

BMS/parameter list for CTC EcoZenith i550



Detta tillbehör fungerar endast om produktens programversion är från 20140214 eller nyare

This accessory will only work if the product has program version 20140214 or later.

Dieses Zubehörteil funktioniert nur, wenn das Produkt mit der Programmversion 20140214 oder höher läuft.

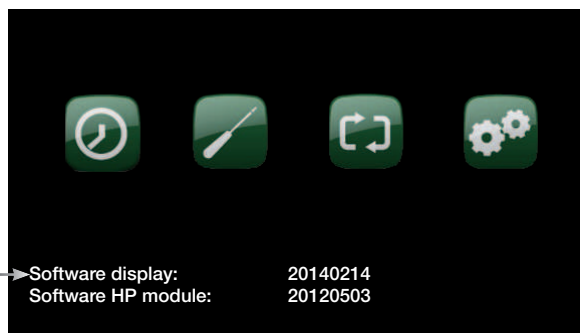
Cet accessoire ne pourra fonctionner que si le produit est équipé de la version 20140214 du programme ou d'une version plus récente.

Dit accessoire werkt alleen als het product programmaversie 20140214 of later heeft.

Dette tilbehør virker kun, hvis produktet har programversion 20140214 eller nyere.

Dette tilbehøret fungerer bare hvis produktets programversjon er fra 20140214 eller nyere

Tämä lisälaite toimii vain, jos tuotteen ohjelmaversio on päivätty aikaisintaan 20140214.



Register	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		Heating circuit 1 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		Flue Gas Sensor B8 Boiler	S16						Relay Card
48		Solar Panel Outlet °C (B31)	S16						Expansion Card
49		Solar Panel Inlet°C (B30)	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
63		Solar panel pump (G30)	U16						Expansion Card
64		Solar heat exchanger pump (G32)	U16						Expansion Card
434		Brine temperature out	S16						Heat Pump #1
435		Brine temperature in	S16						Heat Pump #1
436		Flow temperature in	S16						Heat Pump #1
437		OutsideTemp	S16						Heat Pump #1
438		Flow temperature out	S16						Heat Pump #1
441		High pressure	S16						Heat Pump #1
442		Low pressure	S16						Heat Pump #1
443		Calculated condensing temperature	S16						Heat Pump #1
444		Calculated evaporating temperature	S16						Heat Pump #1
449		Sort start current	S16						Heat Pump #1
450		Defrost timer	S16						Heat Pump #1
451		Compressor start delay timer	S16						Heat Pump #1
452		Charge pump value (%)	S16						Heat Pump #1
453		Fan brine pump value	S16						Heat Pump #1
454		Relays	S16						Heat Pump #1
454	0	Compressor	Bit	1=On, 0=Off					Heat Pump #1
454	1	Fan low speed	Bit	1=On, 0=Off					Heat Pump #1
454	2	Fan high speed	Bit	1=On, 0=Off					Heat Pump #1
454	3	Brine pump	Bit	1=On, 0=Off					Heat Pump #1
454	4	Charge pump	Bit	1=On, 0=Off					Heat Pump #1
454	5	Heating cable	Bit	1=On, 0=Off					Heat Pump #1
454	6	Defrost 4-way valve	Bit	1=On, 0=Off					Heat Pump #1
454	7	N/C	Bit	1=On, 0=Off					Heat Pump #1
454	8	N/C	Bit	1=On, 0=Off					Heat Pump #1
454	9	N/C	Bit	1=On, 0=Off					Heat Pump #1
454	10	N/C	Bit	1=On, 0=Off					Heat Pump #1
454	11	N/C	Bit	1=On, 0=Off					Heat Pump #1
454	12	N/C	Bit	1=On, 0=Off					Heat Pump #1
454	13	N/C	Bit	1=On, 0=Off					Heat Pump #1
454	14	N/C	Bit	1=On, 0=Off					Heat Pump #1
454	15	N/C	Bit	1=On, 0=Off					Heat Pump #1
458		HPstatus 0 = Compressor_off_start_delay. 1 =Compressor_off_redy_to_start 2 = Compressor_wait_until_flow 3 = Comperssor_on_heating 4 = Defrost_active 5 = Comperssor_on_cooling 6 = Compressor_off_blocked 7 = Compressor_off_alarm 8 = Function_test	U8						Heat Pump #1
459		Compressor blocks	S16						Heat Pump #1
459	0	High return temp.	Bit	1=Active, 0=Inactive					Heat Pump #1
459	1	High discharge temp.	Bit	1=Active, 0=Inactive					Heat Pump #1
459	2	Low outdoor temp.	Bit	1=Active, 0=Inactive					Heat Pump #1
459	3	High outdoor temp.	Bit	1=Active, 0=Inactive					Heat Pump #1
459	4	Low evaporation temp	Bit	1=Active, 0=Inactive					Heat Pump #1
459	5	High evaporation temp	Bit	1=Active, 0=Inactive					Heat Pump #1
459	6	High condensing temp	Bit	1=Active, 0=Inactive					Heat Pump #1
459	7	Low suction temp EVO	Bit	1=Active, 0=Inactive					Heat Pump #1
459	8	Low evap. temp. EVO	Bit	1=Active, 0=Inactive					Heat Pump #1
459	9	High evap. temp. EVO	Bit	1=Active, 0=Inactive					Heat Pump #1
459	10	Low superheat EVO	Bit	1=Active, 0=Inactive					Heat Pump #1
459	11	High condense temp.EVO	Bit	1=Active, 0=Inactive					Heat Pump #1
459	12	High pressure	Bit	1=Active, 0=Inactive					Heat Pump #1
459	13	N/C	Bit	1=Active, 0=Inactive					Heat Pump #1
459	14	N/C	Bit	1=Active, 0=Inactive					Heat Pump #1
459	15	N/C	Bit	1=Active, 0=Inactive					Heat Pump #1
460		Alarm1	S16						Heat Pump #1
460	0	N/A	Bit	1=Active, 0=Inactive					Heat Pump #1
460	1	N/A	Bit	1=Active, 0=Inactive					Heat Pump #1
460	2	N/A	Bit	1=Active, 0=Inactive					Heat Pump #1
460	3	Alarm 1: Pump overload	Bit	1=Active, 0=Inactive					Heat Pump #1
460	4	Alarm 1: System pump overload	Bit	1=Active, 0=Inactive					Heat Pump #1
460	5	Alarm 1: Compressor overload	Bit	1=Active, 0=Inactive					Heat Pump #1
460	6	N/A	Bit	1=Active, 0=Inactive					Heat Pump #1
460	7	Alarm 1: High pressure	Bit	1=Active, 0=Inactive					Heat Pump #1

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

615	Flow temperature out	S16		Heat Pump #2
618	High pressure	S16		Heat Pump #2
619	Low pressure	S16		Heat Pump #2
620	Calculated condensing temperature	S16		Heat Pump #2
621	Calculated evaporating temperature	S16		Heat Pump #2
626	Soft start current	S16		Heat Pump #2
627	Defrost timer	S16		Heat Pump #2
628	Compressor start delay timer	S16		Heat Pump #2
629	Charge pump value (%)	S16		Heat Pump #2
630	Fan brine pump value	S16		Heat Pump #2
631	Relays	S16		Heat Pump #2
631	0 Compressor	Bit	1=On, 0=Off	Heat Pump #2
631	1 Fan low speed	Bit	1=On, 0=Off	Heat Pump #2
631	2 Fan high speed	Bit	1=On, 0=Off	Heat Pump #2
631	3 Brine pump	Bit	1=On, 0=Off	Heat Pump #2
631	4 Charge pump	Bit	1=On, 0=Off	Heat Pump #2
631	5 Heating cable	Bit	1=On, 0=Off	Heat Pump #2
631	6 Defrost 4-way valve	Bit	1=On, 0=Off	Heat Pump #2
631	7 N/C	Bit	1=On, 0=Off	Heat Pump #2
631	8 N/C	Bit	1=On, 0=Off	Heat Pump #2
631	9 N/C	Bit	1=On, 0=Off	Heat Pump #2
631	10 N/C	Bit	1=On, 0=Off	Heat Pump #2
631	11 N/C	Bit	1=On, 0=Off	Heat Pump #2
631	12 N/C	Bit	1=On, 0=Off	Heat Pump #2
631	13 N/C	Bit	1=On, 0=Off	Heat Pump #2
631	14 N/C	Bit	1=On, 0=Off	Heat Pump #2
631	15 N/C	Bit	1=On, 0=Off	Heat Pump #2
635	HPstatus	U8		Heat Pump #2
	0 = Compressor_off_start_delay.			
	1 =Compressor_off_redy_to_start			
	2 = Compressor_wait_until_flow			
	3 = Comperssor_on_heating			
	4 = Defrost_active			
	5 = Comperssor_on_cooling			
	6 = Compressor_off_blocked			
	7 = Compressor_off_alarm			
	8 = Function_test			
636	Compressor blocks	S16		Heat Pump #2
636	0 High return temp.	Bit	1=Active, 0=Inactive	Heat Pump #2
636	1 High discharge temp.	Bit	1=Active, 0=Inactive	Heat Pump #2
636	2 Low outdoor temp.	Bit	1=Active, 0=Inactive	Heat Pump #2
636	3 High outdoor temp.	Bit	1=Active, 0=Inactive	Heat Pump #2
636	4 Low evaporation temp	Bit	1=Active, 0=Inactive	Heat Pump #2
636	5 High evaporation temp	Bit	1=Active, 0=Inactive	Heat Pump #2
636	6 High condensing temp	Bit	1=Active, 0=Inactive	Heat Pump #2
636	7 Low suction temp EVO	Bit	1=Active, 0=Inactive	Heat Pump #2
636	8 Low evap. temp. EVO	Bit	1=Active, 0=Inactive	Heat Pump #2
636	9 High evap. temp. EVO	Bit	1=Active, 0=Inactive	Heat Pump #2
636	10 Low superheat EVO	Bit	1=Active, 0=Inactive	Heat Pump #2
636	11 High condense temp.EVO	Bit	1=Active, 0=Inactive	Heat Pump #2
636	12 High pressure	Bit	1=Active, 0=Inactive	Heat Pump #2
636	13 N/C	Bit	1=Active, 0=Inactive	Heat Pump #2
636	14 N/C	Bit	1=Active, 0=Inactive	Heat Pump #2
636	15 N/C	Bit	1=Active, 0=Inactive	Heat Pump #2
637	Alarm1	S16		Heat Pump #2
637	0 N/A	Bit	1=Active, 0=Inactive	Heat Pump #2
637	1 N/A	Bit	1=Active, 0=Inactive	Heat Pump #2
637	2 N/A	Bit	1=Active, 0=Inactive	Heat Pump #2
637	3 Alarm 1: Pump overload	Bit	1=Active, 0=Inactive	Heat Pump #2
637	4 Alarm 1: System pump overload	Bit	1=Active, 0=Inactive	Heat Pump #2
637	5 Alarm 1: Compressor overload	Bit	1=Active, 0=Inactive	Heat Pump #2
637	6 N/A	Bit	1=Active, 0=Inactive	Heat Pump #2
637	7 Alarm 1: High pressure	Bit	1=Active, 0=Inactive	Heat Pump #2
637	8 N/A	Bit	1=Active, 0=Inactive	Heat Pump #2
637	9 N/A	Bit	1=Active, 0=Inactive	Heat Pump #2
637	10 N/A	Bit	1=Active, 0=Inactive	Heat Pump #2
637	11 Alarm 1: Risk of freezing	Bit	1=Active, 0=Inactive	Heat Pump #2
637	12 Alarm 1: Low brine flow	Bit	1=Active, 0=Inactive	Heat Pump #2
637	13 Alarm 1: Low brine temperature	Bit	1=Active, 0=Inactive	Heat Pump #2
637	14 N/C	Bit	1=Active, 0=Inactive	Heat Pump #2
637	15 N/C	Bit	1=Active, 0=Inactive	Heat Pump #2
638	Alarm2	S16		Heat Pump #2
638	0 Alarm 2: Low pressure diff	Bit	1=Active, 0=Inactive	Heat Pump #2
638	1 Alarm 2: Sensor brine out	Bit	1=Active, 0=Inactive	Heat Pump #2
638	2 Alarm 2: Sensor brine in	Bit	1=Active, 0=Inactive	Heat Pump #2
638	3 N/A	Bit	1=Active, 0=Inactive	Heat Pump #2
638	4 Alarm 2: Sensor heat pump in	Bit	1=Active, 0=Inactive	Heat Pump #2
638	5 N/A	Bit	1=Active, 0=Inactive	Heat Pump #2
638	6 Alarm 2: Sensor outdoor	Bit	1=Active, 0=Inactive	Heat Pump #2
638	7 Alarm 2: Sensor heat pump out	Bit	1=Active, 0=Inactive	Heat Pump #2
638	8 N/A	Bit	1=Active, 0=Inactive	Heat Pump #2
638	9 Alarm 2: Sensor discharge	Bit	1=Active, 0=Inactive	Heat Pump #2
638	10 Alarm 2: Sensor suction gas	Bit	1=Active, 0=Inactive	Heat Pump #2
638	11 Alarm 2: Sensor high pressure	Bit	1=Active, 0=Inactive	Heat Pump #2
638	12 Alarm 2: Sensor low pressure	Bit	1=Active, 0=Inactive	Heat Pump #2
638	13 Alarm 2: Fan	Bit	1=Active, 0=Inactive	Heat Pump #2
638	14 N/A	Bit	1=Active, 0=Inactive	Heat Pump #2
638	15 Alarm 2: 4-way valve	Bit	1=Active, 0=Inactive	Heat Pump #2
639	Alarm3	S16		Heat Pump #2
639	0 Alarm 3: Compressor Inverter	Bit	1=Active, 0=Inactive	Heat Pump #2
639	1 N/A	Bit	1=Active, 0=Inactive	Heat Pump #2
639	2 N/A	Bit	1=Active, 0=Inactive	Heat Pump #2
639	3 N/A	Bit	1=Active, 0=Inactive	Heat Pump #2
639	4 N/A	Bit	1=Active, 0=Inactive	Heat Pump #2
639	5 N/A	Bit	1=Active, 0=Inactive	Heat Pump #2
639	6 N/A	Bit	1=Active, 0=Inactive	Heat Pump #2
639	7 N/A	Bit	1=Active, 0=Inactive	Heat Pump #2
639	8 N/A	Bit	1=Active, 0=Inactive	Heat Pump #2
639	9 N/A	Bit	1=Active, 0=Inactive	Heat Pump #2
639	10 N/A	Bit	1=Active, 0=Inactive	Heat Pump #2

639	11 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
639	12 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
639	13 Alarm 3: EVO Off	Bit	1=Active, 0=Inactive				Heat Pump #2
639	14 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
639	15 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
640	Alarm4	S16					Heat Pump #2
640	0 Alarm 4: Compressor high current	Bit	1=Active, 0=Inactive				Heat Pump #2
640	1 Alarm 4: Compressor low current	Bit	1=Active, 0=Inactive				Heat Pump #2
640	2 Alarm 4: Phase 1 missing	Bit	1=Active, 0=Inactive				Heat Pump #2
640	3 Alarm 4: Phase 2 missing	Bit	1=Active, 0=Inactive				Heat Pump #2
640	4 Alarm 4: Phase 3 missing	Bit	1=Active, 0=Inactive				Heat Pump #2
640	5 Alarm 4: Phase sequence error	Bit	1=Active, 0=Inactive				Heat Pump #2
640	6 Alarm 4: Communication error Softstarter	Bit	1=Active, 0=Inactive				Heat Pump #2
640	7 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
640	8 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
640	9 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
640	10 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
640	11 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
640	12 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
640	13 N/A	Bit	1=Active, 0=Inactive				Heat Pump #2
640	14 N/C	Bit	1=Active, 0=Inactive				Heat Pump #2
640	15 N/C	Bit	1=Active, 0=Inactive				Heat Pump #2
644	Compressor operating hours (high)	U16	h x 1000				Heat Pump #2
645	Compressor operating hours (low)	U16	h x 1				Heat Pump #2
646	Compressor operating time/24 hours	U16	1 min				Heat Pump #2
647	Compressor starts/24 hours	U16					Heat Pump #2
648	Energy heat counter high part	U16	x 10000 Kwh				Heat Pump #2
649	Energy heat counter low part	U16	x 1 Kwh				Heat Pump #2
651	Flow temperature in (when alarm occurred)	S16	0,1 °C				Heat Pump #2
652	Flow temperature out (when alarm occurred)	S16	0,1 °C				Heat Pump #2
653	Brine temperature in (when alarm occurred)	S16	0,1 °C				Heat Pump #2
654	Brine temperature out (when alarm occurred)	S16	0,1 °C				Heat Pump #2
655	Outdoor temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #2
656	Superheat temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #2
657	High pressure (when alarm occurred)	S16	0,1 Bar				Heat Pump #2
658	Low pressure (when alarm occurred)	S16	0,1 Bar				Heat Pump #2
659	Expansion valve position (when alarm occurred)	S16	0,1 %				Heat Pump #2
660	Soft starter current (when alarm occurred)	S16	0,1 A				Heat Pump #2
661	Hp Bios version	S16					Heat Pump #2
662	Hp Application Software Version	S16					Heat Pump #2
663	Discharge superheat temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #2
664	Stored CTC product type	S16		0	2	0	Heat Pump #2
665	Stored compressor type	S16		0	12	0	Heat Pump #2
667	Max outdoor compressor operation Ecoair	S16		150	700	400	Heat Pump #2
673	Min outdoor compressor operation Ecoair	S16		0	100	0	Heat Pump #2
676	Start delay time	S16		0	1	0	Heat Pump #2
742	Brine in min temp	S16		0	999	392	Heat Pump #2
743	Brine max delta temp	S16		0	999	347	Heat Pump #2
746	HP demand type	S16		0	3	0	Heat Pump #2
747	HP demand	S16		0	1000	0	Heat Pump #2
748	Command to reset all alarms on supervisor	S16		0	1	0	Heat Pump #2
749	Start delay reset	S16		0	1	0	Heat Pump #2
752	Charge pump speed demand.	S16		0	1000	0	Heat Pump #2
753	Brine pump speed demand.(EcoHeat/EcoPart) / Fan speed demand.(EcoAir)	S16		0	1000	0	Heat Pump #2
788	Brine temperature out	S16					Heat Pump #3
789	Brine temperature in	S16					Heat Pump #3
790	Flow temperature in	S16					Heat Pump #3
791	OutsideTemp	S16					Heat Pump #3
792	Flow temperature out	S16					Heat Pump #3
795	High pressure	S16					Heat Pump #3
796	Low pressure	S16					Heat Pump #3
797	Calculated condensing temperature	S16					Heat Pump #3
798	Calculated evaporating temperature	S16					Heat Pump #3
803	Soft start current	S16					Heat Pump #3
804	Defrost timer	S16					Heat Pump #3
805	Compressor start delay timer	S16					Heat Pump #3
806	Charge pump value (%)	S16					Heat Pump #3
807	Fan brine pump value	S16					Heat Pump #3
808	Relays	S16					Heat Pump #3
808	0 Compressor	Bit	1=On, 0=Off				Heat Pump #3
808	1 Fan low speed	Bit	1=On, 0=Off				Heat Pump #3
808	2 Fan high speed	Bit	1=On, 0=Off				Heat Pump #3
808	3 Brine pump	Bit	1=On, 0=Off				Heat Pump #3
808	4 Charge pump	Bit	1=On, 0=Off				Heat Pump #3
808	5 Heating cable	Bit	1=On, 0=Off				Heat Pump #3
808	6 Defrost 4-way valve	Bit	1=On, 0=Off				Heat Pump #3
808	7 N/C	Bit	1=On, 0=Off				Heat Pump #3
808	8 N/C	Bit	1=On, 0=Off				Heat Pump #3
808	9 N/C	Bit	1=On, 0=Off				Heat Pump #3
808	10 N/C	Bit	1=On, 0=Off				Heat Pump #3
808	11 N/C	Bit	1=On, 0=Off				Heat Pump #3
808	12 N/C	Bit	1=On, 0=Off				Heat Pump #3
808	13 N/C	Bit	1=On, 0=Off				Heat Pump #3
808	14 N/C	Bit	1=On, 0=Off				Heat Pump #3
808	15 N/C	Bit	1=On, 0=Off				Heat Pump #3

812	HPstatus 0 = Compressor_off_start_delay. 1 =Compressor_off_redy_to_start 2 = Compressor_wait_until_flow 3 = Comperssor_on_heating 4 = Defrost_active 5 = Comperssor_on_cooling 6 = Compressor_off_blocked 7 = Compressor_off_alarm 8 = Function_test	U8		Heat Pump #3
813	Compressor blocks	S16		Heat Pump #3
813	0 High return temp.	Bit	1=Active, 0=Inactive	Heat Pump #3
813	1 High discharge temp.	Bit	1=Active, 0=Inactive	Heat Pump #3
813	2 Low outdoor temp.	Bit	1=Active, 0=Inactive	Heat Pump #3
813	3 High outdoor temp.	Bit	1=Active, 0=Inactive	Heat Pump #3
813	4 Low evaporation temp	Bit	1=Active, 0=Inactive	Heat Pump #3
813	5 High evaporation temp	Bit	1=Active, 0=Inactive	Heat Pump #3
813	6 High condensing temp	Bit	1=Active, 0=Inactive	Heat Pump #3
813	7 Low suction temp EVO	Bit	1=Active, 0=Inactive	Heat Pump #3
813	8 Low evap. temp. EVO	Bit	1=Active, 0=Inactive	Heat Pump #3
813	9 High evap. temp. EVO	Bit	1=Active, 0=Inactive	Heat Pump #3
813	10 Low superheat EVO	Bit	1=Active, 0=Inactive	Heat Pump #3
813	11 High condense temp.EVO	Bit	1=Active, 0=Inactive	Heat Pump #3
813	12 High pressure	Bit	1=Active, 0=Inactive	Heat Pump #3
813	13 N/C	Bit	1=Active, 0=Inactive	Heat Pump #3
813	14 N/C	Bit	1=Active, 0=Inactive	Heat Pump #3
813	15 N/C	Bit	1=Active, 0=Inactive	Heat Pump #3
814	Alarm1	S16		Heat Pump #3
814	0 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
814	1 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
814	2 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
814	3 Alarm 1: Pump overload	Bit	1=Active, 0=Inactive	Heat Pump #3
814	4 Alarm 1: System pump overload	Bit	1=Active, 0=Inactive	Heat Pump #3
814	5 Alarm 1: Compressor overload	Bit	1=Active, 0=Inactive	Heat Pump #3
814	6 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
814	7 Alarm 1: High pressure	Bit	1=Active, 0=Inactive	Heat Pump #3
814	8 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
814	9 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
814	10 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
814	11 Alarm 1: Risk of freezing	Bit	1=Active, 0=Inactive	Heat Pump #3
814	12 Alarm 1: Low brine flow	Bit	1=Active, 0=Inactive	Heat Pump #3
814	13 Alarm 1: Low brine temperature	Bit	1=Active, 0=Inactive	Heat Pump #3
814	14 N/C	Bit	1=Active, 0=Inactive	Heat Pump #3
814	15 N/C	Bit	1=Active, 0=Inactive	Heat Pump #3
815	Alarm2	S16		Heat Pump #3
815	0 Alarm 2: Low pressure diff	Bit	1=Active, 0=Inactive	Heat Pump #3
815	1 Alarm 2: Sensor brine out	Bit	1=Active, 0=Inactive	Heat Pump #3
815	2 Alarm 2: Sensor brine in	Bit	1=Active, 0=Inactive	Heat Pump #3
815	3 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
815	4 Alarm 2: Sensor heat pump in	Bit	1=Active, 0=Inactive	Heat Pump #3
815	5 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
815	6 Alarm 2: Sensor outdoor	Bit	1=Active, 0=Inactive	Heat Pump #3
815	7 Alarm 2: Sensor heat pump out	Bit	1=Active, 0=Inactive	Heat Pump #3
815	8 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
815	9 Alarm 2: Sensor discharge	Bit	1=Active, 0=Inactive	Heat Pump #3
815	10 Alarm 2: Sensor suction gas	Bit	1=Active, 0=Inactive	Heat Pump #3
815	11 Alarm 2: Sensor high pressure	Bit	1=Active, 0=Inactive	Heat Pump #3
815	12 Alarm 2: Sensor low pressure	Bit	1=Active, 0=Inactive	Heat Pump #3
815	13 Alarm 2: Fan	Bit	1=Active, 0=Inactive	Heat Pump #3
815	14 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
815	15 Alarm 2: 4-way valve	Bit	1=Active, 0=Inactive	Heat Pump #3
816	Alarm3	S16		Heat Pump #3
816	0 Alarm 3: Compressor Inverter	Bit	1=Active, 0=Inactive	Heat Pump #3
816	1 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
816	2 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
816	3 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
816	4 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
816	5 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
816	6 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
816	7 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
816	8 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
816	9 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
816	10 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
816	11 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
816	12 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
816	13 Alarm 3: EVO Off	Bit	1=Active, 0=Inactive	Heat Pump #3
816	14 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
816	15 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
817	Alarm4	S16		Heat Pump #3
817	0 Alarm 4: Compressor high current	Bit	1=Active, 0=Inactive	Heat Pump #3
817	1 Alarm 4: Compressor low current	Bit	1=Active, 0=Inactive	Heat Pump #3
817	2 Alarm 4: Phase 1 missing	Bit	1=Active, 0=Inactive	Heat Pump #3
817	3 Alarm 4: Phase 2 missing	Bit	1=Active, 0=Inactive	Heat Pump #3
817	4 Alarm 4: Phase 3 missing	Bit	1=Active, 0=Inactive	Heat Pump #3
817	5 Alarm 4: Phase sequence error	Bit	1=Active, 0=Inactive	Heat Pump #3
817	6 Alarm 4: Communication error Softstarter	Bit	1=Active, 0=Inactive	Heat Pump #3
817	7 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
817	8 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
817	9 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
817	10 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
817	11 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
817	12 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
817	13 N/A	Bit	1=Active, 0=Inactive	Heat Pump #3
817	14 N/C	Bit	1=Active, 0=Inactive	Heat Pump #3
817	15 N/C	Bit	1=Active, 0=Inactive	Heat Pump #3
821	Compressor operating hours (high)	U16	h x 1000	Heat Pump #3
822	Compressor operating hours (low)	U16	h x 1	Heat Pump #3
823	Compressor operating time/24 hours	U16	1 min	Heat Pump #3
824	Compressor starts/24 hours	U16		Heat Pump #3
825	Energy heat counter high part	U16	x 10000 Kwh	Heat Pump #3

826	Energy heat counter low part	U16	x 1 Kwh				Heat Pump #3
828	Flow temperature in (when alarm occurred)	S16	0,1 °C				Heat Pump #3
829	Flow temperature out (when alarm occurred)	S16	0,1 °C				Heat Pump #3
830	Brine temperature in (when alarm occurred)	S16	0,1 °C				Heat Pump #3
831	Brine temperature out (when alarm occurred)	S16	0,1 °C				Heat Pump #3
832	Outdoor temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #3
833	Superheat temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #3
834	High pressure (when alarm occurred)	S16	0,1 Bar				Heat Pump #3
835	Low pressure (when alarm occurred)	S16	0,1 Bar				Heat Pump #3
836	Expansion valve position (when alarm occurred)	S16	0,1 %				Heat Pump #3
837	Soft starter current (when alarm occurred)	S16	0,1 A				Heat Pump #3
838	Hp Bios version	S16					Heat Pump #3
839	Hp Application Software Version	S16					Heat Pump #3
840	Discharge superheat temperature (when alarm occurred)	S16	0,1 °C				Heat Pump #3
841	Stored CTC product type	S16		0	2	0	Heat Pump #3
842	Stored compressor type	S16		0	12	0	Heat Pump #3
844	Max outdoor compressor operation Ecoair	S16		150	700	400	Heat Pump #3
850	Min outdoor compressor operation Ecoair	S16		0	100	0	Heat Pump #3
853	Start delay time	S16		0	1	0	Heat Pump #3
919	Brine in min temp	S16		0	999	392	Heat Pump #3
920	Brine max delta temp	S16		0	999	347	Heat Pump #3
923	HP demand type	S16		0	3	0	Heat Pump #3
924	HP demand	S16		0	1000	0	Heat Pump #3
925	Command to reset all alarms on supervisor	S16		0	1	0	Heat Pump #3
926	Start delay reset	S16		0	1	0	Heat Pump #3
929	Charge pump speed demand.	S16		0	1000	0	Heat Pump #3
930	Brine pump speed demand.(EcoHeat/EcoPart) / Fan speed demand.(EcoAir)	S16		0	1000	0	Heat Pump #3
2026	Rad. Sys 1. Heat water setp. temp	S16					EcoZenith
2027	Rad. Sys 2. Heat water setp. temp	S16					EcoZenith
2028	Rad. Sys 3. Heat water setp. temp	S16					EcoZenith
2029	Rad. Sys 4. Heat water setp. temp	S16					EcoZenith
2031	Tank heat water setp. temp	S16					EcoZenith
2032	DHW Add heat setp.temp	S16					EcoZenith
2033	DHW Hp heat setp.temp	S16					EcoZenith
2034	Delay timer, add heat	S16					EcoZenith
2035	CoolWaterSetptemp	S16					EcoZenith
2036	Demand no. of hp.	U16					EcoZenith
2139	Alarm: Wood boiler temp B9	U8	1=Active, 0=Inactive				EcoZenith
2140	Alarm: DHW tank temp (B5)	U8	1=Active, 0=Inactive				EcoZenith
2141	Alarm: Heating buffer tank temp (B6)	U8	1=Active, 0=Inactive				EcoZenith
2143	Alarm: Ext. boiler temp (B10)	U8	1=Active, 0=Inactive				EcoZenith
2144	Alarm: Outdoor temp	U8	1=Active, 0=Inactive				EcoZenith
2145	Alarm: Heat water temp. rad Sys. 1	U8	1=Active, 0=Inactive				EcoZenith
2146	Alarm: Heat water temp. rad Sys. 2	U8	1=Active, 0=Inactive				EcoZenith
2147	Alarm: Heat water temp. rad Sys. 3	U8	1=Active, 0=Inactive				EcoZenith
2149	Alarm: Sensor B11 Room 1	U8	1=Active, 0=Inactive				EcoZenith
2150	Alarm: Sensor B12 Room 2	U8	1=Active, 0=Inactive				EcoZenith
2151	Alarm: Sensor B13 Room 3	U8	1=Active, 0=Inactive				EcoZenith
2160	Alarm: Solar panel outlet temp	U8	1=Active, 0=Inactive				EcoZenith
2161	Alarm: Solar panel Intlet temp	U8	1=Active, 0=Inactive				EcoZenith
2162	Alarm: Sensor ext buffer (B41)	U8	1=Active, 0=Inactive				EcoZenith
2163	Alarm: Sensor ext buffer (B42)	U8	1=Active, 0=Inactive				EcoZenith
2165	Alarm: Pool temp	U8	1=Active, 0=Inactive				EcoZenith
2169	Alarm: No connection with GSM terminal	U8	1=Active, 0=Inactive				EcoZenith
2172	Alarm: Pin code active	U8	1=Active, 0=Inactive				EcoZenith
2173	Alarm: SIM card missing	U8	1=Active, 0=Inactive				EcoZenith
2174	Alarm: No GSM signal	U8	1=Active, 0=Inactive				EcoZenith
2176	Alarm: No connection with antenna	U8	1=Active, 0=Inactive				EcoZenith
2221	Alarm: High return temp	U8	1=Active, 0=Inactive				Heat Pump #1
2222	Alarm: High discharge temp	U8	1=Active, 0=Inactive				Heat Pump #1
2223	Alarm: Low outdoor temp	U8	1=Active, 0=Inactive				Heat Pump #1
2224	Alarm: High outdoor temp	U8	1=Active, 0=Inactive				Heat Pump #1
2225	Alarm: Low evaporation temp	U8	1=Active, 0=Inactive				Heat Pump #1
2226	Alarm: High evaporation temp	U8	1=Active, 0=Inactive				Heat Pump #1
2227	Alarm: High condensing temp	U8	1=Active, 0=Inactive				Heat Pump #1
2228	Alarm: Brine pump overload	U8	1=Active, 0=Inactive				Heat Pump #1
2229	Alarm: Charge pump overload	U8	1=Active, 0=Inactive				Heat Pump #1
2230	Alarm: Compressor overload	U8	1=Active, 0=Inactive				Heat Pump #1
2238	Alarm: High pressure	U8	1=Active, 0=Inactive				Heat Pump #1
2239	Alarm: Brine low flow	U8	1=Active, 0=Inactive				Heat Pump #1
2240	Alarm: Brine low temp	U8	1=Active, 0=Inactive				Heat Pump #1
2242	Alarm: Ground source circuit outlet temperature	U8	1=Active, 0=Inactive				Heat Pump #1
2243	Alarm: Ground source circuit inlet temperature	U8	1=Active, 0=Inactive				Heat Pump #1
2244	Alarm: Primary system inlet temperature	U8	1=Active, 0=Inactive				Heat Pump #1
2245	Alarm: Outside air temperature	U8	1=Active, 0=Inactive				Heat Pump #1
2246	Alarm: Primary system outlet temperature	U8	1=Active, 0=Inactive				Heat Pump #1
2247	Alarm: Compressor discharge gas temperature	U8	1=Active, 0=Inactive				Heat Pump #1
2248	Alarm: Compressor suction temperature	U8	1=Active, 0=Inactive				Heat Pump #1
2249	Alarm: High pressure	U8	1=Active, 0=Inactive				Heat Pump #1
2250	Alarm: Low pressure	U8	1=Active, 0=Inactive				Heat Pump #1
2251	Alarm: Fan overload	U8	1=Active, 0=Inactive				Heat Pump #1
2252	Alarm: 4-way valve fault	U8	1=Active, 0=Inactive				Heat Pump #1
2253	Alarm: Compressor inverter	U8	1=Active, 0=Inactive				Heat Pump #1
2254	Alarm: EVO offline	U8	1=Active, 0=Inactive				Heat Pump #1
2256	Alarm: High compr current	U8	1=Active, 0=Inactive				Heat Pump #1
2257	Alarm: Low compr current	U8	1=Active, 0=Inactive				Heat Pump #1
2258	Alarm: Phase1 missing	U8	1=Active, 0=Inactive				Heat Pump #1
2259	Alarm: Phase2 missing	U8	1=Active, 0=Inactive				Heat Pump #1
2260	Alarm: Phase3 missing	U8	1=Active, 0=Inactive				Heat Pump #1
2261	Alarm: Phase sequence	U8	1=Active, 0=Inactive				Heat Pump #1
2262	Alarm: Communication error Soft starter	U8	1=Active, 0=Inactive				Heat Pump #1
2263	Alarm: Compressor model	U8	1=Active, 0=Inactive				Heat Pump #1

2264	Alarm: Heat pump	U8	1=Active, 0=Inactive					Heat Pump #1
2265	Alarm: Communication error heat pump	U8	1=Active, 0=Inactive					Heat Pump #1
2266	Alarm: High return temp	U8	1=Active, 0=Inactive					Heat Pump #2
2267	Alarm: High discharge temp	U8	1=Active, 0=Inactive					Heat Pump #2
2268	Alarm: Low outdoor temp	U8	1=Active, 0=Inactive					Heat Pump #2
2269	Alarm: High outdoor temp	U8	1=Active, 0=Inactive					Heat Pump #2
2270	Alarm: Low evaporation temp	U8	1=Active, 0=Inactive					Heat Pump #2
2271	Alarm: High evaporation temp	U8	1=Active, 0=Inactive					Heat Pump #2
2272	Alarm: High condensing temp	U8	1=Active, 0=Inactive					Heat Pump #2
2273	Alarm: Brine pump overload	U8	1=Active, 0=Inactive					Heat Pump #2
2274	Alarm: Charge pump overload	U8	1=Active, 0=Inactive					Heat Pump #2
2275	Alarm: Compressor overload	U8	1=Active, 0=Inactive					Heat Pump #2
2277	Alarm: High pressure	U8	1=Active, 0=Inactive					Heat Pump #2
2278	Alarm: Brine low flow	U8	1=Active, 0=Inactive					Heat Pump #2
2279	Alarm: Brine low temp	U8	1=Active, 0=Inactive					Heat Pump #2
2281	Alarm: Ground source circuit outlet temperature	U8	1=Active, 0=Inactive					Heat Pump #2
2282	Alarm: Ground source circuit inlet temperature	U8	1=Active, 0=Inactive					Heat Pump #2
2283	Alarm: Primary system inlet temperature	U8	1=Active, 0=Inactive					Heat Pump #2
2284	Alarm: Outside air temperature	U8	1=Active, 0=Inactive					Heat Pump #2
2285	Alarm: Primary system outlet temperature	U8	1=Active, 0=Inactive					Heat Pump #2
2286	Alarm: Compressor discharge gas temperature	U8	1=Active, 0=Inactive					Heat Pump #2
2287	Alarm: Compressor suction temperature	U8	1=Active, 0=Inactive					Heat Pump #2
2288	Alarm: High pressure	U8	1=Active, 0=Inactive					Heat Pump #2
2289	Alarm: Low pressure	U8	1=Active, 0=Inactive					Heat Pump #2
2290	Alarm: Fan overload	U8	1=Active, 0=Inactive					Heat Pump #2
2291	Alarm: 4-way valve fault	U8	1=Active, 0=Inactive					Heat Pump #2
2292	Alarm: Compressor inverter	U8	1=Active, 0=Inactive					Heat Pump #2
2293	Alarm: EVO offline	U8	1=Active, 0=Inactive					Heat Pump #2
2295	Alarm: High compr current	U8	1=Active, 0=Inactive					Heat Pump #2
2296	Alarm: Low compr current	U8	1=Active, 0=Inactive					Heat Pump #2
2297	Alarm: Phase1 missing	U8	1=Active, 0=Inactive					Heat Pump #2
2298	Alarm: Phase2 missing	U8	1=Active, 0=Inactive					Heat Pump #2
2299	Alarm: Phase3 missing	U8	1=Active, 0=Inactive					Heat Pump #2
2300	Alarm: Phase sequence	U8	1=Active, 0=Inactive					Heat Pump #2
2301	Alarm: Communication error Soft starter	U8	1=Active, 0=Inactive					Heat Pump #2
2302	Alarm: Compressor model	U8	1=Active, 0=Inactive					Heat Pump #2
2303	Alarm: Heat pump	U8	1=Active, 0=Inactive					Heat Pump #2
2304	Alarm: Communication error heat pump	U8	1=Active, 0=Inactive					Heat Pump #2
2305	Alarm: High return temp	U8	1=Active, 0=Inactive					Heat Pump #3
2306	Alarm: High discharge temp	U8	1=Active, 0=Inactive					Heat Pump #3
2307	Alarm: Low outdoor temp	U8	1=Active, 0=Inactive					Heat Pump #3
2308	Alarm: High outdoor temp	U8	1=Active, 0=Inactive					Heat Pump #3
2309	Alarm: Low evaporation temp	U8	1=Active, 0=Inactive					Heat Pump #3
2310	Alarm: High evaporation temp	U8	1=Active, 0=Inactive					Heat Pump #3
2311	Alarm: High condensing temp	U8	1=Active, 0=Inactive					Heat Pump #3
2312	Alarm: Brine pump overload	U8	1=Active, 0=Inactive					Heat Pump #3
2313	Alarm: Charge pump overload	U8	1=Active, 0=Inactive					Heat Pump #3
2314	Alarm: Compressor overload	U8	1=Active, 0=Inactive					Heat Pump #3
2316	Alarm: High pressure	U8	1=Active, 0=Inactive					Heat Pump #3
2317	Alarm: Brine low flow	U8	1=Active, 0=Inactive					Heat Pump #3
2318	Alarm: Brine low temp	U8	1=Active, 0=Inactive					Heat Pump #3
2320	Alarm: Ground source circuit outlet temperature	U8	1=Active, 0=Inactive					Heat Pump #3
2321	Alarm: Ground source circuit inlet temperature	U8	1=Active, 0=Inactive					Heat Pump #3
2322	Alarm: Primary system inlet temperature	U8	1=Active, 0=Inactive					Heat Pump #3
2323	Alarm: Outside air temperature	U8	1=Active, 0=Inactive					Heat Pump #3
2324	Alarm: Primary system outlet temperature	U8	1=Active, 0=Inactive					Heat Pump #3
2325	Alarm: Compressor discharge gas temperature	U8	1=Active, 0=Inactive					Heat Pump #3
2326	Alarm: Compressor suction temperature	U8	1=Active, 0=Inactive					Heat Pump #3
2327	Alarm: High pressure	U8	1=Active, 0=Inactive					Heat Pump #3
2328	Alarm: Low pressure	U8	1=Active, 0=Inactive					Heat Pump #3
2329	Alarm: Fan overload	U8	1=Active, 0=Inactive					Heat Pump #3
2330	Alarm: 4-way valve fault	U8	1=Active, 0=Inactive					Heat Pump #3
2331	Alarm: Compressor inverter	U8	1=Active, 0=Inactive					Heat Pump #3
2332	Alarm: EVO offline	U8	1=Active, 0=Inactive					Heat Pump #3
2334	Alarm: High compr current	U8	1=Active, 0=Inactive					Heat Pump #3
2335	Alarm: Low compr current	U8	1=Active, 0=Inactive					Heat Pump #3
2336	Alarm: Phase1 missing	U8	1=Active, 0=Inactive					Heat Pump #3
2337	Alarm: Phase2 missing	U8	1=Active, 0=Inactive					Heat Pump #3
2338	Alarm: Phase3 missing	U8	1=Active, 0=Inactive					Heat Pump #3
2339	Alarm: Phase sequence	U8	1=Active, 0=Inactive					Heat Pump #3
2340	Alarm: Communication error Soft starter	U8	1=Active, 0=Inactive					Heat Pump #3
2341	Alarm: Compressor model	U8	1=Active, 0=Inactive					Heat Pump #3
2342	Alarm: Heat pump	U8	1=Active, 0=Inactive					Heat Pump #3
2343	Alarm: Communication error heat pump	U8	1=Active, 0=Inactive					Heat Pump #3
2890	Holiday period	S16			0	300		0 EcoZenith
2891	Extra hot water	S16			0	20		0 EcoZenith
2892	Hot water temperature mode	S16			0	2		1 EcoZenith
2893	Rad. Sys. 1 Room temp setpoint	S16	x0.1 °C		50	300		200 EcoZenith
2894	Rad. Sys. 2 Room temp setpoint	S16	x0.1 °C		50	300		200 EcoZenith
2895	Rad. Sys. 3 Room temp setpoint	S16	x0.1 °C		50	300		200 EcoZenith
2898	Rad. sys. 1 room sensor enabled (B11)	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoZenith
2899	Rad. sys. 1 wireless room sensor enabled	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoZenith
2900	Rad. sys. 1 max primary flow setp. temp	S16	x0.1 °C		300	800		550 EcoZenith
2901	Rad. sys. 1 Min primary flow setp. Temp	S16	x0.1 °C		140	650		140 EcoZenith
2902	Rad. sys. 1 Heating off, outdoor temp.	S16	x0.1 °C		100	300		180 EcoZenith
2903	Rad. sys. 1 Heating off, outdoor time	S16			30	240		120 EcoZenith
2904	Rad. sys. 1 inclination	S16	x0.1 °C		250	850		500 EcoZenith
2905	Rad. sys. 1 adjustment °C	S16	x0.1 °C		-200	200		0 EcoZenith
2906	Rad. sys. 1 primary flow reduced	S16	x0.1 °C		-300	0		-30 EcoZenith
2907	Rad. sys. 1 room temp reduced	S16	x0.1 °C		-300	0		-20 EcoZenith
2908	Rad. sys. 1 heating circ pump speed	S16			0	101		101 EcoZenith
2914	Rad. sys. 2 enabled	S16	0=Disable, 1=Enable		0	1		0 EcoZenith
2915	Rad. sys. 2 room sensor enabled (B22)	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoZenith
2916	Rad. sys. 2 wireless room sensor enabled	S16	0=Disable, 1=Enable		DISABLE	ENABLE	DISABLE	EcoZenith
2917	Rad. sys. 2 max primary flow setp. temp	S16	x0.1 °C		300	800		550 EcoZenith

2918	Rad. sys. 2 Min primary flow setp. Temp	S16	x0.1 °C	140	650	140	EcoZenith
2919	Rad. sys. 2 Heating off, outdoor temp.	S16	x0.1 °C	100	300	180	EcoZenith
2920	Rad. sys. 2 Heating off, outdoor time	S16		30	240	120	EcoZenith
2921	Rad. sys. 2 inclination	S16	x0.1 °C	250	850	500	EcoZenith
2922	Rad. sys. 2 adjustment °C	S16	x0.1 °C	-200	200	0	EcoZenith
2923	Rad. sys. 2 primary flow reduced	S16	x0.1 °C	-300	0	-30	EcoZenith
2924	Rad. sys. 2 room temp reduced	S16	x0.1 °C	-300	0	-20	EcoZenith
2925	Rad. sys. 2 heating circ pump speed	S16	x0.1 %	0	101	101	EcoZenith
2931	Rad. sys. 3 enabled	S16	0=Disable, 1=Enable	0	1	0	EcoZenith
2932	Rad. sys. 3 room sensor enabled (B33)	S16	0=Disable, 1=Enable	DISABLE	ENABLE	DISABLE	EcoZenith
2933	Rad. sys. 3 wireless room sensor enabled	S16	0=Disable, 1=Enable	DISABLE	ENABLE	DISABLE	EcoZenith
2934	Rad. sys. 3 max primary flow setp. temp	S16	x0.1 °C	300	800	550	EcoZenith
2935	Rad. sys. 3 Min primary flow setp. Temp	S16	x0.1 °C	140	650	140	EcoZenith
2936	Rad. sys. 3 Heating off, outdoor temp.	S16	x0.1 °C	100	300	180	EcoZenith
2937	Rad. sys. 3 Heating off, outdoor time	S16		30	240	120	EcoZenith
2938	Rad. sys. 3 inclination	S16	x0.1 °C	250	850	500	EcoZenith
2939	Rad. sys. 3 adjustment °C	S16	x0.1 °C	-200	200	0	EcoZenith
2940	Rad. sys. 3 primary flow reduced	S16	x0.1 °C	-300	0	-30	EcoZenith
2941	Rad. sys. 3 room temp reduced	S16	x0.1 °C	-300	0	-20	EcoZenith
2942	Rad. sys. 3 heating circ pump speed	S16	x0.1 %	0	101	101	EcoZenith
2965	HP1: Heat pump defined	S16	0=Disable, 1=Enable	DISABLE	ENABLE	DISABLE	EcoZenith
2966	HP1: Compressor A1 enable	S16	0=Disable, 1=Enable	DISABLE	ENABLE	DISABLE	EcoZenith
2967	HP1: Stop at outdoor (EcoAir)	S16	x0.1 °C	-200	-100	-150	EcoZenith
2969	HP1: Max primary HP diff °C	S16		30	200	100	EcoZenith
2970	HP1: Max primary HP Add diff °C	S16		50	200	140	EcoZenith
2971	HP1: Diff between comp.	S16		-200	-30	-60	EcoZenith
2972	HP1: Delay between comp.	S16		5	180	30	EcoZenith
2973	HP1: Prio A/W °C	S16		-200	150	70	EcoZenith
2974	HP1: Cont. brine pump on	S16	0=Disable, 1=Enable	DISABLE	ENABLE	DISABLE	EcoZenith
2975	HP1: Compressor stop at brine°C	S16		-70	50	-50	EcoZenith
2976	HP1: Brine pump on 10 days	S16	0=Disable, 1=Enable	0	10	0	EcoZenith
2977	HP1: Tariff HP	S16	0=Disable, 1=Enable	DISABLE	ENABLE	DISABLE	EcoZenith
2978	HP2: Heat pump defined	S16	0=Disable, 1=Enable	DISABLE	ENABLE	DISABLE	EcoZenith
2979	HP2: Compressor A2 enable	S16	0=Disable, 1=Enable	DISABLE	ENABLE	DISABLE	EcoZenith
2980	HP2: Stop at outdoor (EcoAir)	S16	x0.1 °C	-200	-100	-150	EcoZenith
2981	HP2: Cont. brine pump on	S16	0=Disable, 1=Enable	DISABLE	ENABLE	DISABLE	EcoZenith
2982	HP2: Compressor stop at brine°C	S16		-70	50	-50	EcoZenith
2983	HP2: Brine pump on 10 days	S16	0=Disable, 1=Enable	0	10	0	EcoZenith
2984	HP3: Heat pump defined	S16	0=Disable, 1=Enable	DISABLE	ENABLE	DISABLE	EcoZenith
2985	HP3: Compressor A3 enable	S16	0=Disable, 1=Enable	DISABLE	ENABLE	DISABLE	EcoZenith
2986	HP3: Stop at outdoor (EcoAir)	S16	x0.1 °C	-200	-100	-150	EcoZenith
2987	HP3: Cont. brine pump on	S16	0=Disable, 1=Enable	DISABLE	ENABLE	DISABLE	EcoZenith
2988	HP3: Compressor stop at brine°C	S16		-70	50	-50	EcoZenith
2989	HP3: Brine pump on 10 days	S16	0=Disable, 1=Enable	0	10	0	EcoZenith
3032	Remote control, NS/RS/XVV	S16	0=Disable, 1=Enable	0	1	0	EcoZenith
3050	Input mains fuse size	S16		10	90	20	EcoZenith
3053	Input mains voltage	S16		0	2	0	EcoZenith
3054	Conv. Factor current sensors	U16		10	1	1	EcoZenith
3056	Electric tariff low used	S16		DISABLE	ENABLE	DISABLE	EcoZenith
3057	Start wood boiler at fluegas temp	S16		500	1500	1000	EcoZenith
3059	DHW Heat pump stop temp	S16		200	600	550	EcoZenith
3060	DHW Tank charge hysteresis	S16		30	70	50	EcoZenith
3061	DHW Exta hot water stop temp	S16		200	620	600	EcoZenith
3062	DHW Tank max time	S16		5	60	20	EcoZenith
3063	Heating max time	S16		5	60	40	EcoZenith
3064	Delay heating calc	S16		1	7	3	EcoZenith
3069	Min temp DHW	S16		200	550	450	EcoZenith
3070	Add heat for DHW	S16		0	2	2	EcoZenith
3071	Periodic extra DHW, days	S16		0	30	14	EcoZenith
3072	Max temp diff end. DHW	S16		20	70	30	EcoZenith
3073	DHW tank charge hysteresis 2	S16		0	100	30	EcoZenith
3074	Stop DHW charge at diff max cond	S16		2	10	3	EcoZenith
3075	DHW circulation on time	S16		1	90	4	EcoZenith
3076	DHW circulation period time	S16		5	90	15	EcoZenith
3077	Diff start ext. DHW buffer	S16		30	150	50	EcoZenith
3079	Heating buffer tank max temp	S16		200	600	550	EcoZenith
3080	Heating buffer tank min temp	S16		200	600	250	EcoZenith
3081	Heating buffer diff tank vs primary	S16		0	150	0	EcoZenith
3082	Heating buffer tank charge hysteresis	S16		30	100	50	EcoZenith
3083	Heating buffer tank timer setp. temp	S16		200	600	500	EcoZenith
3085	Solar delta-t max	S16		30	300	70	EcoZenith
3086	Solar delta-t min	S16		20	200	30	EcoZenith
3087	Solar pump min	S16		30	100	30	EcoZenith
3088	Solar max temp boiler	S16		100	950	850	EcoZenith
3089	Solar max temp DHW	S16		100	950	850	EcoZenith
3090	Solar max temp buffer	S16		100	950	850	EcoZenith
3091	Solar brine max	S16		10	300	180	EcoZenith
3092	Solar arGroundMax	S16		30	1200	600	EcoZenith
3093	Solar ar GroundMin	S16		10	1180	300	EcoZenith
3094	Solar test tank	S16		1	20	4	EcoZenith
3095	Solar test freq	S16		30	180	30	EcoZenith
3096	Solar winter mode	S16		DISABLE	ENABLE	DISABLE	EcoZenith
3101	Def solar prot. max temp	S16		1100	1500	1200	EcoZenith
3102	Def solar prot. cooling	S16		DISABLE	ENABLE	ENABLE	EcoZenith
3103	Def solar prot. recool	S16		DISABLE	ENABLE	DISABLE	EcoZenith
3104	Solar prot. recool temp	S16		500	800	700	EcoZenith
3105	Def solar anti freeze	S16		DISABLE	ENABLE	DISABLE	EcoZenith
3106	Def solar antif reeze temp	S16		-300	-70	-250	EcoZenith
3124	Pool temp	S16		200	580	220	EcoZenith
3125	Pool diff	S16		2	50	10	EcoZenith
3126	Pool prio	S16		0	1	0	EcoZenith
3128	BMS node adress	S16		1	200	1	EcoZenith
3129	BMS baude rate	S16		0	1	0	EcoZenith
3130	BMS parity	S16		0	2	1	EcoZenith
3131	BMS stop bit	S16		1	2	1	EcoZenith
3149	Def DHW circulation	S16		DISABLE	ENABLE	DISABLE	EcoZenith
3150	Def DHW extra buffer	S16		DISABLE	ENABLE	DISABLE	EcoZenith
3152	Def Solar panels	S16		DISABLE	ENABLE	DISABLE	EcoZenith
3154	Solar connection	S16		1	4	1	EcoZenith
3155	Solar vaccum	S16		DISABLE	ENABLE	DISABLE	EcoZenith
3156	Solar drill hole recharge	S16		DISABLE	ENABLE	DISABLE	EcoZenith

3171	Def pool	S16	DISABLE	ENABLE	DISABLE	EcoZenith
3173	Def cooling	S16	DISABLE	ENABLE	DISABLE	EcoZenith
3175	Def. Gsm	S16	DISABLE	ENABLE	DISABLE	EcoZenith
3190	Heat water 1 temp calib.	S16	-30	30	0	EcoZenith
3191	Heat water 2 temp calib.	S16	-30	30	0	EcoZenith
3192	Room 1 temp calib.	S16	-30	30	0	EcoZenith
3193	Room 2 temp calib.	S16	-30	30	0	EcoZenith
3194	OutsideTemp_calib	S16	-30	30	0	EcoZenith
3195	Solar panel outlet temp calib.	S16	-30	30	0	EcoZenith
3196	Solar panel inlet temp calib.	S16	-30	30	0	EcoZenith
3197	Language	S16	0	4	0	EcoZenith
3199	Logg USB data enabled	U16	0	1	0	EcoZenith