature out	S16					Heat Pump #5
966	Brine temperature in	S16					Heat Pump #5
967	Flow temperature in	S16					Heat Pump #5
968	OutsideTemp	S16					Heat Pump #5
969	Flow temperature out	S16					Heat Pump #5
972	High pressure	S16					Heat Pump #5
973	Low pressure	S16					Heat Pump #5
974	Calculated condensing temperature	S16					Heat Pump #5
975	Calculated evaporating temperature	S16					Heat Pump #5
980	Soft start current	S16					Heat Pump #5
981	Defrost timer	S16					Heat Pump #5

982	Compressor start delay timer	S16		Heat Pump #5
983	Charge pump value (%)	S16		Heat Pump #5
984	Fan brine pump value	S16		Heat Pump #5
985	Relays	S16		Heat Pump #5
985	0 Compressor	Bit	1=On, 0=Off	Heat Pump #5
985	1 Fan low speed	Bit	1=On, 0=Off	Heat Pump #5
985	2 Fan high speed	Bit	1=On, 0=Off	Heat Pump #5
985	3 Brine pump	Bit	1=On, 0=Off	Heat Pump #5
985	4 Charge pump	Bit	1=On, 0=Off	Heat Pump #5
985	5 Heating cable	Bit	1=On, 0=Off	Heat Pump #5
985	6 Defrost 4-way valve	Bit	1=On, 0=Off	Heat Pump #5
985	7 N/C	Bit	1=On, 0=Off	Heat Pump #5
985	8 N/C	Bit	1=On, 0=Off	Heat Pump #5
985	9 N/C	Bit	1=On, 0=Off	Heat Pump #5
985	10 N/C	Bit	1=On, 0=Off	Heat Pump #5
985	11 N/C	Bit	1=On, 0=Off	Heat Pump #5
985	12 N/C	Bit	1=On, 0=Off	Heat Pump #5
985	13 N/C	Bit	1=On, 0=Off	Heat Pump #5
985	14 N/C	Bit	1=On, 0=Off	Heat Pump #5
985	15 N/C	Bit	1=On, 0=Off	Heat Pump #5
990	Compressor blocks	S16		Heat Pump #5
990	0 High return temp.	Bit	1=Active, 0=Inactive	Heat Pump #5
990	1 High discharge temp.	Bit	1=Active, 0=Inactive	Heat Pump #5
990	2 Low outdoor temp.	Bit	1=Active, 0=Inactive	Heat Pump #5
990	3 High outdoor temp.	Bit	1=Active, 0=Inactive	Heat Pump #5
990	4 Low evaporation temp	Bit	1=Active, 0=Inactive	Heat Pump #5
990	5 High evaporation temp	Bit	1=Active, 0=Inactive	Heat Pump #5
990	6 High condensing temp	Bit	1=Active, 0=Inactive	Heat Pump #5
990	7 Low suction temp EVO	Bit	1=Active, 0=Inactive	Heat Pump #5
990	8 Low evap. temp. EVO	Bit	1=Active, 0=Inactive	Heat Pump #5
990	9 High evap. temp. EVO	Bit	1=Active, 0=Inactive	Heat Pump #5
990	10 Low superheat EVO	Bit	1=Active, 0=Inactive	Heat Pump #5
990	11 High condense temp.EVO	Bit	1=Active, 0=Inactive	Heat Pump #5
990	12 High pressure	Bit	1=Active, 0=Inactive	Heat Pump #5
990	13 N/C	Bit	1=Active, 0=Inactive	Heat Pump #5
990	14 N/C	Bit	1=Active, 0=Inactive	Heat Pump #5
990	15 N/C	Bit	1=Active, 0=Inactive	Heat Pump #5
991	Alarm1	S16		Heat Pump #5
991	0 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
991	1 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
991	2 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
991	3 Alarm 1: Pump overload	Bit	1=Active, 0=Inactive	Heat Pump #5
991	4 Alarm 1: System pump overload	Bit	1=Active, 0=Inactive	Heat Pump #5
991	5 Alarm 1: Compressor overload	Bit	1=Active, 0=Inactive	Heat Pump #5
991	6 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
991	7 Alarm 1: High pressure	Bit	1=Active, 0=Inactive	Heat Pump #5
991	8 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
991	9 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
991	10 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
991	11 Alarm 1: Risk of freezing	Bit	1=Active, 0=Inactive	Heat Pump #5
991	12 Alarm 1: Low brine flow	Bit	1=Active, 0=Inactive	Heat Pump #5
991	13 Alarm 1: Low brine temperature	Bit	1=Active, 0=Inactive	Heat Pump #5
991	14 N/C	Bit	1=Active, 0=Inactive	Heat Pump #5
991	15 N/C	Bit	1=Active, 0=Inactive	Heat Pump #5
992	Alarm2	S16		Heat Pump #5
992	0 Alarm 2: Low pressure diff	Bit	1=Active, 0=Inactive	Heat Pump #5
992	1 Alarm 2: Sensor brine out	Bit	1=Active, 0=Inactive	Heat Pump #5
992	2 Alarm 2: Sensor brine in	Bit	1=Active, 0=Inactive	Heat Pump #5
992	3 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
992	4 Alarm 2: Sensor heat pump in	Bit	1=Active, 0=Inactive	Heat Pump #5
992	5 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
992	6 Alarm 2: Sensor outdoor	Bit	1=Active, 0=Inactive	Heat Pump #5
992	7 Alarm 2: Sensor heat pump out	Bit	1=Active, 0=Inactive	Heat Pump #5
992	8 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
992	9 Alarm 2: Sensor discharge	Bit	1=Active, 0=Inactive	Heat Pump #5
992	10 Alarm 2: Sensor suction gas	Bit	1=Active, 0=Inactive	Heat Pump #5
992	11 Alarm 2: Sensor high pressure	Bit	1=Active, 0=Inactive	Heat Pump #5
992	12 Alarm 2: Sensor low pressure	Bit	1=Active, 0=Inactive	Heat Pump #5
992	13 Alarm 2: Fan	Bit	1=Active, 0=Inactive	Heat Pump #5
992	14 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
992	15 Alarm 2: 4-way valve	Bit	1=Active, 0=Inactive	Heat Pump #5
993	Alarm3	S16		Heat Pump #5
993	0 Alarm 3: Compressor Inverter	Bit	1=Active, 0=Inactive	Heat Pump #5
993	1 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
993	2 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
993	3 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
993	4 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
993	5 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
993	6 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
993	7 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
993	8 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
993	9 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
993	10 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
993	11 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
993	12 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
993	13 Alarm 3: EVO Off	Bit	1=Active, 0=Inactive	Heat Pump #5
993	14 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
993	15 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
994	Alarm4	S16		Heat Pump #5
994	0 Alarm 4: Compressor high current	Bit	1=Active, 0=Inactive	Heat Pump #5
994	1 Alarm 4: Compressor low current	Bit	1=Active, 0=Inactive	Heat Pump #5
994	2 Alarm 4: Phase 1 missing	Bit	1=Active, 0=Inactive	Heat Pump #5
994	3 Alarm 4: Phase 2 missing	Bit	1=Active, 0=Inactive	Heat Pump #5
994	4 Alarm 4: Phase 3 missing	Bit	1=Active, 0=Inactive	Heat Pump #5
994	5 Alarm 4: Phase sequence error	Bit	1=Active, 0=Inactive	Heat Pump #5
994	6 Alarm 4: Communication error Softstarter	Bit	1=Active, 0=Inactive	Heat Pump #5
994	7 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
994	8 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
994	9 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
994	10 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
994	11 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
994	12 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
994	13 N/A	Bit	1=Active, 0=Inactive	Heat Pump #5
994	14 N/C	Bit	1=Active, 0=Inactive	Heat Pump #5
994	15 N/C	Bit	1=Active, 0=Inactive	Heat Pump #5

998	Compressor operating hours (high)	U16	h x 1000				Heat Pump #5
999	Compressor operating hours (low)	U16	h x 1				Heat Pump #5
1000	Compressor operating time/24 hours	U16	1 min				Heat Pump #5
1001	Compressor starts/24 hours	U16					Heat Pump #5
1002	Energy heat counter high part	U16	x 10000 Kwh				Heat Pump #5
1003	Energy heat counter low part	U16	x 1 Kwh				Heat Pump #5
1005	Flow temperature in (when alarm occurred)	S16	0,1 °C				Heat Pump #5
1006	Flow temperature out (when alarm occurred)	S16	0,1 °C				Heat Pump #5
1007	Brine temperature in (when alarm occurred)	S16	0,1 °C				Heat Pump #5
1008	Brine temperature out (when alarm occurred)	S16	0,1 °C				Heat Pump #5
1009	Outdoor temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #5
1010	Superheat temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #5
1011	High pressure (when alarm occurred)	S16	0,1 Bar				Heat Pump #5
1012	Low pressure (when alarm occurred)	S16	0,1 Bar				Heat Pump #5
1013	Expansion valve position (when alarm occurred)	S16	0,1 %				Heat Pump #5
1014	Soft starter current (when alarm occurred)	S16	0,1 A				Heat Pump #5
1015	Hp Bios version	S16					Heat Pump #5
1016	Hp Application Software Version	S16					Heat Pump #5
1017	Discharge superheat temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #5
1018	Stored CTC product type	S16		0	2	0	Heat Pump #5
1019	Stored compressor type	S16		0	12	0	Heat Pump #5
1021	Max outdoor compressor operation Ecoair	S16		150	700	400	Heat Pump #5
1027	Min outdoor compressor operation Ecoair	S16		0	100	0	Heat Pump #5
1030	Start delay time	S16		0	1	0	Heat Pump #5
1096	Brine in min temp	S16		0	999	392	Heat Pump #5
1097	Brine max delta temp	S16		0	999	347	Heat Pump #5
1100	HP demand type	S16		0	3	0	Heat Pump #5
1101	HP demand	S16		0	1000	0	Heat Pump #5
1102	Command to reset all alarms on supervisor	S16		0	1	0	Heat Pump #5
1103	Start delay reset	S16		0	1	0	Heat Pump #5
1106	Charge pump speed demand.	S16		0	1000	0	Heat Pump #5
1107	Brine pump speed demand.(EcoHeat/EcoPart) / Fan speed demand.(EcoAir)	S16		0	1000	0	Heat Pump #5
1142	Brine temperature out	S16					Heat Pump #6
1143	Brine temperature in	S16					Heat Pump #6
1144	Flow temperature in	S16					Heat Pump #6
1145	OutsideTemp	S16					Heat Pump #6
1146	Flow temperature out	S16					Heat Pump #6
1149	High pressure	S16					Heat Pump #6
1150	Low pressure	S16					Heat Pump #6
1151	Calculated condensing temperature	S16					Heat Pump #6
1152	Calculated evaporating temperature	S16					Heat Pump #6
1157	Soft start current	S16					Heat Pump #6
1158	Defrost timer	S16					Heat Pump #6
1159	Compressor start delay timer	S16					Heat Pump #6
1160	Charge pump value (%)	S16					Heat Pump #6
1161	Fan brine pump value	S16					Heat Pump #6
1162	Relays	S16					Heat Pump #6
1162	0 Compressor	Bit	1=On, 0=Off				Heat Pump #6
1162	1 Fan low speed	Bit	1=On, 0=Off				Heat Pump #6
1162	2 Fan high speed	Bit	1=On, 0=Off				Heat Pump #6
1162	3 Brine pump	Bit	1=On, 0=Off				Heat Pump #6
1162	4 Charge pump	Bit	1=On, 0=Off				Heat Pump #6
1162	5 Heating cable	Bit	1=On, 0=Off				Heat Pump #6
1162	6 Defrost 4-way valve	Bit	1=On, 0=Off				Heat Pump #6
1162	7 N/C	Bit	1=On, 0=Off				Heat Pump #6
1162	8 N/C	Bit	1=On, 0=Off				Heat Pump #6
1162	9 N/C	Bit	1=On, 0=Off				Heat Pump #6
1162	10 N/C	Bit	1=On, 0=Off				Heat Pump #6
1162	11 N/C	Bit	1=On, 0=Off				Heat Pump #6
1162	12 N/C	Bit	1=On, 0=Off				Heat Pump #6
1162	13 N/C	Bit	1=On, 0=Off				Heat Pump #6
1162	14 N/C	Bit	1=On, 0=Off				Heat Pump #6
1162	15 N/C	Bit	1=On, 0=Off				Heat Pump #6
1167	Compressor blocks	S16					Heat Pump #6
1167	0 High return temp.	Bit	1=Active, 0=Inactive				Heat Pump #6
1167	1 High discharge temp.	Bit	1=Active, 0=Inactive				Heat Pump #6
1167	2 Low outdoor temp.	Bit	1=Active, 0=Inactive				Heat Pump #6
1167	3 High outdoor temp.	Bit	1=Active, 0=Inactive				Heat Pump #6
1167	4 Low evaporation temp	Bit	1=Active, 0=Inactive				Heat Pump #6
1167	5 High evaporation temp	Bit	1=Active, 0=Inactive				Heat Pump #6
1167	6 High condensing temp	Bit	1=Active, 0=Inactive				Heat Pump #6
1167	7 Low suction temp EVO	Bit	1=Active, 0=Inactive				Heat Pump #6
1167	8 Low evap. temp. EVO	Bit	1=Active, 0=Inactive				Heat Pump #6
1167	9 High evap. temp. EVO	Bit	1=Active, 0=Inactive				Heat Pump #6
1167	10 Low superheat EVO	Bit	1=Active, 0=Inactive				Heat Pump #6
1167	11 High condense temp.EVO	Bit	1=Active, 0=Inactive				Heat Pump #6
1167	12 High pressure	Bit	1=Active, 0=Inactive				Heat Pump #6
1167	13 N/C	Bit	1=Active, 0=Inactive				Heat Pump #6
1167	14 N/C	Bit	1=Active, 0=Inactive				Heat Pump #6
1167	15 N/C	Bit	1=Active, 0=Inactive				Heat Pump #6
1168	Alarm1	S16					Heat Pump #6
1168	0 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1168	1 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1168	2 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1168	3 Alarm 1: Pump overload	Bit	1=Active, 0=Inactive				Heat Pump #6
1168	4 Alarm 1: System pump overload	Bit	1=Active, 0=Inactive				Heat Pump #6
1168	5 Alarm 1: Compressor overload	Bit	1=Active, 0=Inactive				Heat Pump #6
1168	6 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1168	7 Alarm 1: High pressure	Bit	1=Active, 0=Inactive				Heat Pump #6
1168	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1168	9 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1168	10 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1168	11 Alarm 1: Risk of freezing	Bit	1=Active, 0=Inactive				Heat Pump #6
1168	12 Alarm 1: Low brine flow	Bit	1=Active, 0=Inactive				Heat Pump #6
1168	13 Alarm 1: Low brine temperature	Bit	1=Active, 0=Inactive				Heat Pump #6
1168	14 N/C	Bit	1=Active, 0=Inactive				Heat Pump #6
1168	15 N/C	Bit	1=Active, 0=Inactive				Heat Pump #6
1169	Alarm2	S16					Heat Pump #6
1169	0 Alarm 2: Low pressure diff	Bit	1=Active, 0=Inactive				Heat Pump #6
1169	1 Alarm 2: Sensor brine out	Bit	1=Active, 0=Inactive				Heat Pump #6
1169	2 Alarm 2: Sensor brine in	Bit	1=Active, 0=Inactive				Heat Pump #6
1169	3 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6

1169	4 Alarm 2: Sensor heat pump in	Bit	1=Active, 0=Inactive				Heat Pump #6
1169	5 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1169	6 Alarm 2: Sensor outdoor	Bit	1=Active, 0=Inactive				Heat Pump #6
1169	7 Alarm 2: Sensor heat pump out	Bit	1=Active, 0=Inactive				Heat Pump #6
1169	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1169	9 Alarm 2: Sensor discharge	Bit	1=Active, 0=Inactive				Heat Pump #6
1169	10 Alarm 2: Sensor suction gas	Bit	1=Active, 0=Inactive				Heat Pump #6
1169	11 Alarm 2: Sensor high pressure	Bit	1=Active, 0=Inactive				Heat Pump #6
1169	12 Alarm 2: Sensor low pressure	Bit	1=Active, 0=Inactive				Heat Pump #6
1169	13 Alarm 2: Fan	Bit	1=Active, 0=Inactive				Heat Pump #6
1169	14 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1169	15 Alarm 2: 4-way valve	Bit	1=Active, 0=Inactive				Heat Pump #6
1170	Alarm3	S16					Heat Pump #6
1170	0 Alarm 3: Compressor Inverter	Bit	1=Active, 0=Inactive				Heat Pump #6
1170	1 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1170	2 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1170	3 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1170	4 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1170	5 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1170	6 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1170	7 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1170	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1170	9 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1170	10 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1170	11 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1170	12 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1170	13 Alarm 3: EVO Off	Bit	1=Active, 0=Inactive				Heat Pump #6
1170	14 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1170	15 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1171	Alarm4	S16					Heat Pump #6
1171	0 Alarm 4: Compressor high current	Bit	1=Active, 0=Inactive				Heat Pump #6
1171	1 Alarm 4: Compressor low current	Bit	1=Active, 0=Inactive				Heat Pump #6
1171	2 Alarm 4: Phase 1 missing	Bit	1=Active, 0=Inactive				Heat Pump #6
1171	3 Alarm 4: Phase 2 missing	Bit	1=Active, 0=Inactive				Heat Pump #6
1171	4 Alarm 4: Phase 3 missing	Bit	1=Active, 0=Inactive				Heat Pump #6
1171	5 Alarm 4: Phase sequence error	Bit	1=Active, 0=Inactive				Heat Pump #6
1171	6 Alarm 4: Communication error Softstarter	Bit	1=Active, 0=Inactive				Heat Pump #6
1171	7 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1171	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1171	9 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1171	10 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1171	11 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1171	12 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1171	13 N/A	Bit	1=Active, 0=Inactive				Heat Pump #6
1171	14 N/C	Bit	1=Active, 0=Inactive				Heat Pump #6
1171	15 N/C	Bit	1=Active, 0=Inactive				Heat Pump #6
1175	Compressor operating hours (high)	U16	h x 1000				Heat Pump #6
1176	Compressor operating hours (low)	U16	h x 1				Heat Pump #6
1177	Compressor operating time/24 hours	U16	1 min				Heat Pump #6
1178	Compressor starts/24 hours	U16					Heat Pump #6
1179	Energy heat counter high part	U16	x 10000 Kwh				Heat Pump #6
1180	Energy heat counter low part	U16	x 1 Kwh				Heat Pump #6
1182	Flow temperature in (when alarm occurred)	S16	0,1 °C				Heat Pump #6
1183	Flow temperature out (when alarm occurred)	S16	0,1 °C				Heat Pump #6
1184	Brine temperature in (when alarm occurred)	S16	0,1 °C				Heat Pump #6
1185	Brine temperature out (when alarm occurred)	S16	0,1 °C				Heat Pump #6
1186	Outdoor temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #6
1187	Superheat temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #6
1188	High pressure (when alarm occurred)	S16	0,1 Bar				Heat Pump #6
1189	Low pressure (when alarm occurred)	S16	0,1 Bar				Heat Pump #6
1190	Expansion valve position (when alarm occurred)	S16	0,1 %				Heat Pump #6
1191	Soft starter current (when alarm occurred)	S16	0,1 A				Heat Pump #6
1192	Hp Bios version	S16					Heat Pump #6
1193	Hp Application Software Version	S16					Heat Pump #6
1194	Discharge superheat temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #6
1195	Stored CTC product type	S16		0	2	0	Heat Pump #6
1196	Stored compressor type	S16		0	12	0	Heat Pump #6
1198	Max outdoor compressor operation Ecoair	S16		150	700	400	Heat Pump #6
1204	Min outdoor compressor operation Ecoair	S16		0	100	0	Heat Pump #6
1207	Start delay time	S16		0	1	0	Heat Pump #6
1273	Brine in min temp	S16		0	999	392	Heat Pump #6
1274	Brine max delta temp	S16		0	999	347	Heat Pump #6
1277	HP demand type	S16		0	3	0	Heat Pump #6
1278	HP demand	S16		0	1000	0	Heat Pump #6
1279	Command to reset all alarms on supervisor	S16		0	1	0	Heat Pump #6
1280	Start delay reset	S16		0	1	0	Heat Pump #6
1283	Charge pump speed demand.	S16		0	1000	0	Heat Pump #6
1284	Brine pump speed demand.(EcoHeat/EcoPart) / Fan speed demand.(EcoAir)	S16		0	1000	0	Heat Pump #6
1319	Brine temperature out	S16					Heat Pump #7
1320	Brine temperature in	S16					Heat Pump #7
1321	Flow temperature in	S16					Heat Pump #7
1322	OutsideTemp	S16					Heat Pump #7
1323	Flow temperature out	S16					Heat Pump #7
1326	High pressure	S16					Heat Pump #7
1327	Low pressure	S16					Heat Pump #7
1328	Calculated condensing temperature	S16					Heat Pump #7
1329	Calculated evaporating temperature	S16					Heat Pump #7
1334	Soft start current	S16					Heat Pump #7
1335	Defrost timer	S16					Heat Pump #7
1336	Compressor start delay timer	S16					Heat Pump #7
1337	Charge pump value (%)	S16					Heat Pump #7
1338	Fan brine pump value	S16					Heat Pump #7
1339	Relays	S16					Heat Pump #7
1339	0 Compressor	Bit	1=On, 0=Off				Heat Pump #7
1339	1 Fan low speed	Bit	1=On, 0=Off				Heat Pump #7
1339	2 Fan high speed	Bit	1=On, 0=Off				Heat Pump #7
1339	3 Brine pump	Bit	1=On, 0=Off				Heat Pump #7
1339	4 Charge pump	Bit	1=On, 0=Off				Heat Pump #7
1339	5 Heating cable	Bit	1=On, 0=Off				Heat Pump #7
1339	6 Defrost 4-way valve	Bit	1=On, 0=Off				Heat Pump #7
1339	7 N/C	Bit	1=On, 0=Off				Heat Pump #7
1339	8 N/C	Bit	1=On, 0=Off				Heat Pump #7

1339	9 N/C	Bit	1=On, 0=Off	Heat Pump #7
1339	10 N/C	Bit	1=On, 0=Off	Heat Pump #7
1339	11 N/C	Bit	1=On, 0=Off	Heat Pump #7
1339	12 N/C	Bit	1=On, 0=Off	Heat Pump #7
1339	13 N/C	Bit	1=On, 0=Off	Heat Pump #7
1339	14 N/C	Bit	1=On, 0=Off	Heat Pump #7
1339	15 N/C	Bit	1=On, 0=Off	Heat Pump #7
1344	Compressor blocks	S16		Heat Pump #7
1344	0 High return temp.	Bit	1=Active, 0=Inactive	Heat Pump #7
1344	1 High discharge temp.	Bit	1=Active, 0=Inactive	Heat Pump #7
1344	2 Low outdoor temp.	Bit	1=Active, 0=Inactive	Heat Pump #7
1344	3 High outdoor temp.	Bit	1=Active, 0=Inactive	Heat Pump #7
1344	4 Low evaporation temp	Bit	1=Active, 0=Inactive	Heat Pump #7
1344	5 High evaporation temp	Bit	1=Active, 0=Inactive	Heat Pump #7
1344	6 High condensing temp	Bit	1=Active, 0=Inactive	Heat Pump #7
1344	7 Low suction temp EVO	Bit	1=Active, 0=Inactive	Heat Pump #7
1344	8 Low evap. temp. EVO	Bit	1=Active, 0=Inactive	Heat Pump #7
1344	9 High evap. temp. EVO	Bit	1=Active, 0=Inactive	Heat Pump #7
1344	10 Low superheat EVO	Bit	1=Active, 0=Inactive	Heat Pump #7
1344	11 High condense temp.EVO	Bit	1=Active, 0=Inactive	Heat Pump #7
1344	12 High pressure	Bit	1=Active, 0=Inactive	Heat Pump #7
1344	13 N/C	Bit	1=Active, 0=Inactive	Heat Pump #7
1344	14 N/C	Bit	1=Active, 0=Inactive	Heat Pump #7
1344	15 N/C	Bit	1=Active, 0=Inactive	Heat Pump #7
1345	Alarm1	S16		Heat Pump #7
1345	0 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1345	1 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1345	2 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1345	3 Alarm 1: Pump overload	Bit	1=Active, 0=Inactive	Heat Pump #7
1345	4 Alarm 1: System pump overload	Bit	1=Active, 0=Inactive	Heat Pump #7
1345	5 Alarm 1: Compressor overload	Bit	1=Active, 0=Inactive	Heat Pump #7
1345	6 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1345	7 Alarm 1: High pressure	Bit	1=Active, 0=Inactive	Heat Pump #7
1345	8 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1345	9 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1345	10 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1345	11 Alarm 1: Risk of freezing	Bit	1=Active, 0=Inactive	Heat Pump #7
1345	12 Alarm 1: Low brine flow	Bit	1=Active, 0=Inactive	Heat Pump #7
1345	13 Alarm 1: Low brine temperature	Bit	1=Active, 0=Inactive	Heat Pump #7
1345	14 N/C	Bit	1=Active, 0=Inactive	Heat Pump #7
1345	15 N/C	Bit	1=Active, 0=Inactive	Heat Pump #7
1346	Alarm2	S16		Heat Pump #7
1346	0 Alarm 2: Low pressure diff	Bit	1=Active, 0=Inactive	Heat Pump #7
1346	1 Alarm 2: Sensor brine out	Bit	1=Active, 0=Inactive	Heat Pump #7
1346	2 Alarm 2: Sensor brine in	Bit	1=Active, 0=Inactive	Heat Pump #7
1346	3 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1346	4 Alarm 2: Sensor heat pump in	Bit	1=Active, 0=Inactive	Heat Pump #7
1346	5 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1346	6 Alarm 2: Sensor outdoor	Bit	1=Active, 0=Inactive	Heat Pump #7
1346	7 Alarm 2: Sensor heat pump out	Bit	1=Active, 0=Inactive	Heat Pump #7
1346	8 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1346	9 Alarm 2: Sensor discharge	Bit	1=Active, 0=Inactive	Heat Pump #7
1346	10 Alarm 2: Sensor suction gas	Bit	1=Active, 0=Inactive	Heat Pump #7
1346	11 Alarm 2: Sensor high pressure	Bit	1=Active, 0=Inactive	Heat Pump #7
1346	12 Alarm 2: Sensor low pressure	Bit	1=Active, 0=Inactive	Heat Pump #7
1346	13 Alarm 2: Fan	Bit	1=Active, 0=Inactive	Heat Pump #7
1346	14 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1346	15 Alarm 2: 4-way valve	Bit	1=Active, 0=Inactive	Heat Pump #7
1347	Alarm3	S16		Heat Pump #7
1347	0 Alarm 3: Compressor Inverter	Bit	1=Active, 0=Inactive	Heat Pump #7
1347	1 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1347	2 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1347	3 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1347	4 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1347	5 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1347	6 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1347	7 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1347	8 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1347	9 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1347	10 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1347	11 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1347	12 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1347	13 Alarm 3: EVO Off	Bit	1=Active, 0=Inactive	Heat Pump #7
1347	14 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1347	15 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1348	Alarm4	S16		Heat Pump #7
1348	0 Alarm 4: Compressor high current	Bit	1=Active, 0=Inactive	Heat Pump #7
1348	1 Alarm 4: Compressor low current	Bit	1=Active, 0=Inactive	Heat Pump #7
1348	2 Alarm 4: Phase 1 missing	Bit	1=Active, 0=Inactive	Heat Pump #7
1348	3 Alarm 4: Phase 2 missing	Bit	1=Active, 0=Inactive	Heat Pump #7
1348	4 Alarm 4: Phase 3 missing	Bit	1=Active, 0=Inactive	Heat Pump #7
1348	5 Alarm 4: Phase sequence error	Bit	1=Active, 0=Inactive	Heat Pump #7
1348	6 Alarm 4: Communication error Softstarter	Bit	1=Active, 0=Inactive	Heat Pump #7
1348	7 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1348	8 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1348	9 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1348	10 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1348	11 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1348	12 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1348	13 N/A	Bit	1=Active, 0=Inactive	Heat Pump #7
1348	14 N/C	Bit	1=Active, 0=Inactive	Heat Pump #7
1348	15 N/C	Bit	1=Active, 0=Inactive	Heat Pump #7
1352	Compressor operating hours (high)	U16	h x 1000	Heat Pump #7
1353	Compressor operating hours (low)	U16	h x 1	Heat Pump #7
1354	Compressor operating time/24 hours	U16	1 min	Heat Pump #7
1355	Compressor starts/24 hours	U16		Heat Pump #7
1356	Energy heat counter high part	U16	x 10000 Kwh	Heat Pump #7
1357	Energy heat counter low part	U16	x 1 Kwh	Heat Pump #7
1359	Flow temperature in (when alarm occurred)	S16	0,1 °C	Heat Pump #7
1360	Flow temperature out (when alarm occurred)	S16	0,1 °C	Heat Pump #7
1361	Brine temperature in (when alarm occurred)	S16	0,1 °C	Heat Pump #7
1362	Brine temperature out (when alarm occurred)	S16	0,1 °C	Heat Pump #7
1363	Outdoor temperature (when alarm occurred)	S16	0,1 °C	Heat Pump #7
1364	Superheat temperature (when alarm occurred)	S16	0,1 °C	Heat Pump #7
1365	High pressure (when alarm occurred)	S16	0,1 Bar	Heat Pump #7

1366	Low pressure (when alarm occurred)	S16	0,1 Bar				Heat Pump #7
1367	Expansion valve position (when alarm occurred)	S16	0,1 %				Heat Pump #7
1368	Soft starter current (when alarm occurred)	S16	0,1 A				Heat Pump #7
1369	Hp Bios version	S16					Heat Pump #7
1370	Hp Application Software Version	S16					Heat Pump #7
1371	Discharge superheat temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #7
1372	Stored CTC product type	S16		0	2	0	Heat Pump #7
1373	Stored compressor type	S16		0	12	0	Heat Pump #7
1375	Max outdoor compressor operation Ecoair	S16		150	700	400	Heat Pump #7
1381	Min outdoor compressor operation Ecoair	S16		0	100	0	Heat Pump #7
1384	Start delay time	S16		0	1	0	Heat Pump #7
1450	Brine in min temp	S16		0	999	392	Heat Pump #7
1451	Brine max delta temp	S16		0	999	347	Heat Pump #7
1454	HP demand type	S16		0	3	0	Heat Pump #7
1455	HP demand	S16		0	1000	0	Heat Pump #7
1456	Command to reset all alarms on supervisor	S16		0	1	0	Heat Pump #7
1457	Start delay reset	S16		0	1	0	Heat Pump #7
1460	Charge pump speed demand.	S16		0	1000	0	Heat Pump #7
1461	Brine pump speed demand.(EcoHeat/EcoPart) / Fan speed demand.(EcoAir)	S16		0	1000	0	Heat Pump #7
1496	Brine temperature out	S16					Heat Pump #8
1497	Brine temperature in	S16					Heat Pump #8
1498	Flow temperature in	S16					Heat Pump #8
1499	OutsideTemp	S16					Heat Pump #8
1500	Flow temperature out	S16					Heat Pump #8
1503	High pressure	S16					Heat Pump #8
1504	Low pressure	S16					Heat Pump #8
1505	Calculated condensing temperature	S16					Heat Pump #8
1506	Calculated evaporating temperature	S16					Heat Pump #8
1511	Soft start current	S16					Heat Pump #8
1512	Defrost timer	S16					Heat Pump #8
1513	Compressor start delay timer	S16					Heat Pump #8
1514	Charge pump value (%)	S16					Heat Pump #8
1515	Fan brine pump value	S16					Heat Pump #8
1516	Relays	S16					Heat Pump #8
1516	0 Compressor	Bit	1=On, 0=Off				Heat Pump #8
1516	1 Fan low speed	Bit	1=On, 0=Off				Heat Pump #8
1516	2 Fan high speed	Bit	1=On, 0=Off				Heat Pump #8
1516	3 Brine pump	Bit	1=On, 0=Off				Heat Pump #8
1516	4 Charge pump	Bit	1=On, 0=Off				Heat Pump #8
1516	5 Heating cable	Bit	1=On, 0=Off				Heat Pump #8
1516	6 Defrost 4-way valve	Bit	1=On, 0=Off				Heat Pump #8
1516	7 N/C	Bit	1=On, 0=Off				Heat Pump #8
1516	8 N/C	Bit	1=On, 0=Off				Heat Pump #8
1516	9 N/C	Bit	1=On, 0=Off				Heat Pump #8
1516	10 N/C	Bit	1=On, 0=Off				Heat Pump #8
1516	11 N/C	Bit	1=On, 0=Off				Heat Pump #8
1516	12 N/C	Bit	1=On, 0=Off				Heat Pump #8
1516	13 N/C	Bit	1=On, 0=Off				Heat Pump #8
1516	14 N/C	Bit	1=On, 0=Off				Heat Pump #8
1516	15 N/C	Bit	1=On, 0=Off				Heat Pump #8
1521	Compressor blocks	S16					Heat Pump #8
1521	0 High return temp.	Bit	1=Active, 0=Inactive				Heat Pump #8
1521	1 High discharge temp.	Bit	1=Active, 0=Inactive				Heat Pump #8
1521	2 Low outdoor temp.	Bit	1=Active, 0=Inactive				Heat Pump #8
1521	3 High outdoor temp.	Bit	1=Active, 0=Inactive				Heat Pump #8
1521	4 Low evaporation temp	Bit	1=Active, 0=Inactive				Heat Pump #8
1521	5 High evaporation temp	Bit	1=Active, 0=Inactive				Heat Pump #8
1521	6 High condensing temp	Bit	1=Active, 0=Inactive				Heat Pump #8
1521	7 Low suction temp EVO	Bit	1=Active, 0=Inactive				Heat Pump #8
1521	8 Low evap. temp. EVO	Bit	1=Active, 0=Inactive				Heat Pump #8
1521	9 High evap. temp. EVO	Bit	1=Active, 0=Inactive				Heat Pump #8
1521	10 Low superheat EVO	Bit	1=Active, 0=Inactive				Heat Pump #8
1521	11 High condense temp.EVO	Bit	1=Active, 0=Inactive				Heat Pump #8
1521	12 High pressure	Bit	1=Active, 0=Inactive				Heat Pump #8
1521	13 N/C	Bit	1=Active, 0=Inactive				Heat Pump #8
1521	14 N/C	Bit	1=Active, 0=Inactive				Heat Pump #8
1521	15 N/C	Bit	1=Active, 0=Inactive				Heat Pump #8
1522	Alarm1	S16					Heat Pump #8
1522	0 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1522	1 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1522	2 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1522	3 Alarm 1: Pump overload	Bit	1=Active, 0=Inactive				Heat Pump #8
1522	4 Alarm 1: System pump overload	Bit	1=Active, 0=Inactive				Heat Pump #8
1522	5 Alarm 1: Compressor overload	Bit	1=Active, 0=Inactive				Heat Pump #8
1522	6 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1522	7 Alarm 1: High pressure	Bit	1=Active, 0=Inactive				Heat Pump #8
1522	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1522	9 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1522	10 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1522	11 Alarm 1: Risk of freezing	Bit	1=Active, 0=Inactive				Heat Pump #8
1522	12 Alarm 1: Low brine flow	Bit	1=Active, 0=Inactive				Heat Pump #8
1522	13 Alarm 1: Low brine temperature	Bit	1=Active, 0=Inactive				Heat Pump #8
1522	14 N/C	Bit	1=Active, 0=Inactive				Heat Pump #8
1522	15 N/C	Bit	1=Active, 0=Inactive				Heat Pump #8
1523	Alarm2	S16					Heat Pump #8
1523	0 Alarm 2: Low pressure diff	Bit	1=Active, 0=Inactive				Heat Pump #8
1523	1 Alarm 2: Sensor brine out	Bit	1=Active, 0=Inactive				Heat Pump #8
1523	2 Alarm 2: Sensor brine in	Bit	1=Active, 0=Inactive				Heat Pump #8
1523	3 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1523	4 Alarm 2: Sensor heat pump in	Bit	1=Active, 0=Inactive				Heat Pump #8
1523	5 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1523	6 Alarm 2: Sensor outdoor	Bit	1=Active, 0=Inactive				Heat Pump #8
1523	7 Alarm 2: Sensor heat pump out	Bit	1=Active, 0=Inactive				Heat Pump #8
1523	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1523	9 Alarm 2: Sensor discharge	Bit	1=Active, 0=Inactive				Heat Pump #8
1523	10 Alarm 2: Sensor suction gas	Bit	1=Active, 0=Inactive				Heat Pump #8
1523	11 Alarm 2: Sensor high pressure	Bit	1=Active, 0=Inactive				Heat Pump #8
1523	12 Alarm 2: Sensor low pressure	Bit	1=Active, 0=Inactive				Heat Pump #8
1523	13 Alarm 2: Fan	Bit	1=Active, 0=Inactive				Heat Pump #8
1523	14 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1523	15 Alarm 2: 4-way valve	Bit	1=Active, 0=Inactive				Heat Pump #8
1524	Alarm3	S16					Heat Pump #8

1524	0 Alarm 3: Compressor Inverter	Bit	1=Active, 0=Inactive				Heat Pump #8
1524	1 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1524	2 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1524	3 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1524	4 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1524	5 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1524	6 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1524	7 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1524	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1524	9 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1524	10 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1524	11 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1524	12 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1524	13 Alarm 3: EVO Off	Bit	1=Active, 0=Inactive				Heat Pump #8
1524	14 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1524	15 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1525	Alarm4	S16					Heat Pump #8
1525	0 Alarm 4: Compressor high current	Bit	1=Active, 0=Inactive				Heat Pump #8
1525	1 Alarm 4: Compressor low current	Bit	1=Active, 0=Inactive				Heat Pump #8
1525	2 Alarm 4: Phase 1 missing	Bit	1=Active, 0=Inactive				Heat Pump #8
1525	3 Alarm 4: Phase 2 missing	Bit	1=Active, 0=Inactive				Heat Pump #8
1525	4 Alarm 4: Phase 3 missing	Bit	1=Active, 0=Inactive				Heat Pump #8
1525	5 Alarm 4: Phase sequence error	Bit	1=Active, 0=Inactive				Heat Pump #8
1525	6 Alarm 4: Communication error Softstarter	Bit	1=Active, 0=Inactive				Heat Pump #8
1525	7 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1525	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1525	9 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1525	10 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1525	11 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1525	12 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1525	13 N/A	Bit	1=Active, 0=Inactive				Heat Pump #8
1525	14 N/C	Bit	1=Active, 0=Inactive				Heat Pump #8
1525	15 N/C	Bit	1=Active, 0=Inactive				Heat Pump #8
1529	Compressor operating hours (high)	U16	h x 1000				Heat Pump #8
1530	Compressor operating hours (low)	U16	h x 1				Heat Pump #8
1531	Compressor operating time/24 hours	U16	1 min				Heat Pump #8
1532	Compressor starts/24 hours	U16					Heat Pump #8
1533	Energy heat counter high part	U16	x 10000 Kwh				Heat Pump #8
1534	Energy heat counter low part	U16	x 1 Kwh				Heat Pump #8
1536	Flow temperature in (when alarm occurred)	S16	0,1 °C				Heat Pump #8
1537	Flow temperature out (when alarm occurred)	S16	0,1 °C				Heat Pump #8
1538	Brine temperature in (when alarm occurred)	S16	0,1 °C				Heat Pump #8
1539	Brine temperature out (when alarm occurred)	S16	0,1 °C				Heat Pump #8
1540	Outdoor temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #8
1541	Superheat temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #8
1542	High pressure (when alarm occurred)	S16	0,1 Bar				Heat Pump #8
1543	Low pressure (when alarm occurred)	S16	0,1 Bar				Heat Pump #8
1544	Expansion valve position (when alarm occurred)	S16	0,1 %				Heat Pump #8
1545	Soft starter current (when alarm occurred)	S16	0,1 A				Heat Pump #8
1546	Hp Bios version	S16					Heat Pump #8
1547	Hp Application Software Version	S16					Heat Pump #8
1548	Discharge superheat temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #8
1549	Stored CTC product type	S16		0	2	0	Heat Pump #8
1550	Stored compressor type	S16		0	12	0	Heat Pump #8
1552	Max outdoor compressor operation Ecoair	S16		150	700	400	Heat Pump #8
1558	Min outdoor compressor operation Ecoair	S16		0	100	0	Heat Pump #8
1561	Start delay time	S16		0	1	0	Heat Pump #8
1627	Brine in min temp	S16		0	999	392	Heat Pump #8
1628	Brine max delta temp	S16		0	999	347	Heat Pump #8
1631	HP demand type	S16		0	3	0	Heat Pump #8
1632	HP demand	S16		0	1000	0	Heat Pump #8
1633	Command to reset all alarms on supervisor	S16		0	1	0	Heat Pump #8
1634	Start delay reset	S16		0	1	0	Heat Pump #8
1637	Charge pump speed demand.	S16		0	1000	0	Heat Pump #8
1638	Brine pump speed demand.(EcoHeat/EcoPart) / Fan speed demand.(EcoAir)	S16		0	1000	0	Heat Pump #8
1673	Brine temperature out	S16					Heat Pump #9
1674	Brine temperature in	S16					Heat Pump #9
1675	Flow temperature in	S16					Heat Pump #9
1676	OutsideTemp	S16					Heat Pump #9
1677	Flow temperature out	S16					Heat Pump #9
1680	High pressure	S16					Heat Pump #9
1681	Low pressure	S16					Heat Pump #9
1682	Calculated condensing temperature	S16					Heat Pump #9
1683	Calculated evaporating temperature	S16					Heat Pump #9
1688	Soft start current	S16					Heat Pump #9
1689	Defrost timer	S16					Heat Pump #9
1690	Compressor start delay timer	S16					Heat Pump #9
1691	Charge pump value (%)	S16					Heat Pump #9
1692	Fan brine pump value	S16					Heat Pump #9
1693	Relays	S16					Heat Pump #9
1693	0 Compressor	Bit	1=On, 0=Off				Heat Pump #9
1693	1 Fan low speed	Bit	1=On, 0=Off				Heat Pump #9
1693	2 Fan high speed	Bit	1=On, 0=Off				Heat Pump #9
1693	3 Brine pump	Bit	1=On, 0=Off				Heat Pump #9
1693	4 Charge pump	Bit	1=On, 0=Off				Heat Pump #9
1693	5 Heating cable	Bit	1=On, 0=Off				Heat Pump #9
1693	6 Defrost 4-way valve	Bit	1=On, 0=Off				Heat Pump #9
1693	7 N/C	Bit	1=On, 0=Off				Heat Pump #9
1693	8 N/C	Bit	1=On, 0=Off				Heat Pump #9
1693	9 N/C	Bit	1=On, 0=Off				Heat Pump #9
1693	10 N/C	Bit	1=On, 0=Off				Heat Pump #9
1693	11 N/C	Bit	1=On, 0=Off				Heat Pump #9
1693	12 N/C	Bit	1=On, 0=Off				Heat Pump #9
1693	13 N/C	Bit	1=On, 0=Off				Heat Pump #9
1693	14 N/C	Bit	1=On, 0=Off				Heat Pump #9
1693	15 N/C	Bit	1=On, 0=Off				Heat Pump #9
1698	Compressor blocks	S16					Heat Pump #9
1698	0 High return temp.	Bit	1=Active, 0=Inactive				Heat Pump #9
1698	1 High discharge temp.	Bit	1=Active, 0=Inactive				Heat Pump #9
1698	2 Low outdoor temp.	Bit	1=Active, 0=Inactive				Heat Pump #9
1698	3 High outdoor temp.	Bit	1=Active, 0=Inactive				Heat Pump #9
1698	4 Low evaporation temp	Bit	1=Active, 0=Inactive				Heat Pump #9

1698	5 High evaporation temp	Bit	1=Active, 0=Inactive				Heat Pump #9
1698	6 High condensing temp	Bit	1=Active, 0=Inactive				Heat Pump #9
1698	7 Low suction temp EVO	Bit	1=Active, 0=Inactive				Heat Pump #9
1698	8 Low evap. temp. EVO	Bit	1=Active, 0=Inactive				Heat Pump #9
1698	9 High evap. temp. EVO	Bit	1=Active, 0=Inactive				Heat Pump #9
1698	10 Low superheat EVO	Bit	1=Active, 0=Inactive				Heat Pump #9
1698	11 High condense temp.EVO	Bit	1=Active, 0=Inactive				Heat Pump #9
1698	12 High pressure	Bit	1=Active, 0=Inactive				Heat Pump #9
1698	13 N/C	Bit	1=Active, 0=Inactive				Heat Pump #9
1698	14 N/C	Bit	1=Active, 0=Inactive				Heat Pump #9
1698	15 N/C	Bit	1=Active, 0=Inactive				Heat Pump #9
1699	Alarm1	S16					Heat Pump #9
1699	0 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1699	1 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1699	2 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1699	3 Alarm 1: Pump overload	Bit	1=Active, 0=Inactive				Heat Pump #9
1699	4 Alarm 1: System pump overload	Bit	1=Active, 0=Inactive				Heat Pump #9
1699	5 Alarm 1: Compressor overload	Bit	1=Active, 0=Inactive				Heat Pump #9
1699	6 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1699	7 Alarm 1: High pressure	Bit	1=Active, 0=Inactive				Heat Pump #9
1699	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1699	9 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1699	10 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1699	11 Alarm 1: Risk of freezing	Bit	1=Active, 0=Inactive				Heat Pump #9
1699	12 Alarm 1: Low brine flow	Bit	1=Active, 0=Inactive				Heat Pump #9
1699	13 Alarm 1: Low brine temperature	Bit	1=Active, 0=Inactive				Heat Pump #9
1699	14 N/C	Bit	1=Active, 0=Inactive				Heat Pump #9
1699	15 N/C	Bit	1=Active, 0=Inactive				Heat Pump #9
1700	Alarm2	S16					Heat Pump #9
1700	0 Alarm 2: Low pressure diff	Bit	1=Active, 0=Inactive				Heat Pump #9
1700	1 Alarm 2: Sensor brine out	Bit	1=Active, 0=Inactive				Heat Pump #9
1700	2 Alarm 2: Sensor brine in	Bit	1=Active, 0=Inactive				Heat Pump #9
1700	3 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1700	4 Alarm 2: Sensor heat pump in	Bit	1=Active, 0=Inactive				Heat Pump #9
1700	5 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1700	6 Alarm 2: Sensor outdoor	Bit	1=Active, 0=Inactive				Heat Pump #9
1700	7 Alarm 2: Sensor heat pump out	Bit	1=Active, 0=Inactive				Heat Pump #9
1700	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1700	9 Alarm 2: Sensor discharge	Bit	1=Active, 0=Inactive				Heat Pump #9
1700	10 Alarm 2: Sensor suction gas	Bit	1=Active, 0=Inactive				Heat Pump #9
1700	11 Alarm 2: Sensor high pressure	Bit	1=Active, 0=Inactive				Heat Pump #9
1700	12 Alarm 2: Sensor low pressure	Bit	1=Active, 0=Inactive				Heat Pump #9
1700	13 Alarm 2: Fan	Bit	1=Active, 0=Inactive				Heat Pump #9
1700	14 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1700	15 Alarm 2: 4-way valve	Bit	1=Active, 0=Inactive				Heat Pump #9
1701	Alarm3	S16					Heat Pump #9
1701	0 Alarm 3: Compressor Inverter	Bit	1=Active, 0=Inactive				Heat Pump #9
1701	1 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1701	2 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1701	3 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1701	4 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1701	5 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1701	6 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1701	7 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1701	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1701	9 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1701	10 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1701	11 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1701	12 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1701	13 Alarm 3: EVO Off	Bit	1=Active, 0=Inactive				Heat Pump #9
1701	14 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1701	15 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1702	Alarm4	S16					Heat Pump #9
1702	0 Alarm 4: Compressor high current	Bit	1=Active, 0=Inactive				Heat Pump #9
1702	1 Alarm 4: Compressor low current	Bit	1=Active, 0=Inactive				Heat Pump #9
1702	2 Alarm 4: Phase 1 missing	Bit	1=Active, 0=Inactive				Heat Pump #9
1702	3 Alarm 4: Phase 2 missing	Bit	1=Active, 0=Inactive				Heat Pump #9
1702	4 Alarm 4: Phase 3 missing	Bit	1=Active, 0=Inactive				Heat Pump #9
1702	5 Alarm 4: Phase sequence error	Bit	1=Active, 0=Inactive				Heat Pump #9
1702	6 Alarm 4: Communication error Softstarter	Bit	1=Active, 0=Inactive				Heat Pump #9
1702	7 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1702	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1702	9 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1702	10 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1702	11 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1702	12 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1702	13 N/A	Bit	1=Active, 0=Inactive				Heat Pump #9
1702	14 N/C	Bit	1=Active, 0=Inactive				Heat Pump #9
1702	15 N/C	Bit	1=Active, 0=Inactive				Heat Pump #9
1706	Compressor operating hours (high)	U16	h x 1000				Heat Pump #9
1707	Compressor operating hours (low)	U16	h x 1				Heat Pump #9
1708	Compressor operating time/24 hours	U16	1 min				Heat Pump #9
1709	Compressor starts/24 hours	U16					Heat Pump #9
1710	Energy heat counter high part	U16	x 10000 Kwh				Heat Pump #9
1711	Energy heat counter low part	U16	x 1 Kwh				Heat Pump #9
1713	Flow temperature in (when alarm occurred)	S16	0,1 °C				Heat Pump #9
1714	Flow temperature out (when alarm occurred)	S16	0,1 °C				Heat Pump #9
1715	Brine temperature in (when alarm occurred)	S16	0,1 °C				Heat Pump #9
1716	Brine temperature out (when alarm occurred)	S16	0,1 °C				Heat Pump #9
1717	Outdoor temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #9
1718	Superheat temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #9
1719	High pressure (when alarm occurred)	S16	0,1 Bar				Heat Pump #9
1720	Low pressure (when alarm occurred)	S16	0,1 Bar				Heat Pump #9
1721	Expansion valve position (when alarm occurred)	S16	0,1 %				Heat Pump #9
1722	Soft starter current (when alarm occurred)	S16	0,1 A				Heat Pump #9
1723	Hp Bios version	S16					Heat Pump #9
1724	Hp Application Software Version	S16					Heat Pump #9
1725	Discharge superheat temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #9
1726	Stored CTC product type	S16		0	2	0	Heat Pump #9
1727	Stored compressor type	S16		0	12	0	Heat Pump #9
1729	Max outdoor compressor operation Ecoair	S16		150	700	400	Heat Pump #9
1735	Min outdoor compressor operation Ecoair	S16		0	100	0	Heat Pump #9
1738	Start delay time	S16		0	1	0	Heat Pump #9

1804	Brine in min temp	S16		0	999	392	Heat Pump #9
1805	Brine max delta temp	S16		0	999	347	Heat Pump #9
1808	HP demand type	S16		0	3	0	Heat Pump #9
1809	HP demand	S16		0	1000	0	Heat Pump #9
1810	Command to reset all alarms on supervisor	S16		0	1	0	Heat Pump #9
1811	Start delay reset	S16		0	1	0	Heat Pump #9
1814	Charge pump speed demand.	S16		0	1000	0	Heat Pump #9
1815	Brine pump speed demand.(EcoHeat/EcoPart) / Fan speed demand.(EcoAir)	S16		0	1000	0	Heat Pump #9
1850	Brine temperature out	S16					Heat Pump #10
1851	Brine temperature in	S16					Heat Pump #10
1852	Flow temperature in	S16					Heat Pump #10
1853	OutsideTemp	S16					Heat Pump #10
1854	Flow temperature out	S16					Heat Pump #10
1857	High pressure	S16					Heat Pump #10
1858	Low pressure	S16					Heat Pump #10
1859	Calculated condensing temperature	S16					Heat Pump #10
1860	Calculated evaporating temperature	S16					Heat Pump #10
1865	Soft start current	S16					Heat Pump #10
1866	Defrost timer	S16					Heat Pump #10
1867	Compressor start delay timer	S16					Heat Pump #10
1868	Charge pump value (%)	S16					Heat Pump #10
1869	Fan brine pump value	S16					Heat Pump #10
1870	Relays	S16					Heat Pump #10
1870	0 Compressor	Bit	1=On, 0=Off				Heat Pump #10
1870	1 Fan low speed	Bit	1=On, 0=Off				Heat Pump #10
1870	2 Fan high speed	Bit	1=On, 0=Off				Heat Pump #10
1870	3 Brine pump	Bit	1=On, 0=Off				Heat Pump #10
1870	4 Charge pump	Bit	1=On, 0=Off				Heat Pump #10
1870	5 Heating cable	Bit	1=On, 0=Off				Heat Pump #10
1870	6 Defrost 4-way valve	Bit	1=On, 0=Off				Heat Pump #10
1870	7 N/C	Bit	1=On, 0=Off				Heat Pump #10
1870	8 N/C	Bit	1=On, 0=Off				Heat Pump #10
1870	9 N/C	Bit	1=On, 0=Off				Heat Pump #10
1870	10 N/C	Bit	1=On, 0=Off				Heat Pump #10
1870	11 N/C	Bit	1=On, 0=Off				Heat Pump #10
1870	12 N/C	Bit	1=On, 0=Off				Heat Pump #10
1870	13 N/C	Bit	1=On, 0=Off				Heat Pump #10
1870	14 N/C	Bit	1=On, 0=Off				Heat Pump #10
1870	15 N/C	Bit	1=On, 0=Off				Heat Pump #10
1875	Compressor blocks	S16					Heat Pump #10
1875	0 High return temp.	Bit	1=Active, 0=Inactive				Heat Pump #10
1875	1 High discharge temp.	Bit	1=Active, 0=Inactive				Heat Pump #10
1875	2 Low outdoor temp.	Bit	1=Active, 0=Inactive				Heat Pump #10
1875	3 High outdoor temp.	Bit	1=Active, 0=Inactive				Heat Pump #10
1875	4 Low evaporation temp	Bit	1=Active, 0=Inactive				Heat Pump #10
1875	5 High evaporation temp	Bit	1=Active, 0=Inactive				Heat Pump #10
1875	6 High condensing temp	Bit	1=Active, 0=Inactive				Heat Pump #10
1875	7 Low suction temp EVO	Bit	1=Active, 0=Inactive				Heat Pump #10
1875	8 Low evap. temp. EVO	Bit	1=Active, 0=Inactive				Heat Pump #10
1875	9 High evap. temp. EVO	Bit	1=Active, 0=Inactive				Heat Pump #10
1875	10 Low superheat EVO	Bit	1=Active, 0=Inactive				Heat Pump #10
1875	11 High condense temp.EVO	Bit	1=Active, 0=Inactive				Heat Pump #10
1875	12 High pressure	Bit	1=Active, 0=Inactive				Heat Pump #10
1875	13 N/C	Bit	1=Active, 0=Inactive				Heat Pump #10
1875	14 N/C	Bit	1=Active, 0=Inactive				Heat Pump #10
1875	15 N/C	Bit	1=Active, 0=Inactive				Heat Pump #10
1876	Alarm1	S16					Heat Pump #10
1876	0 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1876	1 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1876	2 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1876	3 Alarm 1: Pump overload	Bit	1=Active, 0=Inactive				Heat Pump #10
1876	4 Alarm 1: System pump overload	Bit	1=Active, 0=Inactive				Heat Pump #10
1876	5 Alarm 1: Compressor overload	Bit	1=Active, 0=Inactive				Heat Pump #10
1876	6 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1876	7 Alarm 1: High pressure	Bit	1=Active, 0=Inactive				Heat Pump #10
1876	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1876	9 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1876	10 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1876	11 Alarm 1: Risk of freezing	Bit	1=Active, 0=Inactive				Heat Pump #10
1876	12 Alarm 1: Low brine flow	Bit	1=Active, 0=Inactive				Heat Pump #10
1876	13 Alarm 1: Low brine temperature	Bit	1=Active, 0=Inactive				Heat Pump #10
1876	14 N/C	Bit	1=Active, 0=Inactive				Heat Pump #10
1876	15 N/C	Bit	1=Active, 0=Inactive				Heat Pump #10
1877	Alarm2	S16					Heat Pump #10
1877	0 Alarm 2: Low pressure diff	Bit	1=Active, 0=Inactive				Heat Pump #10
1877	1 Alarm 2: Sensor brine out	Bit	1=Active, 0=Inactive				Heat Pump #10
1877	2 Alarm 2: Sensor brine in	Bit	1=Active, 0=Inactive				Heat Pump #10
1877	3 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1877	4 Alarm 2: Sensor heat pump in	Bit	1=Active, 0=Inactive				Heat Pump #10
1877	5 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1877	6 Alarm 2: Sensor outdoor	Bit	1=Active, 0=Inactive				Heat Pump #10
1877	7 Alarm 2: Sensor heat pump out	Bit	1=Active, 0=Inactive				Heat Pump #10
1877	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1877	9 Alarm 2: Sensor discharge	Bit	1=Active, 0=Inactive				Heat Pump #10
1877	10 Alarm 2: Sensor suction gas	Bit	1=Active, 0=Inactive				Heat Pump #10
1877	11 Alarm 2: Sensor high pressure	Bit	1=Active, 0=Inactive				Heat Pump #10
1877	12 Alarm 2: Sensor low pressure	Bit	1=Active, 0=Inactive				Heat Pump #10
1877	13 Alarm 2: Fan	Bit	1=Active, 0=Inactive				Heat Pump #10
1877	14 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1877	15 Alarm 2: 4-way valve	Bit	1=Active, 0=Inactive				Heat Pump #10
1878	Alarm3	S16					Heat Pump #10
1878	0 Alarm 3: Compressor inverter	Bit	1=Active, 0=Inactive				Heat Pump #10
1878	1 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1878	2 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1878	3 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1878	4 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1878	5 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1878	6 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1878	7 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1878	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1878	9 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1878	10 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1878	11 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1878	12 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10

1878	13 Alarm 3: EVO Off	Bit	1=Active, 0=Inactive				Heat Pump #10
1878	14 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1878	15 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1879	Alarm4	S16					Heat Pump #10
1879	0 Alarm 4: Compressor high current	Bit	1=Active, 0=Inactive				Heat Pump #10
1879	1 Alarm 4: Compressor low current	Bit	1=Active, 0=Inactive				Heat Pump #10
1879	2 Alarm 4: Phase 1 missing	Bit	1=Active, 0=Inactive				Heat Pump #10
1879	3 Alarm 4: Phase 2 missing	Bit	1=Active, 0=Inactive				Heat Pump #10
1879	4 Alarm 4: Phase 3 missing	Bit	1=Active, 0=Inactive				Heat Pump #10
1879	5 Alarm 4: Phase sequence error	Bit	1=Active, 0=Inactive				Heat Pump #10
1879	6 Alarm 4: Communication error Softstarter	Bit	1=Active, 0=Inactive				Heat Pump #10
1879	7 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1879	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1879	9 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1879	10 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1879	11 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1879	12 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1879	13 N/A	Bit	1=Active, 0=Inactive				Heat Pump #10
1879	14 N/C	Bit	1=Active, 0=Inactive				Heat Pump #10
1879	15 N/C	Bit	1=Active, 0=Inactive				Heat Pump #10
1883	Compressor operating hours (high)	U16	h x 1000				Heat Pump #10
1884	Compressor operating hours (low)	U16	h x 1				Heat Pump #10
1885	Compressor operating time/24 hours	U16	1 min				Heat Pump #10
1886	Compressor starts/24 hours	U16					Heat Pump #10
1887	Energy heat counter high part	U16	x 10000 Kwh				Heat Pump #10
1888	Energy heat counter low part	U16	x 1 Kwh				Heat Pump #10
1890	Flow temperature in (when alarm occurred)	S16	0,1 °C				Heat Pump #10
1891	Flow temperature out (when alarm occurred)	S16	0,1 °C				Heat Pump #10
1892	Brine temperature in (when alarm occurred)	S16	0,1 °C				Heat Pump #10
1893	Brine temperature out (when alarm occurred)	S16	0,1 °C				Heat Pump #10
1894	Outdoor temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #10
1895	Superheat temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #10
1896	High pressure (when alarm occurred)	S16	0,1 Bar				Heat Pump #10
1897	Low pressure (when alarm occurred)	S16	0,1 Bar				Heat Pump #10
1898	Expansion valve position (when alarm occurred)	S16	0,1 %				Heat Pump #10
1899	Soft starter current (when alarm occurred)	S16	0,1 A				Heat Pump #10
1900	Hp Bios version	S16					Heat Pump #10
1901	Hp Application Software Version	S16					Heat Pump #10
1902	Discharge superheat temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #10
1903	Stored CTC product type	S16		0	2	0	Heat Pump #10
1904	Stored compressor type	S16		0	12	0	Heat Pump #10
1906	Max outdoor compressor operation Ecoair	S16		150	700	400	Heat Pump #10
1912	Min outdoor compressor operation Ecoair	S16		0	100	0	Heat Pump #10
1915	Start delay time	S16		0	1	0	Heat Pump #10
1981	Brine in min temp	S16		0	999	392	Heat Pump #10
1982	Brine max delta temp	S16		0	999	347	Heat Pump #10
1985	HP demand type	S16		0	3	0	Heat Pump #10
1986	HP demand	S16		0	1000	0	Heat Pump #10
1987	Command to reset all alarms on supervisor	S16		0	1	0	Heat Pump #10
1988	Start delay reset	S16		0	1	0	Heat Pump #10
1991	Charge pump speed demand.	S16		0	1000	0	Heat Pump #10
1992	Brine pump speed demand.(EcoHeat/EcoPart) / Fan speed demand.(EcoAir)	S16		0	1000	0	Heat Pump #10
2026	Rad. Sys 1. Heat water setp. temp	S16					EcoLogic
2027	Rad. Sys 2. Heat water setp. temp	S16					EcoLogic
2028	Rad. Sys 3. Heat water setp. temp	S16					EcoLogic
2029	Rad. Sys 4. Heat water setp. temp	S16					EcoLogic
2030	Degree minutes	S16					EcoLogic
2031	Tank heat water setp. temp	S16					EcoLogic
2032	DHW Add heat setp.temp	S16					EcoLogic
2033	DHW Hp heat setp.temp	S16					EcoLogic
2034	Delay timer, add heat	S16					EcoLogic
2035	CoolWaterSetptemp	S16					EcoLogic
2036	Demand no. of hp.	U16					EcoLogic
2139	Alarm: Ext. boiler temp B9	U8	1=Active, 0=Inactive				ALARM
2140	Alarm: DHW tank temp	U8	1=Active, 0=Inactive				ALARM
2141	Alarm: Heating buffer tank temp	U8	1=Active, 0=Inactive				ALARM
2143	Alarm: Ext. boiler out temp B10	U8	1=Active, 0=Inactive				ALARM
2144	Alarm: Outdoor temp	U8	1=Active, 0=Inactive				ALARM
2145	Alarm: Heat water temp. rad Sys. 1	U8	1=Active, 0=Inactive				ALARM
2146	Alarm: Heat water temp. rad Sys. 2	U8	1=Active, 0=Inactive				ALARM
2147	Alarm: Heat water temp. rad Sys. 3	U8	1=Active, 0=Inactive				ALARM
2148	Alarm: Heat water temp. rad Sys. 4	U8	1=Active, 0=Inactive				ALARM
2149	Alarm: Room 1 temp	U8	1=Active, 0=Inactive				ALARM
2150	Alarm: Room 2 temp	U8	1=Active, 0=Inactive				ALARM
2151	Alarm: Room 3 temp	U8	1=Active, 0=Inactive				ALARM
2152	Alarm: Room 4 temp	U8	1=Active, 0=Inactive				ALARM
2160	Alarm: Solar panel outlet temp	U8	1=Active, 0=Inactive				ALARM
2161	Alarm: Solar panel Intlet temp	U8	1=Active, 0=Inactive				ALARM
2165	Alarm: Pool temp	U8	1=Active, 0=Inactive				ALARM
2169	Alarm: No connection with GSM terminal	U8	1=Active, 0=Inactive				ALARM
2172	Alarm: Pin code active	U8	1=Active, 0=Inactive				ALARM
2173	Alarm: SIM card missing	U8	1=Active, 0=Inactive				ALARM
2174	Alarm: No GSM signal	U8	1=Active, 0=Inactive				ALARM
2176	Alarm: No connection with antenna	U8	1=Active, 0=Inactive				ALARM
2224	Alarm: High return temp	U8	1=Active, 0=Inactive				Heat Pump #1
2225	Alarm: High discharge temp	U8	1=Active, 0=Inactive				Heat Pump #1
2226	Alarm: Low outdoor temp	U8	1=Active, 0=Inactive				Heat Pump #1
2227	Alarm: High outdoor temp	U8	1=Active, 0=Inactive				Heat Pump #1
2228	Alarm: Low evaporation temp	U8	1=Active, 0=Inactive				Heat Pump #1
2229	Alarm: High evaporation temp	U8	1=Active, 0=Inactive				Heat Pump #1
2230	Alarm: High condensing temp	U8	1=Active, 0=Inactive				Heat Pump #1
2231	Alarm: Brine pump overload	U8	1=Active, 0=Inactive				Heat Pump #1
2232	Alarm: Charge pump overload	U8	1=Active, 0=Inactive				Heat Pump #1
2233	Alarm: Compressor overload	U8	1=Active, 0=Inactive				Heat Pump #1
2234	Alarm: High pressure	U8	1=Active, 0=Inactive				Heat Pump #1
2235	Alarm: Brine low flow	U8	1=Active, 0=Inactive				Heat Pump #1
2236	Alarm: Brine low temp	U8	1=Active, 0=Inactive				Heat Pump #1
2238	Alarm: Ground source circuit outlet temperature	U8	1=Active, 0=Inactive				Heat Pump #1
2239	Alarm: Ground source circuit inlet temperature	U8	1=Active, 0=Inactive				Heat Pump #1
2240	Alarm: Primary system inlet temperature	U8	1=Active, 0=Inactive				Heat Pump #1
2241	Alarm: Outside air temperature	U8	1=Active, 0=Inactive				Heat Pump #1

2242	Alarm: Primary system outlet temperature	U8	1=Active, 0=Inactive	Heat Pump #1
2243	Alarm: Compressor discharge gas temperature	U8	1=Active, 0=Inactive	Heat Pump #1
2244	Alarm: Compressor suction temperature	U8	1=Active, 0=Inactive	Heat Pump #1
2245	Alarm: High pressure	U8	1=Active, 0=Inactive	Heat Pump #1
2246	Alarm: Low pressure	U8	1=Active, 0=Inactive	Heat Pump #1
2247	Alarm: Fan overload	U8	1=Active, 0=Inactive	Heat Pump #1
2248	Alarm: 4-way valve fault	U8	1=Active, 0=Inactive	Heat Pump #1
2249	Alarm: Compressor inverter	U8	1=Active, 0=Inactive	Heat Pump #1
2250	Alarm: EVO offline	U8	1=Active, 0=Inactive	Heat Pump #1
2252	Alarm: High compr current	U8	1=Active, 0=Inactive	Heat Pump #1
2253	Alarm: Low compr current	U8	1=Active, 0=Inactive	Heat Pump #1
2254	Alarm: Phase1 missing	U8	1=Active, 0=Inactive	Heat Pump #1
2255	Alarm: Phase2 missing	U8	1=Active, 0=Inactive	Heat Pump #1
2256	Alarm: Phase3 missing	U8	1=Active, 0=Inactive	Heat Pump #1
2257	Alarm: Phase sequence	U8	1=Active, 0=Inactive	Heat Pump #1
2258	Alarm: Communication error Soft starter	U8	1=Active, 0=Inactive	Heat Pump #1
2259	Alarm: Compressor model	U8	1=Active, 0=Inactive	Heat Pump #1
2260	Alarm: Heat pump	U8	1=Active, 0=Inactive	Heat Pump #1
2261	Alarm: Communication error heat pump	U8	1=Active, 0=Inactive	Heat Pump #1
2263	Alarm: High return temp	U8	1=Active, 0=Inactive	Heat Pump #2
2264	Alarm: High discharge temp	U8	1=Active, 0=Inactive	Heat Pump #2
2265	Alarm: Low outdoor temp	U8	1=Active, 0=Inactive	Heat Pump #2
2266	Alarm: High outdoor temp	U8	1=Active, 0=Inactive	Heat Pump #2
2267	Alarm: Low evaporation temp	U8	1=Active, 0=Inactive	Heat Pump #2
2268	Alarm: High evaporation temp	U8	1=Active, 0=Inactive	Heat Pump #2
2269	Alarm: High condensing temp	U8	1=Active, 0=Inactive	Heat Pump #2
2270	Alarm: Brine pump overload	U8	1=Active, 0=Inactive	Heat Pump #2
2271	Alarm: Charge pump overload	U8	1=Active, 0=Inactive	Heat Pump #2
2272	Alarm: Compressor overload	U8	1=Active, 0=Inactive	Heat Pump #2
2273	Alarm: High pressure	U8	1=Active, 0=Inactive	Heat Pump #2
2274	Alarm: Brine low flow	U8	1=Active, 0=Inactive	Heat Pump #2
2275	Alarm: Brine low temp	U8	1=Active, 0=Inactive	Heat Pump #2
2277	Alarm: Ground source circuit outlet temperature	U8	1=Active, 0=Inactive	Heat Pump #2
2278	Alarm: Ground source circuit inlet temperature	U8	1=Active, 0=Inactive	Heat Pump #2
2279	Alarm: Primary system inlet temperature	U8	1=Active, 0=Inactive	Heat Pump #2
2280	Alarm: Outside air temperature	U8	1=Active, 0=Inactive	Heat Pump #2
2281	Alarm: Primary system outlet temperature	U8	1=Active, 0=Inactive	Heat Pump #2
2282	Alarm: Compressor discharge gas temperature	U8	1=Active, 0=Inactive	Heat Pump #2
2283	Alarm: Compressor suction temperature	U8	1=Active, 0=Inactive	Heat Pump #2
2284	Alarm: High pressure	U8	1=Active, 0=Inactive	Heat Pump #2
2285	Alarm: Low pressure	U8	1=Active, 0=Inactive	Heat Pump #2
2286	Alarm: Fan overload	U8	1=Active, 0=Inactive	Heat Pump #2
2287	Alarm: 4-way valve fault	U8	1=Active, 0=Inactive	Heat Pump #2
2288	Alarm: Compressor inverter	U8	1=Active, 0=Inactive	Heat Pump #2
2289	Alarm: EVO offline	U8	1=Active, 0=Inactive	Heat Pump #2
2291	Alarm: High compr current	U8	1=Active, 0=Inactive	Heat Pump #2
2292	Alarm: Low compr current	U8	1=Active, 0=Inactive	Heat Pump #2
2293	Alarm: Phase1 missing	U8	1=Active, 0=Inactive	Heat Pump #2
2294	Alarm: Phase2 missing	U8	1=Active, 0=Inactive	Heat Pump #2
2295	Alarm: Phase3 missing	U8	1=Active, 0=Inactive	Heat Pump #2
2296	Alarm: Phase sequence	U8	1=Active, 0=Inactive	Heat Pump #2
2297	Alarm: Communication error Soft starter	U8	1=Active, 0=Inactive	Heat Pump #2
2298	Alarm: Compressor model	U8	1=Active, 0=Inactive	Heat Pump #2
2299	Alarm: Heat pump	U8	1=Active, 0=Inactive	Heat Pump #2
2300	Alarm: Communication error heat pump	U8	1=Active, 0=Inactive	Heat Pump #2
2302	Alarm: High return temp	U8	1=Active, 0=Inactive	Heat Pump #3
2303	Alarm: High discharge temp	U8	1=Active, 0=Inactive	Heat Pump #3
2304	Alarm: Low outdoor temp	U8	1=Active, 0=Inactive	Heat Pump #3
2305	Alarm: High outdoor temp	U8	1=Active, 0=Inactive	Heat Pump #3
2306	Alarm: Low evaporation temp	U8	1=Active, 0=Inactive	Heat Pump #3
2307	Alarm: High evaporation temp	U8	1=Active, 0=Inactive	Heat Pump #3
2308	Alarm: High condensing temp	U8	1=Active, 0=Inactive	Heat Pump #3
2309	Alarm: Brine pump overload	U8	1=Active, 0=Inactive	Heat Pump #3
2310	Alarm: Charge pump overload	U8	1=Active, 0=Inactive	Heat Pump #3
2311	Alarm: Compressor overload	U8	1=Active, 0=Inactive	Heat Pump #3
2312	Alarm: High pressure	U8	1=Active, 0=Inactive	Heat Pump #3
2313	Alarm: Brine low flow	U8	1=Active, 0=Inactive	Heat Pump #3
2314	Alarm: Brine low temp	U8	1=Active, 0=Inactive	Heat Pump #3
2316	Alarm: Ground source circuit outlet temperature	U8	1=Active, 0=Inactive	Heat Pump #3
2317	Alarm: Ground source circuit inlet temperature	U8	1=Active, 0=Inactive	Heat Pump #3
2318	Alarm: Primary system inlet temperature	U8	1=Active, 0=Inactive	Heat Pump #3
2319	Alarm: Outside air temperature	U8	1=Active, 0=Inactive	Heat Pump #3
2320	Alarm: Primary system outlet temperature	U8	1=Active, 0=Inactive	Heat Pump #3
2321	Alarm: Compressor discharge gas temperature	U8	1=Active, 0=Inactive	Heat Pump #3
2322	Alarm: Compressor suction temperature	U8	1=Active, 0=Inactive	Heat Pump #3
2323	Alarm: High pressure	U8	1=Active, 0=Inactive	Heat Pump #3
2324	Alarm: Low pressure	U8	1=Active, 0=Inactive	Heat Pump #3
2325	Alarm: Fan overload	U8	1=Active, 0=Inactive	Heat Pump #3
2326	Alarm: 4-way valve fault	U8	1=Active, 0=Inactive	Heat Pump #3
2327	Alarm: Compressor inverter	U8	1=Active, 0=Inactive	Heat Pump #3
2328	Alarm: EVO offline	U8	1=Active, 0=Inactive	Heat Pump #3
2330	Alarm: High compr current	U8	1=Active, 0=Inactive	Heat Pump #3
2331	Alarm: Low compr current	U8	1=Active, 0=Inactive	Heat Pump #3
2332	Alarm: Phase1 missing	U8	1=Active, 0=Inactive	Heat Pump #3
2333	Alarm: Phase2 missing	U8	1=Active, 0=Inactive	Heat Pump #3
2334	Alarm: Phase3 missing	U8	1=Active, 0=Inactive	Heat Pump #3
2335	Alarm: Phase sequence	U8	1=Active, 0=Inactive	Heat Pump #3
2336	Alarm: Communication error Soft starter	U8	1=Active, 0=Inactive	Heat Pump #3
2337	Alarm: Compressor model	U8	1=Active, 0=Inactive	Heat Pump #3
2338	Alarm: Heat pump	U8	1=Active, 0=Inactive	Heat Pump #3
2339	Alarm: Communication error heat pump	U8	1=Active, 0=Inactive	Heat Pump #3
2341	Alarm: High return temp	U8	1=Active, 0=Inactive	Heat Pump #4
2342	Alarm: High discharge temp	U8	1=Active, 0=Inactive	Heat Pump #4
2343	Alarm: Low outdoor temp	U8	1=Active, 0=Inactive	Heat Pump #4
2344	Alarm: High outdoor temp	U8	1=Active, 0=Inactive	Heat Pump #4
2345	Alarm: Low evaporation temp	U8	1=Active, 0=Inactive	Heat Pump #4
2346	Alarm: High evaporation temp	U8	1=Active, 0=Inactive	Heat Pump #4
2347	Alarm: High condensing temp	U8	1=Active, 0=Inactive	Heat Pump #4
2348	Alarm: Brine pump overload	U8	1=Active, 0=Inactive	Heat Pump #4
2349	Alarm: Charge pump overload	U8	1=Active, 0=Inactive	Heat Pump #4
2350	Alarm: Compressor overload	U8	1=Active, 0=Inactive	Heat Pump #4
2351	Alarm: High pressure	U8	1=Active, 0=Inactive	Heat Pump #4
2352	Alarm: Brine low flow	U8	1=Active, 0=Inactive	Heat Pump #4

2353	Alarm: Brine low temp	U8	1=Active, 0=Inactive	Heat Pump #4
2355	Alarm: Ground source circuit outlet temperature	U8	1=Active, 0=Inactive	Heat Pump #4
2356	Alarm: Ground source circuit inlet temperature	U8	1=Active, 0=Inactive	Heat Pump #4
2357	Alarm: Primary system inlet temperature	U8	1=Active, 0=Inactive	Heat Pump #4
2358	Alarm: Outside air temperature	U8	1=Active, 0=Inactive	Heat Pump #4
2359	Alarm: Primary system outlet temperature	U8	1=Active, 0=Inactive	Heat Pump #4
2360	Alarm: Compressor discharge gas temperature	U8	1=Active, 0=Inactive	Heat Pump #4
2361	Alarm: Compressor suction temperature	U8	1=Active, 0=Inactive	Heat Pump #4
2362	Alarm: High pressure	U8	1=Active, 0=Inactive	Heat Pump #4
2363	Alarm: Low pressure	U8	1=Active, 0=Inactive	Heat Pump #4
2364	Alarm: Fan overload	U8	1=Active, 0=Inactive	Heat Pump #4
2365	Alarm: 4-way valve fault	U8	1=Active, 0=Inactive	Heat Pump #4
2366	Alarm: Compressor inverter	U8	1=Active, 0=Inactive	Heat Pump #4
2367	Alarm: EVO offline	U8	1=Active, 0=Inactive	Heat Pump #4
2369	Alarm: High compr current	U8	1=Active, 0=Inactive	Heat Pump #4
2370	Alarm: Low compr current	U8	1=Active, 0=Inactive	Heat Pump #4
2371	Alarm: Phase1 missing	U8	1=Active, 0=Inactive	Heat Pump #4
2372	Alarm: Phase2 missing	U8	1=Active, 0=Inactive	Heat Pump #4
2373	Alarm: Phase3 missing	U8	1=Active, 0=Inactive	Heat Pump #4
2374	Alarm: Phase sequence	U8	1=Active, 0=Inactive	Heat Pump #4
2375	Alarm: Communication error Soft starter	U8	1=Active, 0=Inactive	Heat Pump #4
2376	Alarm: Compressor model	U8	1=Active, 0=Inactive	Heat Pump #4
2377	Alarm: Heat pump	U8	1=Active, 0=Inactive	Heat Pump #4
2378	Alarm: Communication error heat pump	U8	1=Active, 0=Inactive	Heat Pump #4
2380	Alarm: High return temp	U8	1=Active, 0=Inactive	Heat Pump #5
2381	Alarm: High discharge temp	U8	1=Active, 0=Inactive	Heat Pump #5
2382	Alarm: Low outdoor temp	U8	1=Active, 0=Inactive	Heat Pump #5
2383	Alarm: High outdoor temp	U8	1=Active, 0=Inactive	Heat Pump #5
2384	Alarm: Low evaporation temp	U8	1=Active, 0=Inactive	Heat Pump #5
2385	Alarm: High evaporation temp	U8	1=Active, 0=Inactive	Heat Pump #5
2386	Alarm: High condensing temp	U8	1=Active, 0=Inactive	Heat Pump #5
2387	Alarm: Brine pump overload	U8	1=Active, 0=Inactive	Heat Pump #5
2388	Alarm: Charge pump overload	U8	1=Active, 0=Inactive	Heat Pump #5
2389	Alarm: Compressor overload	U8	1=Active, 0=Inactive	Heat Pump #5
2390	Alarm: High pressure	U8	1=Active, 0=Inactive	Heat Pump #5
2391	Alarm: Brine low flow	U8	1=Active, 0=Inactive	Heat Pump #5
2392	Alarm: Brine low temp	U8	1=Active, 0=Inactive	Heat Pump #5
2394	Alarm: Ground source circuit outlet temperature	U8	1=Active, 0=Inactive	Heat Pump #5
2395	Alarm: Ground source circuit inlet temperature	U8	1=Active, 0=Inactive	Heat Pump #5
2396	Alarm: Primary system inlet temperature	U8	1=Active, 0=Inactive	Heat Pump #5
2397	Alarm: Outside air temperature	U8	1=Active, 0=Inactive	Heat Pump #5
2398	Alarm: Primary system outlet temperature	U8	1=Active, 0=Inactive	Heat Pump #5
2399	Alarm: Compressor discharge gas temperature	U8	1=Active, 0=Inactive	Heat Pump #5
2400	Alarm: Compressor suction temperature	U8	1=Active, 0=Inactive	Heat Pump #5
2401	Alarm: High pressure	U8	1=Active, 0=Inactive	Heat Pump #5
2402	Alarm: Low pressure	U8	1=Active, 0=Inactive	Heat Pump #5
2403	Alarm: Fan overload	U8	1=Active, 0=Inactive	Heat Pump #5
2404	Alarm: 4-way valve fault	U8	1=Active, 0=Inactive	Heat Pump #5
2405	Alarm: Compressor inverter	U8	1=Active, 0=Inactive	Heat Pump #5
2406	Alarm: EVO offline	U8	1=Active, 0=Inactive	Heat Pump #5
2408	Alarm: High compr current	U8	1=Active, 0=Inactive	Heat Pump #5
2409	Alarm: Low compr current	U8	1=Active, 0=Inactive	Heat Pump #5
2410	Alarm: Phase1 missing	U8	1=Active, 0=Inactive	Heat Pump #5
2411	Alarm: Phase2 missing	U8	1=Active, 0=Inactive	Heat Pump #5
2412	Alarm: Phase3 missing	U8	1=Active, 0=Inactive	Heat Pump #5
2413	Alarm: Phase sequence	U8	1=Active, 0=Inactive	Heat Pump #5
2414	Alarm: Communication error Soft starter	U8	1=Active, 0=Inactive	Heat Pump #5
2415	Alarm: Compressor model	U8	1=Active, 0=Inactive	Heat Pump #5
2416	Alarm: Heat pump	U8	1=Active, 0=Inactive	Heat Pump #5
2417	Alarm: Communication error heat pump	U8	1=Active, 0=Inactive	Heat Pump #5
2419	Alarm: High return temp	U8	1=Active, 0=Inactive	Heat Pump #6
2420	Alarm: High discharge temp	U8	1=Active, 0=Inactive	Heat Pump #6
2421	Alarm: Low outdoor temp	U8	1=Active, 0=Inactive	Heat Pump #6
2422	Alarm: High outdoor temp	U8	1=Active, 0=Inactive	Heat Pump #6
2423	Alarm: Low evaporation temp	U8	1=Active, 0=Inactive	Heat Pump #6
2424	Alarm: High evaporation temp	U8	1=Active, 0=Inactive	Heat Pump #6
2425	Alarm: High condensing temp	U8	1=Active, 0=Inactive	Heat Pump #6
2426	Alarm: Brine pump overload	U8	1=Active, 0=Inactive	Heat Pump #6
2427	Alarm: Charge pump overload	U8	1=Active, 0=Inactive	Heat Pump #6
2428	Alarm: Compressor overload	U8	1=Active, 0=Inactive	Heat Pump #6
2429	Alarm: High pressure	U8	1=Active, 0=Inactive	Heat Pump #6
2430	Alarm: Brine low flow	U8	1=Active, 0=Inactive	Heat Pump #6
2431	Alarm: Brine low temp	U8	1=Active, 0=Inactive	Heat Pump #6
2433	Alarm: Ground source circuit outlet temperature	U8	1=Active, 0=Inactive	Heat Pump #6
2434	Alarm: Ground source circuit inlet temperature	U8	1=Active, 0=Inactive	Heat Pump #6
2435	Alarm: Primary system inlet temperature	U8	1=Active, 0=Inactive	Heat Pump #6
2436	Alarm: Outside air temperature	U8	1=Active, 0=Inactive	Heat Pump #6
2437	Alarm: Primary system outlet temperature	U8	1=Active, 0=Inactive	Heat Pump #6
2438	Alarm: Compressor discharge gas temperature	U8	1=Active, 0=Inactive	Heat Pump #6
2439	Alarm: Compressor suction temperature	U8	1=Active, 0=Inactive	Heat Pump #6
2440	Alarm: High pressure	U8	1=Active, 0=Inactive	Heat Pump #6
2441	Alarm: Low pressure	U8	1=Active, 0=Inactive	Heat Pump #6
2442	Alarm: Fan overload	U8	1=Active, 0=Inactive	Heat Pump #6
2443	Alarm: 4-way valve fault	U8	1=Active, 0=Inactive	Heat Pump #6
2444	Alarm: Compressor inverter	U8	1=Active, 0=Inactive	Heat Pump #6
2445	Alarm: EVO offline	U8	1=Active, 0=Inactive	Heat Pump #6
2447	Alarm: High compr current	U8	1=Active, 0=Inactive	Heat Pump #6
2448	Alarm: Low compr current	U8	1=Active, 0=Inactive	Heat Pump #6
2449	Alarm: Phase1 missing	U8	1=Active, 0=Inactive	Heat Pump #6
2450	Alarm: Phase2 missing	U8	1=Active, 0=Inactive	Heat Pump #6
2451	Alarm: Phase3 missing	U8	1=Active, 0=Inactive	Heat Pump #6
2452	Alarm: Phase sequence	U8	1=Active, 0=Inactive	Heat Pump #6
2453	Alarm: Communication error Soft starter	U8	1=Active, 0=Inactive	Heat Pump #6
2454	Alarm: Compressor model	U8	1=Active, 0=Inactive	Heat Pump #6
2455	Alarm: Heat pump	U8	1=Active, 0=Inactive	Heat Pump #6
2456	Alarm: Communication error heat pump	U8	1=Active, 0=Inactive	Heat Pump #6
2458	Alarm: High return temp	U8	1=Active, 0=Inactive	Heat Pump #7
2459	Alarm: High discharge temp	U8	1=Active, 0=Inactive	Heat Pump #7
2460	Alarm: Low outdoor temp	U8	1=Active, 0=Inactive	Heat Pump #7
2461	Alarm: High outdoor temp	U8	1=Active, 0=Inactive	Heat Pump #7
2462	Alarm: Low evaporation temp	U8	1=Active, 0=Inactive	Heat Pump #7
2463	Alarm: High evaporation temp	U8	1=Active, 0=Inactive	Heat Pump #7

2464	Alarm: High condensing temp	U8	1=Active, 0=Inactive	Heat Pump #7
2465	Alarm: Brine pump overload	U8	1=Active, 0=Inactive	Heat Pump #7
2466	Alarm: Charge pump overload	U8	1=Active, 0=Inactive	Heat Pump #7
2467	Alarm: Compressor overload	U8	1=Active, 0=Inactive	Heat Pump #7
2468	Alarm: High pressure	U8	1=Active, 0=Inactive	Heat Pump #7
2469	Alarm: Brine low flow	U8	1=Active, 0=Inactive	Heat Pump #7
2470	Alarm: Brine low temp	U8	1=Active, 0=Inactive	Heat Pump #7
2472	Alarm: Ground source circuit outlet temperature	U8	1=Active, 0=Inactive	Heat Pump #7
2473	Alarm: Ground source circuit inlet temperature	U8	1=Active, 0=Inactive	Heat Pump #7
2474	Alarm: Primary system inlet temperature	U8	1=Active, 0=Inactive	Heat Pump #7
2475	Alarm: Outside air temperature	U8	1=Active, 0=Inactive	Heat Pump #7
2476	Alarm: Primary system outlet temperature	U8	1=Active, 0=Inactive	Heat Pump #7
2477	Alarm: Compressor discharge gas temperature	U8	1=Active, 0=Inactive	Heat Pump #7
2478	Alarm: Compressor suction temperature	U8	1=Active, 0=Inactive	Heat Pump #7
2479	Alarm: High pressure	U8	1=Active, 0=Inactive	Heat Pump #7
2480	Alarm: Low pressure	U8	1=Active, 0=Inactive	Heat Pump #7
2481	Alarm: Fan overload	U8	1=Active, 0=Inactive	Heat Pump #7
2482	Alarm: 4-way valve fault	U8	1=Active, 0=Inactive	Heat Pump #7
2483	Alarm: Compressor inverter	U8	1=Active, 0=Inactive	Heat Pump #7
2484	Alarm: EVO offline	U8	1=Active, 0=Inactive	Heat Pump #7
2486	Alarm: High compr current	U8	1=Active, 0=Inactive	Heat Pump #7
2487	Alarm: Low compr current	U8	1=Active, 0=Inactive	Heat Pump #7
2488	Alarm: Phase1 missing	U8	1=Active, 0=Inactive	Heat Pump #7
2489	Alarm: Phase2 missing	U8	1=Active, 0=Inactive	Heat Pump #7
2490	Alarm: Phase3 missing	U8	1=Active, 0=Inactive	Heat Pump #7
2491	Alarm: Phase sequence	U8	1=Active, 0=Inactive	Heat Pump #7
2492	Alarm: Communication error Soft starter	U8	1=Active, 0=Inactive	Heat Pump #7
2493	Alarm: Compressor model	U8	1=Active, 0=Inactive	Heat Pump #7
2494	Alarm: Heat pump	U8	1=Active, 0=Inactive	Heat Pump #7
2495	Alarm: Communication error heat pump	U8	1=Active, 0=Inactive	Heat Pump #7
2497	Alarm: High return temp	U8	1=Active, 0=Inactive	Heat Pump #8
2498	Alarm: High discharge temp	U8	1=Active, 0=Inactive	Heat Pump #8
2499	Alarm: Low outdoor temp	U8	1=Active, 0=Inactive	Heat Pump #8
2500	Alarm: High outdoor temp	U8	1=Active, 0=Inactive	Heat Pump #8
2501	Alarm: Low evaporation temp	U8	1=Active, 0=Inactive	Heat Pump #8
2502	Alarm: High evaporation temp	U8	1=Active, 0=Inactive	Heat Pump #8
2503	Alarm: High condensing temp	U8	1=Active, 0=Inactive	Heat Pump #8
2504	Alarm: Brine pump overload	U8	1=Active, 0=Inactive	Heat Pump #8
2505	Alarm: Charge pump overload	U8	1=Active, 0=Inactive	Heat Pump #8
2506	Alarm: Compressor overload	U8	1=Active, 0=Inactive	Heat Pump #8
2507	Alarm: High pressure	U8	1=Active, 0=Inactive	Heat Pump #8
2508	Alarm: Brine low flow	U8	1=Active, 0=Inactive	Heat Pump #8
2509	Alarm: Brine low temp	U8	1=Active, 0=Inactive	Heat Pump #8
2511	Alarm: Ground source circuit outlet temperature	U8	1=Active, 0=Inactive	Heat Pump #8
2512	Alarm: Ground source circuit inlet temperature	U8	1=Active, 0=Inactive	Heat Pump #8
2513	Alarm: Primary system inlet temperature	U8	1=Active, 0=Inactive	Heat Pump #8
2514	Alarm: Outside air temperature	U8	1=Active, 0=Inactive	Heat Pump #8
2515	Alarm: Primary system outlet temperature	U8	1=Active, 0=Inactive	Heat Pump #8
2516	Alarm: Compressor discharge gas temperature	U8	1=Active, 0=Inactive	Heat Pump #8
2517	Alarm: Compressor suction temperature	U8	1=Active, 0=Inactive	Heat Pump #8
2518	Alarm: High pressure	U8	1=Active, 0=Inactive	Heat Pump #8
2519	Alarm: Low pressure	U8	1=Active, 0=Inactive	Heat Pump #8
2520	Alarm: Fan overload	U8	1=Active, 0=Inactive	Heat Pump #8
2521	Alarm: 4-way valve fault	U8	1=Active, 0=Inactive	Heat Pump #8
2522	Alarm: Compressor inverter	U8	1=Active, 0=Inactive	Heat Pump #8
2523	Alarm: EVO offline	U8	1=Active, 0=Inactive	Heat Pump #8
2525	Alarm: High compr current	U8	1=Active, 0=Inactive	Heat Pump #8
2526	Alarm: Low compr current	U8	1=Active, 0=Inactive	Heat Pump #8
2527	Alarm: Phase1 missing	U8	1=Active, 0=Inactive	Heat Pump #8
2528	Alarm: Phase2 missing	U8	1=Active, 0=Inactive	Heat Pump #8
2529	Alarm: Phase3 missing	U8	1=Active, 0=Inactive	Heat Pump #8
2530	Alarm: Phase sequence	U8	1=Active, 0=Inactive	Heat Pump #8
2531	Alarm: Communication error Soft starter	U8	1=Active, 0=Inactive	Heat Pump #8
2532	Alarm: Compressor model	U8	1=Active, 0=Inactive	Heat Pump #8
2533	Alarm: Heat pump	U8	1=Active, 0=Inactive	Heat Pump #8
2534	Alarm: Communication error heat pump	U8	1=Active, 0=Inactive	Heat Pump #8
2536	Alarm: High return temp	U8	1=Active, 0=Inactive	Heat Pump #9
2537	Alarm: High discharge temp	U8	1=Active, 0=Inactive	Heat Pump #9
2538	Alarm: Low outdoor temp	U8	1=Active, 0=Inactive	Heat Pump #9
2539	Alarm: High outdoor temp	U8	1=Active, 0=Inactive	Heat Pump #9
2540	Alarm: Low evaporation temp	U8	1=Active, 0=Inactive	Heat Pump #9
2541	Alarm: High evaporation temp	U8	1=Active, 0=Inactive	Heat Pump #9
2542	Alarm: High condensing temp	U8	1=Active, 0=Inactive	Heat Pump #9
2543	Alarm: Brine pump overload	U8	1=Active, 0=Inactive	Heat Pump #9
2544	Alarm: Charge pump overload	U8	1=Active, 0=Inactive	Heat Pump #9
2545	Alarm: Compressor overload	U8	1=Active, 0=Inactive	Heat Pump #9
2546	Alarm: High pressure	U8	1=Active, 0=Inactive	Heat Pump #9
2547	Alarm: Brine low flow	U8	1=Active, 0=Inactive	Heat Pump #9
2548	Alarm: Brine low temp	U8	1=Active, 0=Inactive	Heat Pump #9
2550	Alarm: Ground source circuit outlet temperature	U8	1=Active, 0=Inactive	Heat Pump #9
2551	Alarm: Ground source circuit inlet temperature	U8	1=Active, 0=Inactive	Heat Pump #9
2552	Alarm: Primary system inlet temperature	U8	1=Active, 0=Inactive	Heat Pump #9
2553	Alarm: Outside air temperature	U8	1=Active, 0=Inactive	Heat Pump #9
2554	Alarm: Primary system outlet temperature	U8	1=Active, 0=Inactive	Heat Pump #9
2555	Alarm: Compressor discharge gas temperature	U8	1=Active, 0=Inactive	Heat Pump #9
2556	Alarm: Compressor suction temperature	U8	1=Active, 0=Inactive	Heat Pump #9
2557	Alarm: High pressure	U8	1=Active, 0=Inactive	Heat Pump #9
2558	Alarm: Low pressure	U8	1=Active, 0=Inactive	Heat Pump #9
2559	Alarm: Fan overload	U8	1=Active, 0=Inactive	Heat Pump #9
2560	Alarm: 4-way valve fault	U8	1=Active, 0=Inactive	Heat Pump #9
2561	Alarm: Compressor inverter	U8	1=Active, 0=Inactive	Heat Pump #9
2562	Alarm: EVO offline	U8	1=Active, 0=Inactive	Heat Pump #9
2564	Alarm: High compr current	U8	1=Active, 0=Inactive	Heat Pump #9
2565	Alarm: Low compr current	U8	1=Active, 0=Inactive	Heat Pump #9
2566	Alarm: Phase1 missing	U8	1=Active, 0=Inactive	Heat Pump #9
2567	Alarm: Phase2 missing	U8	1=Active, 0=Inactive	Heat Pump #9
2568	Alarm: Phase3 missing	U8	1=Active, 0=Inactive	Heat Pump #9
2569	Alarm: Phase sequence	U8	1=Active, 0=Inactive	Heat Pump #9
2570	Alarm: Communication error Soft starter	U8	1=Active, 0=Inactive	Heat Pump #9
2571	Alarm: Compressor model	U8	1=Active, 0=Inactive	Heat Pump #9
2572	Alarm: Heat pump	U8	1=Active, 0=Inactive	Heat Pump #9
2573	Alarm: Communication error heat pump	U8	1=Active, 0=Inactive	Heat Pump #9

2575	Alarm: High return temp	U8	1=Active, 0=Inactive						Heat Pump #10
2576	Alarm: High discharge temp	U8	1=Active, 0=Inactive						Heat Pump #10
2577	Alarm: Low outdoor temp	U8	1=Active, 0=Inactive						Heat Pump #10
2578	Alarm: High outdoor temp	U8	1=Active, 0=Inactive						Heat Pump #10
2579	Alarm: Low evaporation temp	U8	1=Active, 0=Inactive						Heat Pump #10
2580	Alarm: High evaporation temp	U8	1=Active, 0=Inactive						Heat Pump #10
2581	Alarm: High condensing temp	U8	1=Active, 0=Inactive						Heat Pump #10
2582	Alarm: Brine pump overload	U8	1=Active, 0=Inactive						Heat Pump #10
2583	Alarm: Charge pump overload	U8	1=Active, 0=Inactive						Heat Pump #10
2584	Alarm: Compressor overload	U8	1=Active, 0=Inactive						Heat Pump #10
2585	Alarm: High pressure	U8	1=Active, 0=Inactive						Heat Pump #10
2586	Alarm: Brine low flow	U8	1=Active, 0=Inactive						Heat Pump #10
2587	Alarm: Brine low temp	U8	1=Active, 0=Inactive						Heat Pump #10
2589	Alarm: Ground source circuit outlet temperature	U8	1=Active, 0=Inactive						Heat Pump #10
2590	Alarm: Ground source circuit inlet temperature	U8	1=Active, 0=Inactive						Heat Pump #10
2591	Alarm: Primary system inlet temperature	U8	1=Active, 0=Inactive						Heat Pump #10
2592	Alarm: Outside air temperature	U8	1=Active, 0=Inactive						Heat Pump #10
2593	Alarm: Primary system outlet temperature	U8	1=Active, 0=Inactive						Heat Pump #10
2594	Alarm: Compressor discharge gas temperature	U8	1=Active, 0=Inactive						Heat Pump #10
2595	Alarm: Compressor suction temperature	U8	1=Active, 0=Inactive						Heat Pump #10
2596	Alarm: High pressure	U8	1=Active, 0=Inactive						Heat Pump #10
2597	Alarm: Low pressure	U8	1=Active, 0=Inactive						Heat Pump #10
2598	Alarm: Fan overload	U8	1=Active, 0=Inactive						Heat Pump #10
2599	Alarm: 4-way valve fault	U8	1=Active, 0=Inactive						Heat Pump #10
2600	Alarm: Compressor inverter	U8	1=Active, 0=Inactive						Heat Pump #10
2601	Alarm: EVO offline	U8	1=Active, 0=Inactive						Heat Pump #10
2603	Alarm: High compr current	U8	1=Active, 0=Inactive						Heat Pump #10
2604	Alarm: Low compr current	U8	1=Active, 0=Inactive						Heat Pump #10
2605	Alarm: Phase1 missing	U8	1=Active, 0=Inactive						Heat Pump #10
2606	Alarm: Phase2 missing	U8	1=Active, 0=Inactive						Heat Pump #10
2607	Alarm: Phase3 missing	U8	1=Active, 0=Inactive						Heat Pump #10
2608	Alarm: Phase sequence	U8	1=Active, 0=Inactive						Heat Pump #10
2609	Alarm: Communication error Soft starter	U8	1=Active, 0=Inactive						Heat Pump #10
2610	Alarm: Compressor model	U8	1=Active, 0=Inactive						Heat Pump #10
2611	Alarm: Heat pump	U8	1=Active, 0=Inactive						Heat Pump #10
2612	Alarm: Communication error heat pump	U8	1=Active, 0=Inactive						Heat Pump #10
2863	Holiday period	S16			0	300		0	EcoLogic
2864	Extra hot water	S16			0	20		0	EcoLogic
2865	Hot water temperature mode	S16			0	2		1	EcoLogic
2866	Rad. sys. 1 room temp setpoint	S16		x0.1 °C	50	300		200	EcoLogic
2867	Rad. sys. 2 room temp setpoint	S16		x0.1 °C	50	300		200	EcoLogic
2868	Rad. sys. 3 room temp setpoint	S16		x0.1 °C	50	300		200	EcoLogic
2869	Rad. sys. 4 room temp setpoint	S16		x0.1 °C	50	300		200	EcoLogic
2871	Rad. sys. 1 room sensor enabled (B11)	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE		EcoLogic
2872	Rad. sys. 1 wireless room sensor enabled	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE		EcoLogic
2873	Rad. sys. 1 max primary flow setp. temp	S16		x0.1 °C	300	800		550	EcoLogic
2874	Rad. sys. 1 Min primary flow setp. Temp	S16		x0.1 °C	140	650		140	EcoLogic
2875	Rad. sys. 1 Heating off, outdoor temp.	S16		x0.1 °C	100	300		180	EcoLogic
2876	Rad. sys. 1 Heating off, outdoor time	S16			30	240		120	EcoLogic
2877	Rad. sys. 1 inclination	S16		x0.1 °C	250	850		500	EcoLogic
2878	Rad. sys. 1 adjustment °C	S16		x0.1 °C	-200	200		0	EcoLogic
2879	Rad. sys. 1 primary flow reduced	S16		x0.1 °C	-300	0		-30	EcoLogic
2880	Rad. sys. 1 room temp reduced	S16		x0.1 °C	-300	0		-20	EcoLogic
2881	Rad. sys. 1 heating circ pump speed	S16			0	101		101	EcoLogic
2887	Rad. sys. 2 enabled	S16	0=Disable, 1=Enable		0	1		0	EcoLogic
2888	Rad. sys. 2 room sensor enabled (B22)	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE		EcoLogic
2889	Rad. sys. 2 wireless room sensor enabled	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE		EcoLogic
2890	Rad. sys. 2 max primary flow setp. temp	S16		x0.1 °C	300	800		550	EcoLogic
2891	Rad. sys. 2 Min primary flow setp. Temp	S16		x0.1 °C	140	650		140	EcoLogic
2892	Rad. sys. 2 Heating off, outdoor temp.	S16		x0.1 °C	100	300		180	EcoLogic
2893	Rad. sys. 2 Heating off, outdoor time	S16			30	240		120	EcoLogic
2894	Rad. sys. 2 inclination	S16		x0.1 °C	250	850		500	EcoLogic
2895	Rad. sys. 2 adjustment °C	S16		x0.1 °C	-200	200		0	EcoLogic
2896	Rad. sys. 2 primary flow reduced	S16		x0.1 °C	-300	0		-30	EcoLogic
2897	Rad. sys. 2 room temp reduced	S16		x0.1 °C	-300	0		-20	EcoLogic
2898	Rad. sys. 2 heating circ pump speed	S16		x0.1 %	0	101		101	EcoLogic
2904	Rad. sys. 3 enabled	S16	0=Disable, 1=Enable		0	1		0	EcoLogic
2905	Rad. sys. 3 room sensor enabled (B33)	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE		EcoLogic
2906	Rad. sys. 3 wireless room sensor enabled	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE		EcoLogic
2907	Rad. sys. 3 max primary flow setp. temp	S16		x0.1 °C	300	800		550	EcoLogic
2908	Rad. sys. 3 Min primary flow setp. Temp	S16		x0.1 °C	140	650		140	EcoLogic
2909	Rad. sys. 3 Heating off, outdoor temp.	S16		x0.1 °C	100	300		180	EcoLogic
2910	Rad. sys. 3 Heating off, outdoor time	S16			30	240		120	EcoLogic
2911	Rad. sys. 3 inclination	S16		x0.1 °C	250	850		500	EcoLogic
2912	Rad. sys. 3 adjustment °C	S16		x0.1 °C	-200	200		0	EcoLogic
2913	Rad. sys. 3 primary flow reduced	S16		x0.1 °C	-300	0		-30	EcoLogic
2914	Rad. sys. 3 room temp reduced	S16		x0.1 °C	-300	0		-20	EcoLogic
2915	Rad. sys. 3 heating circ pump speed	S16		x0.1 %	0	101		101	EcoLogic
2921	Rad. sys. 4 enabled	S16	0=Disable, 1=Enable		0	1		0	EcoLogic
2922	Rad. sys. 4 room sensor enabled (B44)	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE		EcoLogic
2923	Rad. sys. 4 wireless room sensor enabled	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE		EcoLogic
2924	Rad. sys. 4 max primary flow setp. temp	S16		x0.1 °C	300	800		550	EcoLogic
2925	Rad. sys. 4 Min primary flow setp. Temp	S16		x0.1 °C	140	650		140	EcoLogic
2926	Rad. sys. 4 Heating off, outdoor temp.	S16		x0.1 °C	100	300		180	EcoLogic
2927	Rad. sys. 4 Heating off, outdoor time	S16			30	240		120	EcoLogic
2928	Rad. sys. 4 inclination	S16		x0.1 °C	250	850		500	EcoLogic
2929	Rad. sys. 4 adjustment °C	S16		x0.1 °C	-200	200		0	EcoLogic
2930	Rad. sys. 4 primary flow reduced	S16		x0.1 °C	-300	0		-30	EcoLogic
2931	Rad. sys. 4 room temp reduced	S16		x0.1 °C	-300	0		-20	EcoLogic
2932	Rad. sys. 4 heating circ pump speed	S16		x0.1 %	0	101		101	EcoLogic
2938	HP1: Heat pump defined	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE		EcoLogic
2939	HP1: Compressor A1 enable	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE		EcoLogic
2940	HP1: Stop at outdoor (EcoAir)	S16		x0.1 °C	-200	-100		-150	EcoLogic
2941	HP1: Start at degree minute	S16			-900	-30		-60	EcoLogic
2942	HP1: Max primary HP diff °C	S16			30	200		100	EcoLogic
2943	HP1: Max primary HP Add diff °C	S16			50	200		140	EcoLogic
2944	HP1: Diff between comp.	S16			-200	-30		-60	EcoLogic
2945	HP1: Delay between comp.	S16			5	180		30	EcoLogic
2946	HP1: Prio A/W °C	S16			-200	150		70	EcoLogic
2947	HP1: Cont. brine pump on	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE		EcoLogic
2948	HP1: Compressor stop at brine°C	S16			-70	50		-50	EcoLogic
2949	HP1: Brine pump on 10 days	S16	0=Disable, 1=Enable		0	10		0	EcoLogic
2951	HP2: Heat pump defined	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE		EcoLogic
2952	HP2: Compressor A2 enable	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE		EcoLogic

2953	HP2: Stop at outdoor (EcoAir)	S16		x0.1 °C	-200	-100	-150	
2954	HP2: Cont. brine pump on	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoLogic
2955	HP2: Compressor stop at brine°C	S16			-70	50	-50	EcoLogic
2956	HP2: Brine pump on 10 days	S16	0=Disable, 1=Enable		0	10	0	EcoLogic
2957	HP3: Heat pump defined	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoLogic
2958	HP3: Compressor A3 enable	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoLogic
2959	HP3: Stop at outdoor (EcoAir)	S16		x0.1 °C	-200	-100	-150	
2960	HP3: Cont. brine pump on	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoLogic
2961	HP3: Compressor stop at brine°C	S16			-70	50	-50	EcoLogic
2962	HP3: Brine pump on 10 days	S16	0=Disable, 1=Enable		0	10	0	EcoLogic
2963	HP4: Heat pump defined	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoLogic
2964	HP4: Compressor A4 enable	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoLogic
2965	HP4: Stop at outdoor (EcoAir)	S16		x0.1 °C	-200	-100	-150	
2966	HP4: Cont. brine pump on	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoLogic
2967	HP4: Compressor stop at brine°C	S16			-70	50	-50	EcoLogic
2968	HP4: Brine pump on 10 days	S16	0=Disable, 1=Enable		0	10	0	EcoLogic
2969	HP5: Heat pump defined	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoLogic
2970	HP5: Compressor A5 enable	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoLogic
2971	HP5: Stop at outdoor (EcoAir)	S16		x0.1 °C	-200	-100	-150	
2972	HP5: Cont. brine pump on	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoLogic
2973	HP5: Compressor stop at brine°C	S16			-70	50	-50	EcoLogic
2974	HP5: Brine pump on 10 days	S16	0=Disable, 1=Enable		0	10	0	EcoLogic
2975	HP6: Heat pump defined	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoLogic
2976	HP6: Compressor A6 enable	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoLogic
2977	HP6: Stop at outdoor (EcoAir)	S16		x0.1 °C	-200	-100	-150	
2978	HP6: Cont. brine pump on	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoLogic
2979	HP6: Compressor stop at brine°C	S16			-70	50	-50	EcoLogic
2980	HP6: Brine pump on 10 days	S16	0=Disable, 1=Enable		0	10	0	EcoLogic
2981	HP7: Heat pump defined	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoLogic
2982	HP7: Compressor A7 enable	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoLogic
2983	HP7: Stop at outdoor (EcoAir)	S16		x0.1 °C	-200	-100	-150	
2984	HP7: Cont. brine pump on	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoLogic
2985	HP7: Compressor stop at brine°C	S16			-70	50	-50	EcoLogic
2986	HP7: Brine pump on 10 days	S16	0=Disable, 1=Enable		0	10	0	EcoLogic
2987	HP8: Heat pump defined	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoLogic
2988	HP8: Compressor A8 enable	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoLogic
2989	HP8: Stop at outdoor (EcoAir)	S16		x0.1 °C	-200	-100	-150	
2990	HP8: Cont. brine pump on	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoLogic
2991	HP8: Compressor stop at brine°C	S16			-70	50	-50	EcoLogic
2992	HP8: Brine pump on 10 days	S16	0=Disable, 1=Enable		0	10	0	EcoLogic
2993	HP9: Heat pump defined	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoLogic
2994	HP9: Compressor A9 enable	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoLogic
2995	HP9: Stop at outdoor (EcoAir)	S16		x0.1 °C	-200	-100	-150	
2996	HP9: Cont. brine pump on	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoLogic
2997	HP9: Compressor stop at brine°C	S16			-70	50	-50	EcoLogic
2998	HP9: Brine pump on 10 days	S16	0=Disable, 1=Enable		0	10	0	EcoLogic
2999	HP10: Heat pump defined	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoLogic
3000	HP10: Compressor A10 enable	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoLogic
3001	HP10: Stop at outdoor (EcoAir)	S16		x0.1 °C	-200	-100	-150	
3002	HP10: Cont. brine pump on	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoLogic
3003	HP10: Compressor stop at brine°C	S16			-70	50	-50	EcoLogic
3004	HP10: Brine pump on 10 days	S16	0=Disable, 1=Enable		0	10	0	EcoLogic
3005	Remote control, NS/RS/XVV	S16	0=Disable, 1=Enable		0	1	0	EcoLogic
3007	Add heat A11 start at degree minute	S16			-900	-30	-500	EcoLogic
3008	Add heat A11 diff degree minute	S16			-300	-20	-100	EcoLogic
3009	Add heat 0..10V start at degree minute	S16			-900	-30	-500	EcoLogic
3010	Add diff 0..10V degree minute	S16			-300	-20	-100	EcoLogic
3011	Start EcoMiniEl, at degree minute	S16			-900	-30	-500	EcoLogic
3012	Add diff step EcoMiniEl.	S16			-300	-20	-50	EcoLogic
3013	Add delay heat E1	S16			30	480	180	EcoLogic
3014	Add diff Delay E1	S16			10	120	60	EcoLogic
3015	Add delay 0..10V	S16			30	480	180	EcoLogic
3016	Add diff delay 0..10V	S16			10	120	60	EcoLogic
3017	Add delay EcoMiniEl	S16			30	480	180	EcoLogic
3018	Add delay EcoMiniEl step	S16			10	120	30	EcoLogic
3019	Add block, at outdoor temp	S16			-150	100	50	EcoLogic
3020	Add boiler, open mixing valve at temp.	S16			100	800	700	EcoLogic
3021	Add heat max primary flow temp	S16			300	850	550	EcoLogic
3030	Start wood boiler at fluegas temp	S16			500	1500	1000	EcoLogic
3032	DHW Heat pump stop temp	S16			200	600	550	EcoLogic
3033	DHW Tank charge hysteresis	S16			30	70	50	EcoLogic
3034	DHW Exta hot water stop temp	S16			200	620	600	EcoLogic
3035	DHW Tank max time	S16			5	60	20	EcoLogic
3036	Heating max time	S16			5	60	40	EcoLogic
3037	Delay heating calc	S16			1	7	3	EcoLogic
3038	Add heat for DHW	S16			0	2	2	EcoLogic
3039	Add heat DHW relay	S16			DISABLE	ENABLE	ENABLE	EcoLogic
3040	Add heat DHW 0..10V	S16			0	100	30	EcoLogic
3041	Add heat DHW EcoMiniEl	S16			0	3	3	EcoLogic
3042	Min temp DHW	S16			200	550	450	EcoLogic
3044	Periodic extra DHW, days	S16			0	30	14	EcoLogic
3045	DHW charge min delta temp	S16			20	70	30	EcoLogic
3046	DHW tank charge hysteresis 2	S16			0	100	30	EcoLogic
3047	Stop DHW charge at diff max cond	S16			2	10	3	EcoLogic
3048	DHW circulation on time	S16			1	90	4	EcoLogic
3049	DHW circulation period time	S16			5	90	15	EcoLogic
3050	Diff start ext. DHW buffer	S16			30	150	50	EcoLogic
3058	Solar delta-t max	S16			30	300	70	EcoLogic
3059	Solar delta-t min	S16			20	200	30	EcoLogic
3060	Solar pump min	S16			30	100	30	EcoLogic
3061	Solar max temp boiler	S16			100	950	850	EcoLogic
3062	Solar max temp DHW	S16			100	950	850	EcoLogic
3063	Solar max temp buffer	S16			100	950	850	EcoLogic
3064	Solar brine max	S16			10	300	180	EcoLogic
3065	Solar arGroundMax	S16			30	1200	600	EcoLogic
3066	Solar ar GroundMin	S16			10	1180	300	EcoLogic
3067	Solar test tank	S16			1	20	4	EcoLogic
3068	Solar test freq	S16			30	180	30	EcoLogic
3069	Solar winter mode	S16			DISABLE	ENABLE	DISABLE	EcoLogic
3072	Solar flow	S16			1	50	6	EcoLogic
3074	Def solar prot. max temp	S16			1100	1500	1200	EcoLogic
3075	Def solar prot. cooling	S16			DISABLE	ENABLE	ENABLE	EcoLogic
3076	Def solar prot. recool	S16			DISABLE	ENABLE	DISABLE	EcoLogic
3077	Solar prot. recool temp	S16			500	800	700	EcoLogic
3078	Def solar anti freeze	S16			DISABLE	ENABLE	DISABLE	EcoLogic

3079	Def solar antifreeze temp	S16		-300	-70	-250	EcoLogic
3081	Pool temp	S16		200	580	220	EcoLogic
3082	Pool diff	S16		2	50	10	EcoLogic
3083	Pool prio	S16		0	1	0	EcoLogic
3085	BMS node adress	S16		1	200	1	EcoLogic
3086	BMS baud rate	S16		0	1	0	EcoLogic
3087	BMS parity	S16		0	2	1	EcoLogic
3088	BMS stop bit	S16		1	2	1	EcoLogic
3090	Cooling permitted from outdoor temp.	S16		0	40	40	EcoLogic
3091	Flow temp at outdoor 20	S16		20	200	200	EcoLogic
3092	Flow temp at outdoor 40	S16		20	200	100	EcoLogic
3093	Min flow temp	S16		20	250	180	EcoLogic
3094	Start cooling at over temp	S16		5	150	10	EcoLogic
3095	Stop cooling at over temp	S16		1	140	5	EcoLogic
3098	System type	S16		1	6	1	EcoLogic
3099	Mixing valve add heat	S16		DISABLE	ENABLE	DISABLE	EcoLogic
3100	EcoMiniEI defined	S16		DISABLE	ENABLE	DISABLE	EcoLogic
3101	AddHeat 0..10V defined	S16		DISABLE	ENABLE	DISABLE	EcoLogic
3102	No. of heat pumps for DHW	U16		1	2	1	EcoLogic
3103	Heating flow during DHW	S16		DISABLE	ENABLE	DISABLE	EcoLogic
3105	Def DHW tank	S16		DISABLE	ENABLE	DISABLE	EcoLogic
3106	Def DHW circulation	S16		DISABLE	ENABLE	DISABLE	EcoLogic
3107	Def DHW extra buffer	S16		DISABLE	ENABLE	DISABLE	EcoLogic
3109	Def Solar panels	S16		DISABLE	ENABLE	DISABLE	EcoLogic
3110	Solar connection	S16		1	4	1	EcoLogic
3111	Solar vacuum	S16		DISABLE	ENABLE	DISABLE	EcoLogic
3112	Solar drill hole recharge	S16		DISABLE	ENABLE	DISABLE	EcoLogic
3114	Def pool	S16		DISABLE	ENABLE	DISABLE	EcoLogic
3115	Def cooling	S16		DISABLE	ENABLE	DISABLE	EcoLogic
3117	Def. Gsm	S16		DISABLE	ENABLE	DISABLE	EcoLogic
3129	Heat water 1 temp calib.	S16		-30	30	0	EcoLogic
3130	Heat water 2 temp calib.	S16		-30	30	0	EcoLogic
3131	Room 1 temp calib.	S16		-30	30	0	EcoLogic
3132	Room 2 temp calib.	S16		-30	30	0	EcoLogic
3133	OutsideTemp_calib	S16		-30	30	0	EcoLogic
3134	Solar panel outlet temp calib.	S16		-30	30	0	EcoLogic
3135	Solar panel inlet temp calib.	S16		-30	30	0	EcoLogic
3136	Language	S16		0	4	0	EcoLogic
3138	Logg USB data enabled	U16		0	1	0	EcoLogic
3143	Highest heat water temp	S16					EcoLogic
3144	Operating El. Power kWh	U16					EcoLogic