Adresse Dez	Register	Access	Description	Connection	Scale
General setting // Allgemeine Einstellung					
0	Modbus Adress	Read Only		Address from Dip Switch	1
1	Baude Rate	Read Only	0: 9600 1: 19200 2: 38400 3: 76800	Baud rate from Dip Switch	1
2	Parity / Stop Bits	Read Only	0: No Parity / 2 Stop Bits 1: No Parity / 1 Stop Bit 2: Even Parity / 1 Stop Bit 3: Odd Parity / 1 Stop Bit	Parity from Dip Switch	1
3	Firmware Version	Read Only	12233 -> 1.22.33 10508 -> 1.05.08	Software Point	1
4	Bootloader Version	Read Only	105 -> 1.05	Software Point	1
5	Uptime L	Read Only	Runtime of the device in seconds (Little-endian byte swap used: As long as the value is smaller than 65535, the register can be read as a normal 16-bit register)	Software Point	1
6	Uptime H	Read Only		Software Point	1
7	Heating / Cooling	Read Only	0: Heating 1: Cooling	X19 when reg 1001 is 0	1
8	Summary Error	Read Only	0: No Error 1: Error on at least one actuator 2: Mem Error on at least one actuator	Software Point	1
Group 1 // Gruppe 1 (X1 + X11)					
100	X11 Temperature in °C	Read Only	The converted temperature of the temperature sensor in tenths of °C	X11 (1/2)	0.1
101	X11 Temperature Sensor in Ω L	Read Only	The resistance of the temperature sensor in tenths of Ω 32 bit (Little-endian byte swap)	X11 (1/2)	0.1
102	X11 Temperature Sensor in Ω H	Read Only		X11 (1/2)	0.1
103	X11 Setpoint shift in Kelvin	Read Only	The potentiometer setpoint shift in tenths of Kelvin	X11 (3/4)	0.1
104	X11 Potentiometer in Ω L	Read Only	The resistance of the potentiometer in tenths of Ω 32 bit (Little-endian byte swap)	X11 (3/4)	0.1
105	X11 Potentiometer in Ω H	Read Only		X11 (3/4)	0.1
106	X11 Result Setpoint	Read Only	The resulting setpoint in tenths of °C	Software Point	0.1
107	X1 Triac Status	Read Only	0: Triac Off = 0V 1: Triac On = 230V	X1 (1/2)	1
108	A1 Errors	Read Only	Bit 0: Temperature Sensor not connected -> Heating / Cooling will be disabled Bit 1: Temperature Sensor out of range -> Heating / Cooling will be disabled Bit 2: Potentiometer not connected -> setpoint will be equal to 'A1 Setpoint' (address 1111) Bit 3: Potentiometer out of range -> setpoint will be equal to 'A1 Setpoint' (address 1111) Note: The Temperature sensor is out of range when its converted temperature is < -20 °C or > +60 °C. The Potentiometer is out of range when its value is < 0.5 * 'P1 Potentiometer Minimum' (address 1105) or > 1.5 * 'P1 Potentiometer Maximum' (address 1106).	Software Point	1
109	A1 Mem Errors	Read Only	Same as register 'Errors' but the individual errors will not reset to 0 when the error is no longer present. The 'Mem Errors' also remain stored after a power failure. Write 1 to 'A1 Clear Errors' (address 1102) to clear the Mem Errors.	Software Point	1
Group 2 // Gruppe 2 (X2 + X12)					
200	X12 Temperature in °C	Read Only	The converted temperature of the temperature sensor in tenths of °C	X12 (1/2)	0.1
201	X12 Temperature Sensor in Ω L	Read Only	The resistance of the temperature sensor in tenths of Ω 32 bit (Little-endian byte swap)	X12 (1/2)	0.1
202	X12 Temperature Sensor in Ω H	Read Only		X12 (1/2)	0.1
203	X12 Setpoint shift in Kelvin	Read Only	The potentiometer setpoint shift in tenths of Kelvin	X12 (3/4)	0.1
204	X12 Potentiometer in Ω L	Read Only	The resistance of the potentiometer in tenths of Ω 32 bit (Little-endian byte swap)	X12 (3/4)	0.1
205	X12 Potentiometer in Ω H	Read Only		X12 (3/4)	0.1

206	X12 Result Setpoint	Read Only	The resulting setpoint in tenths of °C	Software Point	0.1
207	X2 Triac Status	Read Only	0: Triac Off = 0V 1: Triac On = 230V	X2 (1/2)	1
208	A2 Errors	Read Only	Bit 0: Temperature Sensor not connected -> Heating / Cooling will be disabled Bit 1: Temperature Sensor out of range -> Heating / Cooling will be disabled Bit 2: Potentiometer not connected -> setpoint will be equal to 'A2 Setpoint' (address 1211) Bit 3: Potentiometer out of range -> setpoint will be equal to 'A2 Setpoint' (address 1211) Note: The Temperature sensor is out of range when its converted temperature is < -20 °C or > +60 °C. The Potentiometer is out of range when its value is < 0.5 * 'P2 Potentiometer Minimum' (address 1205) or > 1.5 * 'P2 Potentiometer Maximum' (address 1206).	Software Point	1
209	A2 Mem Errors	Read Only	Same as register 'Errors' but the individual errors will not reset to 0 when the error is no longer present. The 'Mem Errors' also remain stored after a power failure. Write 1 to 'A2 Clear Errors' (address 1202) to clear the Mem Errors.	Software Point	1
Group 3 // Gruppe 3 (X3 + X13)					
300	X13 Temperature in °C	Read Only	The converted temperature of the temperature sensor in tenths of °C	X13 (1/2)	0.1
301	X13 Temperature Sensor in Ω L	Read Only	The resistance of the temperature sensor in tenths of Ω 32 bit (Little-endian byte swap)	X13 (1/2)	0.1
302	X13 Temperature Sensor in Ω H	Read Only		X13 (1/2)	0.1
303	X13 Setpoint shift in Kelvin	Read Only	The potentiometer setpoint shift in tenths of Kelvin	X13 (3/4)	0.1
304	X13 Potentiometer in Ω L	Read Only	The resistance of the potentiometer in tenths of Ω 32 bit (Little-endian byte swap)	X13 (3/4)	0.1
305	X13 Potentiometer in Ω H	Read Only		X13 (3/4)	0.1
306	X13 Result Setpoint	Read Only	The resulting setpoint in tenths of °C	Software Point	0.1
307	X3 Triac Status	Read Only	0: Triac Off = 0V 1: Triac On = 230V	X3 (1/2)	1
308	A3 Errors	Read Only	Bit 0: Temperature Sensor not connected -> Heating / Cooling will be disabled Bit 1: Temperature Sensor out of range -> Heating / Cooling will be disabled Bit 2: Potentiometer not connected -> setpoint will be equal to 'A3 Setpoint' (address 1311) Bit 3: Potentiometer out of range -> setpoint will be equal to 'A3 Setpoint' (address 1311) Note: The Temperature sensor is out of range when its converted temperature is < -20 °C or > +60 °C. The Potentiometer is out of range when its value is < 0.5 * 'P3 Potentiometer Minimum' (address 1305) or > 1.5 * 'P3 Potentiometer Maximum' (address 1306).	Software Point	1
309	A3 Mem Errors	Read Only	Same as register 'Errors' but the individual errors will not reset to 0 when the error is no longer present. The 'Mem Errors' also remain stored after a power failure. Write 1 to 'A3 Clear Errors' (address 1302) to clear the Mem Errors.	Software Point	1
Group 4 // Gruppe 4 (X4 + X14)					
400	X14 Temperature in °C	Read Only	The converted temperature of the temperature sensor in tenths of °C	X14 (1/2)	0.1
401	X14 Temperature Sensor in Ω L	Read Only	The resistance of the temperature sensor in tenths of Ω 32 bit (Little-endian byte swap)	X14 (1/2)	0.1
402	X14 Temperature Sensor in Ω H	Read Only		X14 (1/2)	0.1
403	X14 Setpoint shift in Kelvin	Read Only	The potentiometer setpoint shift in tenths of Kelvin	X14 (3/4)	0.1

404	X14 Potentiometer in Ω L	Read Only	The resistance of the potentiometer in tenths of Ω 32 bit (Little-endian byte swap)	X14 (3/4)	0.1
405	X14 Potentiometer in Ω H	Read Only		X14 (3/4)	0.1
406	X14 Result Setpoint	Read Only	The resulting setpoint in tenths of °C	Software Point	0.1
407	X4 Triac Status	Read Only	0: Triac Off = 0V 1: Triac On = 230V	X4 (1/2)	1
408	A4 Errors	Read Only	Bit 0: Temperature Sensor not connected -> Heating / Cooling will be disabled Bit 1: Temperature Sensor out of range -> Heating / Cooling will be disabled Bit 2: Potentiometer not connected -> setpoint will be equal to 'A4 Setpoint' (address 1411) Bit 3: Potentiometer out of range -> setpoint will be equal to 'A4 Setpoint' (address 1411) Note: The Temperature sensor is out of range when its converted temperature is < -20 °C or > +60 °C. The Potentiometer is out of range when its value is < 0.5 * 'P4 Potentiometer Minimum' (address 1405) or > 1.5 * 'P4 Potentiometer Maximum' (address 1406).	Software Point	1
409	A4 Mem Errors	Read Only	Same as register 'Errors' but the individual errors will not reset to 0 when the error is no longer present. The 'Mem Errors' also remain stored after a power failure. Write 1 to 'A4 Clear Errors' (address 1402) to clear the Mem Errors.	Software Point	1
Group 5 // Gruppe 5 (X5 + X15)					
500	X15 Temperature in °C	Read Only	The converted temperature of the temperature sensor in tenths of °C	X15 (1/2)	0.1
501	X15 Temperature Sensor in Ω L	Read Only	The resistance of the temperature sensor in tenths of Ω 32 bit (Little-endian byte swap)	X15 (1/2)	0.1
502	X15 Temperature Sensor in Ω H	Read Only		X15 (1/2)	0.1
503	X15 Setpoint shift in Kelvin	Read Only	The potentiometer setpoint shift in tenths of Kelvin	X15 (3/4)	0.1
504	X15 Potentiometer in Ω L	Read Only	The resistance of the potentiometer in tenths of Ω 32 bit (Little-endian byte swap)	X15 (3/4)	0.1
505	X15 Potentiometer in Ω H	Read Only		X15 (3/4)	0.1
506	X15 Result Setpoint	Read Only	The resulting setpoint in tenths of °C	Software Point	0.1
507	X5 Triac Status	Read Only	0: Triac Off = 0V 1: Triac On = 230V	X5 (1/2)	1
508	A5 Errors	Read Only	Bit 0: Temperature Sensor not connected -> Heating / Cooling will be disabled Bit 1: Temperature Sensor out of range -> Heating / Cooling will be disabled Bit 2: Potentiometer not connected -> setpoint will be equal to 'A5 Setpoint' (address 1511) Bit 3: Potentiometer out of range -> setpoint will be equal to 'A5 Setpoint' (address 1511) Note: The Temperature sensor is out of range when its converted temperature is < -20 °C or > +60 °C. The Potentiometer is out of range when its value is < 0.5 * 'P5 Potentiometer Minimum' (address 1505) or > 1.5 * 'P5 Potentiometer Maximum' (address 1506).	Software Point	1
509	A5 Mem Errors	Read Only	Same as register 'Errors' but the individual errors will not reset to 0 when the error is no longer present. The 'Mem Errors' also remain stored after a power failure. Write 1 to 'A5 Clear Errors' (address 1502) to clear the Mem Errors.	Software Point	1
Group 6 // Gruppe 6 (X6 + X16)					
600	X16 Temperature in °C	Read Only	The converted temperature of the temperature sensor in tenths of °C	X16 (1/2)	0.1
601	X16 Temperature Sensor in Ω L	Read Only	The resistance of the temperature sensor in tenths of Ω 32 bit (Little-endian byte swap)	X16 (1/2)	0.1
602	X16 Temperature Sensor in Ω H	Read Only		X16 (1/2)	0.1

603	X16 Setpoint shift in Kelvin	Read Only	The potentiometer setpoint shift in tenths of Kelvin	X16 (3/4)	0.1
604	X16 Potentiometer in Ω L	Read Only	The resistance of the potentiometer in tenths of Ω 32 bit (Little-endian byte swap)	X16 (3/4)	0.1
605	X16 Potentiometer in Ω H	Read Only		X16 (3/4)	0.1
606	X16 Result Setpoint	Read Only	The resulting setpoint in tenths of °C	Software Point	0.1
607	X6 Triac Status	Read Only	0: Triac Off = 0V 1: Triac On = 230V	X6 (1/2)	1
608	A6 Errors	Read Only	Bit 0: Temperature Sensor not connected -> Heating / Cooling will be disabled Bit 1: Temperature Sensor out of range -> Heating / Cooling will be disabled Bit 2: Potentiometer not connected -> setpoint will be equal to 'A6 Setpoint' (address 1611) Bit 3: Potentiometer out of range -> setpoint will be equal to 'A6 Setpoint' (address 1611) Note: The Temperature sensor is out of range when its converted temperature is < -20 °C or > +60 °C. The Potentiometer is out of range when its value is < 0.5 * 'P6 Potentiometer Minimum' (address 1605) or > 1.5 * 'P6 Potentiometer Maximum' (address 1606).	Software Point	1
609	A6 Mem Errors	Read Only	Same as register 'Errors' but the individual errors will not reset to 0 when the error is no longer present. The 'Mem Errors' also remain stored after a power failure. Write 1 to 'A6 Clear Errors' (address 1602) to clear the Mem Errors.	Software Point	1
Group 7 // Gruppe 7 (X7 + X17)					
700	X17 Temperature in °C	Read Only	The converted temperature of the temperature sensor in tenths of °C	X17 (1/2)	0.1
701	X17 Temperature Sensor in Ω L	Read Only	The resistance of the temperature sensor in tenths of Ω 32 bit (Little-endian byte swap)	X17 (1/2)	0.1
702	X17 Temperature Sensor in Ω H	Read Only		X17 (1/2)	0.1
703	X17 Setpoint shift in Kelvin	Read Only	The potentiometer setpoint shift in tenths of Kelvin	X17 (3/4)	0.1
704	X17 Potentiometer in Ω L	Read Only	The resistance of the potentiometer in tenths of Ω 32 bit (Little-endian byte swap)	X17 (3/4)	0.1
705	X17 Potentiometer in Ω H	Read Only		X17 (3/4)	0.1
706	X17 Result Setpoint	Read Only	The resulting setpoint in tenths of °C	Software Point	0.1
707	X7 Triac Status	Read Only	0: Triac Off = 0V 1: Triac On = 230V	X7 (1/2)	1
708	A7 Errors	Read Only	Bit 0: Temperature Sensor not connected -> Heating / Cooling will be disabled Bit 1: Temperature Sensor out of range -> Heating / Cooling will be disabled Bit 2: Potentiometer not connected -> setpoint will be equal to 'A7 Setpoint' (address 1711) Bit 3: Potentiometer out of range -> setpoint will be equal to 'A7 Setpoint' (address 1711) Note: The Temperature sensor is out of range when its converted temperature is < -20 °C or > +60 °C. The Potentiometer is out of range when its value is < 0.5 * 'P7 Potentiometer Minimum' (address 1705) or > 1.5 * 'P7 Potentiometer Maximum' (address 1706).	Software Point	1
709	A7 Mem Errors	Read Only	Same as register 'Errors' but the individual errors will not reset to 0 when the error is no longer present. The 'Mem Errors' also remain stored after a power failure. Write 1 to 'A7 Clear Errors' (address 1702) to clear the Mem Errors.	Software Point	1
Group 8 // Gruppe 8 (X8 + X18)					
800	X18 Temperature in °C	Read Only	The converted temperature of the temperature sensor in tenths of °C	X18 (1/2)	0.1

801	X18 Temperature Sensor in Ω L	Read Only	The resistance of the temperature sensor in tenths of Ω 32 bit (Little-endian byte swap)	X18 (1/2)	0.1
802	X18 Temperature Sensor in Ω H	Read Only		X18 (1/2)	0.1
803	X18 Setpoint shift in Kelvin	Read Only	The potentiometer setpoint shift in tenths of Kelvin	X18 (3/4)	0.1
804	X18 Potentiometer in Ω L	Read Only	The resistance of the potentiometer in tenths of Ω 32 bit (Little-endian byte swap)	X18 (3/4)	0.1
805	X18 Potentiometer in Ω H	Read Only		X18 (3/4)	0.1
806	X18 Result Setpoint	Read Only	The resulting setpoint in tenths of °C	Software Point	0.1
807	X8 Triac Status	Read Only	0: Triac Off = 0V 1: Triac On = 230V	X8 (1/2)	1
808	A8 Errors	Read Only	Bit 0: Temperature Sensor not connected -> Heating / Cooling will be disabled Bit 1: Temperature Sensor out of range -> Heating / Cooling will be disabled Bit 2: Potentiometer not connected -> setpoint will be equal to 'A8 Setpoint' (address 1811) Bit 3: Potentiometer out of range -> setpoint will be equal to 'A8 Setpoint' (address 1811) Note: The Temperature sensor is out of range when its converted temperature is < -20 °C or > +60 °C. The Potentiometer is out of range when its value is < 0.5 * 'P8 Potentiometer Minimum' (address 1805) or > 1.5 * 'P8 Potentiometer Maximum' (address 1806).	Software Point	1
809	A8 Mem Errors	Read Only	Same as register 'Errors' but the individual errors will not reset to 0 when the error is no longer present. The 'Mem Errors' also remain stored after a power failure. Write 1 to 'A8 Clear Errors' (address 1802) to clear the Mem Errors.	Software Point	1
Genaral Setting // Allgemeine Einstellungen					
1000	Local Mode / External Mode	Read/write (remanent*)	0: **Local Mode** (default) 1: External Mode	Software Point	1
1001	Heating / Cooling	Read/write (remanent*)	0: **Defined by input X19** (default) 1: Heating 2: Cooling	Software Point	1
1002	Modbus response delay	Read/write (remanent*)	Default: **10ms**	Software Point	1
1003	Clear all Mem Errors	Read/write	0: No effect 1: Clear Mem Errors of all actuators	Software Point	1
Setting Group 1 // Eintellung Gruppe 1					
1100	A1 Active	Read/write (remanent*)	0: Inactive **1: Active** (Default) - Inactive actuators will have heating / cooling disabled (when in 'Local Mode') - Inactive actuators have no influence on the 'Summary Error' register and the error LED on the device	Software Point	1
1101	A1 Set External	Read/write	0: Triac Off = 0V 1: Triac On = 230V Only valid when in 'External Mode'	Software Point	1
1102	A1 Clear Errors	Read/write	0: No effect 1: Clear Mem Errors	Software Point	1
1103	T1 Configuration Sensor Type	Read/write (remanent*)	1: 10K3A1 NTC (-20 bis 60°C) 2: 10K4A1 NTC (-20 bis 60°C) 3: 10K NTC Carel (-20 bis 60°C) 4: 20K6A1 NTC (-20 bis 60°C) 5: 2,2K3A1 NTC B=3975K (-20 bis 60°C) 6: 3K3A1 NTC (-20 bis 60°C) 7: 30K6A1 NTC (-20 bis 60°C) 8: SIE1 (-20 bis 60°C) 9: TAC1 (-20 bis 60°C) 10: SAT1 (-20 bis 60°C) **16: Pt1000** (Default) (-20 bis 60°C) 17: Ni1000 (-20 bis 60°C) 19: Ni1000 TK5000 (-20 bis 60°C)	Software Point	1
1104	T1 Sensor Offset	Read/write (remanent*)	Sensor T1 offset in tenths of Kelvin Default: **0 K** (0)	Software Point	10

1105	P1 Potentiometer Minimum	Read/write (remanent*)	The minimum resistance of the potentiometer which directly affects the setpoint. Default: **0 Ohm** (0)	Software Point	1
1106	P1 Potentiometer Maximum	Read/write (remanent*)	The maximum resistance of the potentiometer which directly affects the setpoint. Default: **1000 Ohm** (1000)	Software Point	1
1107	P1 Potentiometer Shift Minimum	Read/write (remanent*)	The setpoint shift in tenths of Kelvin when the potentiometer resistance equals 'P1 Potentiometer Minimum' Note: When the potentiometer is in the middle position, the resulting setpoint is always 'A1 Setpoint' Default: **-3 K** (-30)	Software Point	10
1108	P1 Potentiometer Shift Maximum	Read/write (remanent*)	The setpoint shift in tenths of Kelvin when the potentiometer resistance equals 'P1 Potentiometer Maximum' Note: When the potentiometer is in the middle position, the resulting setpoint is always 'A1 Setpoint' Default: **+3 K** (+30)	Software Point	10
1109	A1 Hysteresis Heating Mode	Read/write (remanent*)	Hysteresis in heating mode in tenths of Kelvin. Default: **0.5 K** (5)	Software Point	10
1110	A1 Hysteresis Cooling Mode	Read/write (remanent*)	Hysteresis in cooling mode in tenths of Kelvin. Default: **0.5 K** (5)	Software Point	10
1111	A1 Setpoint	Read/write (remanent*)	The setpoint of A1 in tenths of °C. Default: **21 °C** (210)	Software Point	10
1112	A1 Actuator Type	Read/write (remanent*)	**0: NC (Normally Closed)** 1: NO (Normally Open)	Software Point	1
Setting Group 2 // Eintellung Gruppe 2					
1200	A2 Active	Read/write (remanent*)	0: Inactive **1: Active** (Default) - Inactive actuators will have heating / cooling disabled (when in 'Local Mode') - Inactive actuators have no influence on the 'Summary Error' register and the error LED on the device	Software Point	1
1201	A2 Set External	Read/write	0: Triac Off = 0V 1: Triac On = 230V Only valid when in 'External Mode'	Software Point	1
1202	A2 Clear Errors	Read/write	0: No effect 1: Clear Mem Errors	Software Point	1
1203	T2 Configuration Sensor Type	Read/write (remanent*)	1: 10K3A1 NTC (-20 bis 60°C) 2: 10K4A1 NTC (-20 bis 60°C) 3: 10K NTC Carel (-20 bis 60°C) 4: 20K6A1 NTC (-20 bis 60°C) 5: 2,2K3A1 NTC B=3975K (-20 bis 60°C) 6: 3K3A1 NTC (-20 bis 60°C) 7: 30K6A1 NTC (-20 bis 60°C) 8: SIE1 (-20 bis 60°C) 9: TAC1 (-20 bis 60°C) 10: SAT1 (-20 bis 60°C) **16: Pt1000** (Default) (-20 bis 60°C) 17: Ni1000 (-20 bis 60°C) 19: Ni1000 TK5000 (-20 bis 60°C)	Software Point	1
1204	T2 Sensor Offset	Read/write (remanent*)	Sensor T2 offset in tenths of Kelvin Default: **0 K** (0)	Software Point	10
1205	P2 Potentiometer Minimum	Read/write (remanent*)	The minimum resistance of the potentiometer which directly affects the setpoint. Default: **0 Ohm** (0)	Software Point	10
1206	P2 Potentiometer Maximum	Read/write (remanent*)	The maximum resistance of the potentiometer which directly affects the setpoint. Default: **1000 Ohm** (1000)	Software Point	1

1207	P2 Potentiometer Shift Minimum	Read/write (remanent*)	The setpoint shift in tenths of Kelvin when the potentiometer resistance equals 'P2 Potentiometer Minimum' Note: When the potentiometer is in the middle position, the resulting setpoint is always 'A2 Setpoint' Default: **-3 K** (-30)	Software Point	10
1208	P2 Potentiometer Shift Maximum	Read/write (remanent*)	The setpoint shift in tenths of Kelvin when the potentiometer resistance equals 'P2 Potentiometer Maximum' Note: When the potentiometer is in the middle position, the resulting setpoint is always 'A2 Setpoint' Default: **+3 K** (+30)	Software Point	10
1209	A2 Hysteresis Heating Mode	Read/write (remanent*)	Hysteresis in heating mode in tenths of Kelvin. Default: **0.5 K** (5)	Software Point	10
1210	A2 Hysteresis Cooling Mode	Read/write (remanent*)	Hysteresis in cooling mode in tenths of Kelvin. Default: **0.5 K** (5)	Software Point	10
1211	A2 Setpoint	Read/write (remanent*)	The setpoint of A2 in tenths of °C. Default: **21 °C** (210)	Software Point	10
1212	A2 Actuator Type	Read/write (remanent*)	**0: NC (Normally Closed)** 1: NO (Normally Open)	Software Point	1
Setting Group 3 // Eintellung Gruppe 3					
1300	A3 Active	Read/write (remanent*)	0: Inactive **1: Active** (Default) - Inactive actuators will have heating / cooling disabled (when in 'Local Mode') - Inactive actuators have no influence on the 'Summary Error' register and the error LED on the device	Software Point	1
1301	A3 Set External	Read/write	0: Triac Off = 0V 1: Triac On = 230V Only valid when in 'External Mode'	Software Point	1
1302	A3 Clear Errors	Read/write	0: No effect 1: Clear Mem Errors	Software Point	1
1303	T3 Configuration Sensor Type	Read/write (remanent*)	1: 10K3A1 NTC (-20 bis 60°C) 2: 10K4A1 NTC (-20 bis 60°C) 3: 10K NTC Carel (-20 bis 60°C) 4: 20K6A1 NTC (-20 bis 60°C) 5: 2,2K3A1 NTC B=3975K (-20 bis 60°C) 6: 3K3A1 NTC (-20 bis 60°C) 7: 30K6A1 NTC (-20 bis 60°C) 8: SIE1 (-20 bis 60°C) 9: TAC1 (-20 bis 60°C) 10: SAT1 (-20 bis 60°C) **16: Pt1000** (Default) (-20 bis 60°C) 17: Ni1000 (-20 bis 60°C) 19: Ni1000 TK5000 (-20 bis 60°C)	Software Point	1
1304	T3 Sensor Offset	Read/write (remanent*)	Sensor T3 offset in tenths of Kelvin Default: **0 K** (0)	Software Point	10
1305	P3 Potentiometer Minimum	Read/write (remanent*)	The minimum resistance of the potentiometer which directly affects the setpoint. Default: **0 Ohm** (0)	Software Point	10
1306	P3 Potentiometer Maximum	Read/write (remanent*)	The maximum resistance of the potentiometer which directly affects the setpoint. Default: **1000 Ohm** (1000)	Software Point	1
1307	P3 Potentiometer Shift Minimum	Read/write (remanent*)	The setpoint shift in tenths of Kelvin when the potentiometer resistance equals 'P3 Potentiometer Minimum' Note: When the potentiometer is in the middle position, the resulting setpoint is always 'A3 Setpoint' Default: **-3 K** (-30)	Software Point	10

1308	P3 Potentiometer Shift Maximum	Read/write (remanent*)	The setpoint shift in tenths of Kelvin when the potentiometer resistance equals 'P3 Potentiometer Maximum' Note: When the potentiometer is in the middle position, the resulting setpoint is always 'A3 Setpoint' Default: **+3 K** (+30)	Software Point	10
1309	A3 Hysteresis Heating Mode	Read/write (remanent*)	Hysteresis in heating mode in tenths of Kelvin. Default: **0.5 K** (5)	Software Point	10
1310	A3 Hysteresis Cooling Mode	Read/write (remanent*)	Hysteresis in cooling mode in tenths of Kelvin. Default: **0.5 K** (5)	Software Point	10
1311	A3 Setpoint	Read/write (remanent*)	The setpoint of A3 in tenths of °C. Default: **21 °C** (210)	Software Point	10
1312	A3 Actuator Type	Read/write (remanent*)	**0: NC (Normally Closed)** 1: NO (Normally Open)	Software Point	1
Setting Group 4 // Eintellung Gruppe 4					
1400	A4 Active	Read/write (remanent*)	0: Inactive **1: Active** (Default) - Inactive actuators will have heating / cooling disabled (when in 'Local Mode') - Inactive actuators have no influence on the 'Summary Error' register and the error LED on the device	Software Point	1
1401	A4 Set External	Read/write	0: Triac Off = 0V 1: Triac On = 230V Only valid when in 'External Mode'	Software Point	1
1402	A4 Clear Errors	Read/write	0: No effect 1: Clear Mem Errors	Software Point	1
1403	T4 Configuration Sensor Type	Read/write (remanent*)	1: 10K3A1 NTC (-20 bis 60°C) 2: 10K4A1 NTC (-20 bis 60°C) 3: 10K NTC Carel (-20 bis 60°C) 4: 20K6A1 NTC (-20 bis 60°C) 5: 2,2K3A1 NTC B=3975K (-20 bis 60°C) 6: 3K3A1 NTC (-20 bis 60°C) 7: 30K6A1 NTC (-20 bis 60°C) 8: SIE1 (-20 bis 60°C) 9: TAC1 (-20 bis 60°C) 10: SAT1 (-20 bis 60°C) **16: Pt1000** (Default) (-20 bis 60°C) 17: Ni1000 (-20 bis 60°C) 19: Ni1000 TK5000 (-20 bis 60°C)	Software Point	1
1404	T4 Sensor Offset	Read/write (remanent*)	Sensor T4 offset in tenths of Kelvin Default: **0 K** (0)	Software Point	10
1405	P4 Potentiometer Minimum	Read/write (remanent*)	The minimum resistance of the potentiometer which directly affects the setpoint. Default: **0 Ohm** (0)	Software Point	10
1406	P4 Potentiometer Maximum	Read/write (remanent*)	The maximum resistance of the potentiometer which directly affects the setpoint. Default: **1000 Ohm** (1000)	Software Point	1
1407	P4 Potentiometer Shift Minimum	Read/write (remanent*)	The setpoint shift in tenths of Kelvin when the potentiometer resistance equals 'P4 Potentiometer Minimum' Note: When the potentiometer is in the middle position, the resulting setpoint is always 'A4 Setpoint' Default: **-3 K** (-30)	Software Point	10
1408	P4 Potentiometer Shift Maximum	Read/write (remanent*)	The setpoint shift in tenths of Kelvin when the potentiometer resistance equals 'P4 Potentiometer Maximum' Note: When the potentiometer is in the middle position, the resulting setpoint is always 'A4 Setpoint' Default: **+3 K** (+30)	Software Point	10
1409	A4 Hysteresis Heating Mode	Read/write (remanent*)	Hysteresis in heating mode in tenths of Kelvin. Default: **0.5 K** (5)	Software Point	10

1410	A4 Hysteresis Cooling Mode	Read/write (remanent*)	Hysteresis in cooling mode in tenths of Kelvin. Default: **0.5 K** (5)	Software Point	10
1411	A4 Setpoint	Read/write (remanent*)	The setpoint of A4 in tenths of °C. Default: **21 °C** (210)	Software Point	10
1412	A4 Actuator Type	Read/write (remanent*)	**0: NC (Normally Closed)** 1: NO (Normally Open)	Software Point	1
Setting Group 5 // Eintellung Gruppe 5					
1500	A5 Active	Read/write (remanent*)	0: Inactive **1: Active** (Default) - Inactive actuators will have heating / cooling disabled (when in 'Local Mode') - Inactive actuators have no influence on the 'Summary Error' register and the error LED on the device	Software Point	1
1501	A5 Set External	Read/write	0: Triac Off = 0V 1: Triac On = 230V Only valid when in 'External Mode'	Software Point	1
1502	A5 Clear Errors	Read/write	0: No effect 1: Clear Mem Errors	Software Point	1
1503	T5 Configuration Sensor Type	Read/write (remanent*)	1: 10K3A1 NTC (-20 bis 60°C) 2: 10K4A1 NTC (-20 bis 60°C) 3: 10K NTC Carel (-20 bis 60°C) 4: 20K6A1 NTC (-20 bis 60°C) 5: 2,2K3A1 NTC B=3975K (-20 bis 60°C) 6: 3K3A1 NTC (-20 bis 60°C) 7: 30K6A1 NTC (-20 bis 60°C) 8: SIE1 (-20 bis 60°C) 9: TAC1 (-20 bis 60°C) 10: SAT1 (-20 bis 60°C) **16: Pt1000** (Default) (-20 bis 60°C) 17: Ni1000 (-20 bis 60°C) 19: Ni1000 TK5000 (-20 bis 60°C)	Software Point	1
1504	T5 Sensor Offset	Read/write (remanent*)	Sensor T5 offset in tenths of Kelvin Default: **0 K** (0)	Software Point	10
1505	P5 Potentiometer Minimum	Read/write (remanent*)	The minimum resistance of the potentiometer which directly affects the setpoint. Default: **0 Ohm** (0)	Software Point	10
1506	P5 Potentiometer Maximum	Read/write (remanent*)	The maximum resistance of the potentiometer which directly affects the setpoint. Default: **1000 Ohm** (1000)	Software Point	1
1507	P5 Potentiometer Shift Minimum	Read/write (remanent*)	The setpoint shift in tenths of Kelvin when the potentiometer resistance equals 'P5 Potentiometer Minimum' Note: When the potentiometer is in the middle position, the resulting setpoint is always 'A5 Setpoint' Default: **-3 K** (-30)	Software Point	10
1508	P5 Potentiometer Shift Maximum	Read/write (remanent*)	The setpoint shift in tenths of Kelvin when the potentiometer resistance equals 'P5 Potentiometer Maximum' Note: When the potentiometer is in the middle position, the resulting setpoint is always 'A5 Setpoint' Default: **+3 K** (+30)	Software Point	10
1509	A5 Hysteresis Heating Mode	Read/write (remanent*)	Hysteresis in heating mode in tenths of Kelvin. Default: **0.5 K** (5)	Software Point	10
1510	A5 Hysteresis Cooling Mode	Read/write (remanent*)	Hysteresis in cooling mode in tenths of Kelvin. Default: **0.5 K** (5)	Software Point	10
1511	A5 Setpoint	Read/write (remanent*)	The setpoint of A5 in tenths of °C. Default: **21 °C** (210)	Software Point	10
1512	A5 Actuator Type	Read/write (remanent*)	**0: NC (Normally Closed)** 1: NO (Normally Open)	Software Point	1
Setting Group 6 // Eintellung Gruppe 6					

1600	A6 Active	Read/write (remanent*)	0: Inactive **1: Active** (Default) - Inactive actuators will have heating / cooling disabled (when in 'Local Mode') - Inactive actuators have no influence on the 'Summary Error' register and the error LED on the device	Software Point	1
1601	A6 Set External	Read/write	0: Triac Off = 0V 1: Triac On = 230V Only valid when in 'External Mode'	Software Point	1
1602	A6 Clear Errors	Read/write	0: No effect 1: Clear Mem Errors	Software Point	1
1603	T6 Configuration Sensor Type	Read/write (remanent*)	1: 10K3A1 NTC (-20 bis 60°C) 2: 10K4A1 NTC (-20 bis 60°C) 3: 10K NTC Carel (-20 bis 60°C) 4: 20K6A1 NTC (-20 bis 60°C) 5: 2,2K3A1 NTC B=3975K (-20 bis 60°C) 6: 3K3A1 NTC (-20 bis 60°C) 7: 30K6A1 NTC (-20 bis 60°C) 8: SIE1 (-20 bis 60°C) 9: TAC1 (-20 bis 60°C) 10: SAT1 (-20 bis 60°C) **16: Pt1000** (Default) (-20 bis 60°C) 17: Ni1000 (-20 bis 60°C) 19: Ni1000 TK5000 (-20 bis 60°C)	Software Point	1
1604	T6 Sensor Offset	Read/write (remanent*)	Sensor T6 offset in tenths of Kelvin Default: **0 K** (0)	Software Point	10
1605	P6 Potentiometer Minimum	Read/write (remanent*)	The minimum resistance of the potentiometer which directly affects the setpoint. Default: **0 Ohm** (0)	Software Point	10
1606	P6 Potentiometer Maximum	Read/write (remanent*)	The maximum resistance of the potentiometer which directly affects the setpoint. Default: **1000 Ohm** (1000)	Software Point	1
1607	P6 Potentiometer Shift Minimum	Read/write (remanent*)	The setpoint shift in tenths of Kelvin when the potentiometer resistance equals 'P6 Potentiometer Minimum' Note: When the potentiometer is in the middle position, the resulting setpoint is always 'A6 Setpoint' Default: **-3 K** (-30)	Software Point	10
1608	P6 Potentiometer Shift Maximum	Read/write (remanent*)	The setpoint shift in tenths of Kelvin when the potentiometer resistance equals 'P6 Potentiometer Maximum' Note: When the potentiometer is in the middle position, the resulting setpoint is always 'A6 Setpoint' Default: **+3 K** (+30)	Software Point	10
1609	A6 Hysteresis Heating Mode	Read/write (remanent*)	Hysteresis in heating mode in tenths of Kelvin. Default: **0.5 K** (5)	Software Point	10
1610	A6 Hysteresis Cooling Mode	Read/write (remanent*)	Hysteresis in cooling mode in tenths of Kelvin. Default: **0.5 K** (5)	Software Point	10
1611	A6 Setpoint	Read/write (remanent*)	The setpoint of A6 in tenths of °C. Default: **21 °C** (210)	Software Point	10
1612	A6 Actuator Type	Read/write (remanent*)	**0: NC (Normally Closed)** 1: NO (Normally Open)	Software Point	1
Setting Group 7 // Eintellung Gruppe 7					
1700	A7 Active	Read/write (remanent*)	0: Inactive **1: Active** (Default) - Inactive actuators will have heating / cooling disabled (when in 'Local Mode') - Inactive actuators have no influence on the 'Summary Error' register and the error LED on the device	Software Point	1
1701	A7 Set External	Read/write	0: Triac Off = 0V 1: Triac On = 230V Only valid when in 'External Mode'	Software Point	1
1702	A7 Clear Errors	Read/write	0: No effect 1: Clear Mem Errors	Software Point	1

1703	T7 Configuration Sensor Type	Read/write (remanent*)	1: 10K3A1 NTC (-20 bis 60°C) 2: 10K4A1 NTC (-20 bis 60°C) 3: 10K NTC Carel (-20 bis 60°C) 4: 20K6A1 NTC (-20 bis 60°C) 5: 2,2K3A1 NTC B=3975K (-20 bis 60°C) 6: 3K3A1 NTC (-20 bis 60°C) 7: 30K6A1 NTC (-20 bis 60°C) 8: SIE1 (-20 bis 60°C) 9: TAC1 (-20 bis 60°C) 10: SAT1 (-20 bis 60°C) **16: Pt1000** (Default) (-20 bis 60°C) 17: Ni1000 (-20 bis 60°C) 19: Ni1000 TK5000 (-20 bis 60°C)	Software Point	1
1704	T7 Sensor Offset	Read/write (remanent*)	Sensor T7 offset in tenths of Kelvin Default: **0 K** (0)	Software Point	10
1705	P7 Potentiometer Minimum	Read/write (remanent*)	The minimum resistance of the potentiometer which directly affects the setpoint. Default: **0 Ohm** (0)	Software Point	10
1706	P7 Potentiometer Maximum	Read/write (remanent*)	The maximum resistance of the potentiometer which directly affects the setpoint. Default: **1000 Ohm** (1000)	Software Point	1
1707	P7 Potentiometer Shift Minimum	Read/write (remanent*)	The setpoint shift in tenths of Kelvin when the potentiometer resistance equals 'P7 Potentiometer Minimum' Note: When the potentiometer is in the middle position, the resulting setpoint is always 'A7 Setpoint' Default: **-3 K** (-30)	Software Point	10
1708	P7 Potentiometer Shift Maximum	Read/write (remanent*)	The setpoint shift in tenths of Kelvin when the potentiometer resistance equals 'P7 Potentiometer Maximum' Note: When the potentiometer is in the middle position, the resulting setpoint is always 'A7 Setpoint' Default: **+3 K** (+30)	Software Point	10
1709	A7 Hysteresis Heating Mode	Read/write (remanent*)	Hysteresis in heating mode in tenths of Kelvin. Default: **0.5 K** (5)	Software Point	10
1710	A7 Hysteresis Cooling Mode	Read/write (remanent*)	Hysteresis in cooling mode in tenths of Kelvin. Default: **0.5 K** (5)	Software Point	10
1711	A7 Setpoint	Read/write (remanent*)	The setpoint of A7 in tenths of °C. Default: **21 °C** (210)	Software Point	10
1712	A7 Actuator Type	Read/write (remanent*)	**0: NC (Normally Closed)** 1: NO (Normally Open)	Software Point	1
Setting Group 8 // Eintellung Gruppe 8					
1800	A8 Active	Read/write (remanent*)	0: Inactive **1: Active** (Default) - Inactive actuators will have heating / cooling disabled (when in 'Local Mode') - Inactive actuators have no influence on the 'Summary Error' register and the error LED on the device	Software Point	1
1801	A8 Set External	Read/write	0: Triac Off = 0V 1: Triac On = 230V Only valid when in 'External Mode'	Software Point	1
1802	A8 Clear Errors	Read/write	0: No effect 1: Clear Mem Errors	Software Point	1
1803	T8 Configuration Sensor Type	Read/write (remanent*)	1: 10K3A1 NTC (-20 bis 60°C) 2: 10K4A1 NTC (-20 bis 60°C) 3: 10K NTC Carel (-20 bis 60°C) 4: 20K6A1 NTC (-20 bis 60°C) 5: 2,2K3A1 NTC B=3975K (-20 bis 60°C) 6: 3K3A1 NTC (-20 bis 60°C) 7: 30K6A1 NTC (-20 bis 60°C) 8: SIE1 (-20 bis 60°C) 9: TAC1 (-20 bis 60°C) 10: SAT1 (-20 bis 60°C) **16: Pt1000** (Default) (-20 bis 60°C) 17: Ni1000 (-20 bis 60°C) 19: Ni1000 TK5000 (-20 bis 60°C)	Software Point	1

1804	T8 Sensor Offset	Read/write (remanent*)	Sensor T8 offset in tenths of Kelvin Default: **0 K** (0)	Software Point	10
1805	P8 Potentiometer Minimum	Read/write (remanent*)	The minimum resistance of the potentiometer which directly affects the setpoint. Default: **0 Ohm** (0)	Software Point	10
1806	P8 Potentiometer Maximum	Read/write (remanent*)	The maximum resistance of the potentiometer which directly affects the setpoint. Default: **1000 Ohm** (1000)	Software Point	1
1807	P8 Potentiometer Shift Minimum	Read/write (remanent*)	The setpoint shift in tenths of Kelvin when the potentiometer resistance equals 'P8 Potentiometer Minimum' Note: When the potentiometer is in the middle position, the resulting setpoint is always 'A8 Setpoint' Default: **-3 K** (-30)	Software Point	10
1808	P8 Potentiometer Shift Maximum	Read/write (remanent*)	The setpoint shift in tenths of Kelvin when the potentiometer resistance equals 'P8 Potentiometer Maximum' Note: When the potentiometer is in the middle position, the resulting setpoint is always 'A8 Setpoint' Default: **+3 K** (+30)	Software Point	10
1809	A8 Hysteresis Heating Mode	Read/write (remanent*)	Hysteresis in heating mode in tenths of Kelvin. Default: **0.5 K** (5)	Software Point	10
1810	A8 Hysteresis Cooling Mode	Read/write (remanent*)	Hysteresis in cooling mode in tenths of Kelvin. Default: **0.5 K** (5)	Software Point	10
1811	A8 Setpoint	Read/write (remanent*)	The setpoint of A8 in tenths of °C. Default: **21 °C** (210)	Software Point	10
1812	A8 Actuator Type	Read/write (remanent*)	**0: NC (Normally Closed)** 1: NO (Normally Open)	Software Point	1

Value is written into EEPROM (max 1 million erase / write cycles)
Must not be written periodically!