

MODBUS REGISTER MAP

ADDRESS	ADDRESS (HEX)	REGISTER	R/W	RANGE	UNIT	MULTIPLIER	FORMAT
0	0000	L1 PHASE VOLTAGE	R	(0-3000)V _{LT}	Volt	0.1	unsigned int
2	0002	L2 PHASE VOLTAGE	R	(0-3000)V _{LT}	Volt	0.1	unsigned int
4	0004	L3 PHASE VOLTAGE	R	(0-3000)V _{LT}	Volt	0.1	unsigned int
6	0006	L1 PHASE CURRENT	R	(0-6000)A _{CT}	Ampere	0.001	unsigned int
8	0008	L2 PHASE CURRENT	R	(0-6000)A _{CT}	Ampere	0.001	unsigned int
10	000A	L3 PHASE CURRENT	R	(0-6000)A _{CT}	Ampere	0.001	unsigned int
12	000C	NEUTRAL CURRENT	R	(0-6000)A _{CT}	Ampere	0.001	unsigned int
14	000E	L1-L2 PHASE VOLTAGE	R	(0-5000)V _{LT}	Volt	0.1	unsigned int
16	0010	L2-L3 PHASE VOLTAGE	R	(0-5000)V _{LT}	Volt	0.1	unsigned int
18	0012	L3-L1 PHASE VOLTAGE	R	(0-5000)V _{LT}	Volt	0.1	unsigned int
20	0014	L1 PHASE ACTIVE POWER	R	(-18000 - 18000)W _{ACT}	Watt	0.1	int
22	0016	L2 PHASE ACTIVE POWER	R	(-18000 - 18000)W _{ACT}	Watt	0.1	int
24	0018	L3 PHASE ACTIVE POWER	R	(-18000 - 18000)W _{ACT}	Watt	0.1	int
26	001A	L1 PHASE REACTIVE POWER	R	(-18000 - 18000)kVAr _{ACT}	Var	0.1	int
28	001C	L2 PHASE REACTIVE POWER	R	(-18000 - 18000)kVAr _{ACT}	Var	0.1	int
30	001E	L3 PHASE REACTIVE POWER	R	(-18000 - 18000)kVAr _{ACT}	Var	0.1	int
32	0020	L1 PHASE APPARENT POWER	R	(-18000 - 18000)kVA _{ACT}	VA	0.1	int
34	0022	L2 PHASE APPARENT POWER	R	(-18000 - 18000)kVA _{ACT}	VA	0.1	unsigned int
36	0024	L3 PHASE APPARENT POWER	R	(-18000 - 18000)kVA _{ACT}	VA	0.1	unsigned int
38	0026	L1 PHASE COSφ	R	(-1000 - 1000)	-	0.001	int
40	0028	L2 PHASE COSφ	R	(-1000 - 1000)	-	0.001	int
42	002A	L3 PHASE COSφ	R	(-1000 - 1000)	-	0.001	int
44	002C	TOTAL IMPORT ACTIVE POWER	R	(-54000)W _{ACT}	Watt	0.1	int
46	002E	TOTAL EXPORT ACTIVE POWER	R	(-54000)W _{ACT}	Watt	0.1	int
48	0030	TOTAL INDUCTIVE REACTIVE POWER	R	(-54000)kVAr _{ACT}	Var	0.1	int
50	0032	TOTAL CAPACITIVE REACTIVE POWER	R	(-54000)kVAr _{ACT}	Var	0.1	int
52	0034	TOTAL APPARENT POWER	R	(-54000)kVA _{ACT}	VA	0.1	unsigned int
54	0036	AVERAGE INDUCTIVE COSφ	R	(-1000 - 1000)	-	0.001	int
56	0038	AVERAGE CAPACITIVE COSφ	R	(-1000 - 1000)	-	0.001	int
58	003A	FREQUENCY	R	(4000 - 7000)	Hz	0.01	unsigned int
60	003C	L1 PHASE VOLTAGE ANGLE	R	0-360	Degree	0.1	unsigned int
62	003E	L2 PHASE VOLTAGE ANGLE	R	0-360	Degree	0.1	unsigned int
64	0040	L3 PHASE VOLTAGE ANGLE	R	0-360	Degree	0.1	unsigned int
66	0042	L1 PHASE CURRENT ANGLE	R	0-360	Degree	0.1	unsigned int
68	0044	L2 PHASE CURRENT ANGLE	R	0-360	Degree	0.1	unsigned int
70	0046	L3 PHASE CURRENT ANGLE	R	0-360	Degree	0.1	unsigned int
72	0048	L1 PHASE VOLTAGE THD	R	0-999	%	0.1	unsigned int
74	004A	L2 PHASE VOLTAGE THD	R	0-999	%	0.1	unsigned int
76	004C	L3 PHASE VOLTAGE THD	R	0-999	%	0.1	unsigned int
78	004E	L1 PHASE CURRENT THD	R	0-999	%	0.1	unsigned int
80	0050	L2 PHASE CURRENT THD	R	0-999	%	0.1	unsigned int
82	0052	L3 PHASE CURRENT THD	R	0-999	%	0.1	unsigned int
84	0054	DIGITAL OUTPUT STATUS	R	-	-	-	unsigned int
86	0056	DIGITAL INPUT STATUS	R	-	-	-	unsigned int
88	0058	IMPORT ACTIVE ENERGY-1	R/W	0-FFFFFFFFFFFF	Wh	1	long int
90	005A	EXPORT ACTIVE ENERGY-1	R/W	0-FFFFFFFFFFFF	Wh	1	long int
92	005C	IMPORT ACTIVE ENERGY-1	R/W	0-FFFFFFFFFFFF	Wh	1	long int
94	005E	EXPORT ACTIVE ENERGY-1	R/W	0-FFFFFFFFFFFF	Wh	1	long int
96	0060	INDUCTIVE REACTIVE ENERGY-1	R/W	0-FFFFFFFFFFFF	VArh	1	long int
98	0062	CAPACITIVE REACTIVE ENERGY-1	R/W	0-FFFFFFFFFFFF	VArh	1	long int
100	0064	IMPORT ACTIVE ENERGY-2	R/W	0-FFFFFFFFFFFF	Wh	1	long int
102	0066	EXPORT ACTIVE ENERGY-2	R/W	0-FFFFFFFFFFFF	Wh	1	long int
104	0068	INDUCTIVE REACTIVE ENERGY-2	R/W	0-FFFFFFFFFFFF	Wh	1	long int
106	006A	CAPACITIVE REACTIVE ENERGY-2	R/W	0-FFFFFFFFFFFF	Wh	1	long int
108	006C	EXPORT ACTIVE ENERGY-2	R/W	0-FFFFFFFFFFFF	Wh	1	long int
110	006E	INDUCTIVE REACTIVE ENERGY-2	R/W	0-FFFFFFFFFFFF	Wh	1	long int
112	0070	CAPACITIVE REACTIVE ENERGY-2	R/W	0-FFFFFFFFFFFF	Wh	1	long int
114	0072	L1 PHASE MIN. VOLTAGE	R/W	(0-3000)V _{LT}	Volt	0.1	unsigned int
116	0074	L2 PHASE MIN. VOLTAGE	R/W	(0-3000)V _{LT}	Volt	0.1	unsigned int
118	0076	L3 PHASE MIN. VOLTAGE	R/W	(0-3000)V _{LT}	Volt	0.1	unsigned int
120	0078	L1-L2 PHASE MIN. VOLTAGE	R/W	(0-3000)V _{LT}	Volt	0.1	unsigned int
122	007A	L2-L3 PHASE MIN. VOLTAGE	R/W	(0-3000)V _{LT}	Volt	0.1	unsigned int
124	007C	L3-L1 PHASE MIN. VOLTAGE	R/W	(0-3000)V _{LT}	Volt	0.1	unsigned int
126	007E	L1 PHASE MIN. CURRENT	R/W	(0-6000)A _{CT}	Ampere	0.001	unsigned int
128	0080	L2 PHASE MIN. CURRENT	R/W	(0-6000)A _{CT}	Ampere	0.001	unsigned int
130	0082	L3 PHASE MIN. CURRENT	R/W	(0-6000)A _{CT}	Ampere	0.001	unsigned int
132	0084	L1 PHASE MIN. ACTIVE POWER	R/W	(-18000 - 18000)W _{ACT}	Watt	0.1	int
134	0086	L2 PHASE MIN. ACTIVE POWER	R/W	(-18000 - 18000)W _{ACT}	Watt	0.1	int
136	0088	L3 PHASE MIN. ACTIVE POWER	R/W	(-18000 - 18000)W _{ACT}	Watt	0.1	int
138	008A	L1 PHASE MIN. REACTIVE POWER	R/W	(-18000 - 18000)kVAr _{ACT}	Var	0.1	int
140	008C	L2 PHASE MIN. REACTIVE POWER	R/W	(-18000 - 18000)kVAr _{ACT}	Var	0.1	int
142	008E	L3 PHASE MIN. REACTIVE POWER	R/W	(-18000 - 18000)kVAr _{ACT}	Var	0.1	int
144	0090	L1 PHASE MIN. APPARENT POWER	R/W	(-18000 - 18000)kVA _{ACT}	VA	0.1	int
146	0092	L2 PHASE MIN. APPARENT POWER	R/W	(-18000 - 18000)kVA _{ACT}	VA	0.1	int
148	0094	L3 PHASE MIN. APPARENT POWER	R/W	(-18000 - 18000)kVA _{ACT}	VA	0.1	int
150	0096	L1 PHASE MIN. APPARENT POWER	R/W	(-18000 - 18000)kVA _{ACT}	VA	0.1	int
152	0098	L2 PHASE MIN. APPARENT POWER	R/W	(-18000 - 18000)kVA _{ACT}	VA	0.1	int
154	009A	L3 PHASE MIN. APPARENT POWER	R/W	(-18000 - 18000)kVA _{ACT}	VA	0.1	int
156	009C	TOTAL MIN. IMPORT ACTIVE POWER	R/W	(-18000 - 18000)W _{ACT}	Watt	0.1	int
158	009E	TOTAL MIN. EXPORT ACTIVE POWER	R/W	(-18000 - 18000)W _{ACT}	Watt	0.1	int
160	00A0	TOTAL MIN. IMPORT REACTIVE POWER	R/W	(-18000 - 18000)kVAr _{ACT}	Var	0.1	int
162	00A2	TOTAL MIN. EXPORT REACTIVE POWER	R/W	(-18000 - 18000)kVAr _{ACT}	Var	0.1	int
164	00A4	TOTAL MIN. APPARENT POWER	R/W	(-18000 - 18000)kVA _{ACT}	VA	0.1	int
166	00A6	L1 PHASE MAX. VOLTAGE	R/W	(0-3000)V _{LT}	Volt	0.1	unsigned int
168	00A8	L2 PHASE MAX. VOLTAGE	R/W	(0-3000)V _{LT}	Volt	0.1	unsigned int
170	00AA	L3 PHASE MAX. VOLTAGE	R/W	(0-3000)V _{LT}	Volt	0.1	unsigned int
172	00AC	L1-L2 PHASE MAX. VOLTAGE	R/W	(0-5000)V _{LT}	Volt	0.1	unsigned int
		L2-L3 PHASE MAX. VOLTAGE	R/W	(0-5000)V _{LT}	Volt	0.1	unsigned int
		L3-L1 PHASE MAX. VOLTAGE	R/W	(0-5000)V _{LT}	Volt	0.1	unsigned int

MODBUS REGISTER MAP

ADDRESS	ADDRESS (HEX)	REGISTER	R/W	RANGE	UNIT	MULTIPLIER	FORMAT
174	00AE	L3-L1 PHASE-PHASE MAX. VOLTAGE	R/W	(0-5000)V _{LT}	Volt	0.1	unsigned int
176	00B0	L2 PHASE MAX. CURRENT	R/W	(0-6000)A _{CT}	Ampere	0.001	unsigned int
178	00B2	L1 PHASE MAX. CURRENT	R/W	(0-6000)A _{CT}	Ampere	0.001	unsigned int
180	00B4	L3 PHASE MAX. CURRENT	R/W	(0-6000)A _{CT}	Ampere	0.001	unsigned int
182	00B6	L1 PHASE MAX. ACTIVE POWER	R/W	(-18000 - 18000)W _{ACT}	Watt	0.1	int
184	00B8	L2 PHASE MAX. ACTIVE POWER	R/W	(-18000 - 18000)W _{ACT}	Watt	0.1	int
186	00BA	L3 PHASE MAX. ACTIVE POWER	R/W	(-18000 - 18000)W _{ACT}	Watt	0.1	int
188	00BC	L1 PHASE MAX. REACTIVE POWER	R/W	(-18000 - 18000)kVAr _{ACT}	Var	0.1	int
190	00BE	L2 PHASE MAX. REACTIVE POWER	R/W	(-18000 - 18000)kVAr _{ACT}	Var	0.1	int
192	00C0	L3 PHASE MAX. REACTIVE POWER	R/W	(-18000 - 18000)kVAr _{ACT}	Var	0.1	int
194	00C2	L1 PHASE MAX. APPARENT POWER	R/W	(-18000 - 18000)kVA _{ACT}	VA	0.1	int
196	00C4	L2 PHASE MAX. APPARENT POWER	R/W	(-18000 - 18000)kVA _{ACT}	VA	0.1	int
198	00C6	L3 PHASE MAX. APPARENT POWER	R/W	(-18000 - 18000)kVA _{ACT}	VA	0.1	int
200	00C8	TOTAL MAX. IMPORT ACTIVE POWER	R/W	(-18000 - 18000)W _{ACT}	Watt	0.1	int
202	00CA	TOTAL MAX. EXPORT ACTIVE POWER	R/W	(-18000 - 18000)W _{ACT}	Watt	0.1	int
204	00CC	TOTAL MAX. IMPORT REACTIVE POWER	R/W	(-18000 - 18000)kVAr _{ACT}	Var	0.1	int
206	00CE	TOTAL MAX. EXPORT REACTIVE POWER	R/W	(-18000 - 18000)kVAr _{ACT}	Var	0.1	int
208	00D0	TOTAL MAX. APPARENT POWER	R/W	(-18000 - 18000)kVA _{ACT}	VA	0.1	int
210	00D2	L1 PHASE MAX. CURRENT DEMAND	R/W	(0-6000)A _{CT}	Ampere	0.001	unsigned int
212	00D4	L2 PHASE MAX. CURRENT DEMAND	R/W	(0-6000)A _{CT}	Ampere	0.001	unsigned int
214	00D6	L3 PHASE MAX. CURRENT DEMAND	R/W	(0-6000)A _{CT}	Ampere	0.001	unsigned int
216	00D8	L1 PHASE IMPORT MAX. DEMAND ACTIVE POWER	R/W	(-18000 - 18000)W _{ACT}	Watt	0.1	int
218	00DA	L2 PHASE IMPORT MAX. DEMAND ACTIVE POWER	R/W	(-18000 - 18000)W _{ACT}	Watt	0.1	int
220	00DC	L3 PHASE IMPORT MAX. DEMAND ACTIVE POWER	R/W	(-18000 - 18000)W _{ACT}	Watt	0.1	int
222	00DE	L1 PHASE EXPORT MAX. DEMAND ACTIVE POWER	R/W	(-18000 - 18000)W _{ACT}	Watt	0.1	int
224	00E0	L2 PHASE EXPORT MAX. DEMAND ACTIVE POWER	R/W	(-18000 - 18000)W _{ACT}	Watt	0.1	int
226	00E2	L3 PHASE EXPORT MAX. DEMAND ACTIVE POWER	R/W	(-18000 - 18000)W _{ACT}	Watt	0.1	int
228	00E4	L1 PHASE IMPORT MAX. DEMAND REACTIVE POWER	R/W	(-18000 - 18000)kVAr _{ACT}	Var	0.1	int
230	00E6	L2 PHASE IMPORT MAX. DEMAND REACTIVE POWER	R/W	(-18000 - 18000)kVAr _{ACT}	Var	0.1	int
232	00E8	L3 PHASE IMPORT MAX. DEMAND REACTIVE POWER	R/W	(-18000 - 18000)kVAr _{ACT}	Var	0.1	int
234	00EA	L1 PHASE EXPORT MAX. DEMAND REACTIVE POWER	R/W	(-18000 - 18000)kVAr _{ACT}	Var	0.1	int
236	00EC	L2 PHASE EXPORT MAX. DEMAND REACTIVE POWER	R/W	(-18000 - 18000)kVAr _{ACT}	Var	0.1	int
238	00EE	L3 PHASE EXPORT MAX. DEMAND REACTIVE POWER	R/W	(-18000 - 18000)kVAr _{ACT}	Var	0.1	int
240	00F0	L1 PHASE MAX. DEMAND APPARENT POWER	R/W	(-18000 - 18000)kVA _{ACT}	VA	0.1	int
242	00F2	L2 PHASE MAX. DEMAND APPARENT POWER	R/W	(-18000 - 18000)kVA _{ACT}	VA	0.1	int
244	00F4	L3 PHASE MAX. DEMAND APPARENT POWER	R/W	(-18000 - 18000)kVA _{ACT}	VA	0.1	int
246	00F6	TOTAL IMPORT MAX. DEMAND ACTIVE POWER	R/W	(-18000 - 18000)W _{ACT}	Watt	0.1	int
248	00F8	TOTAL EXPORT MAX. DEMAND ACTIVE POWER	R/W	(-18000 - 18000)W _{ACT}	Watt	0.1	int
250	00FA	TOTAL IMPORT MAX. DEMAND REACTIVE POWER	R/W	(-18000 - 18000)kVAr _{ACT}	Var	0.1	int
252	00FC	TOTAL EXPORT MAX. DEMAND REACTIVE POWER	R/W	(-18000 - 18000)kVAr _{ACT}	Var	0.1	int
254	00FE	TOTAL MAX. DEMAND APPARENT POWER	R/W	(-18000 - 18000)kVA _{ACT}	VA	0.1	int
256	0100	C1 (PULSE WETHER 1) COUNTER	R/W	-	-	-	HEX
258	0102	C2 (PULSE WETHER 2) COUNTER	R/W	-	-	-	HEX
260	0104	RUN HOUR COUNTER	R/W	-	-	-	HEX
262	0106	SETPOINT HOUR COUNTER	R/W	-	-	-	HEX
264	0108	TOTAL HOUR COUNTER	R	-	-	-	HEX

ADDRESS ADDRESS (HEX) REGISTER R/W RANGE UNIT MULTIPLIER FORMAT

PARAMETER SETTING 0-5: 0: 1 Watt / Pulse
 1: 10 Watt / Pulse
 2: 100 Watt / Pulse
 3: 1 kW / Pulse
 4: 10 kW / Pulse
 5: Reverse Export
 6: 1 MW / Pulse

PARAMETER SETTING 0-1: CANCEL THE LATCH FUNCTION BY BUTTON

PARAMETER SETTING 0-2: CANCEL THE LATCH FUNCTION BY DIGITAL INPUT

PARAMETER SETTING 0-3: CANCEL THE LATCH FUNCTION ACCORDING TO PROGRAMMED TIME

PARAMETER SETTING 0-4: SETPOINT TIME SET VALUE

PARAMETER SETTING 0-5: SETPOINT TIME ACTIVE / PASSIVE AND WARNING OUTPUT SELECTION

PARAMETER SETTING 0-6: ENERGY COUNTER 1 SELECTION 0-3:
 0: On-EC: Energy counter will count on all conditions
 1: EC will count when Digital input 1 is 1 (1-active)
 2: EC will count when Digital input 2 is 1 (1-active)
 3: Inverse Energy Counter 2 (it will count when EC2 is not counted)

PARAMETER SETTING 0-7: CONNECTION SELECTION 0-1:
 0: Star
 1: Delta

PARAMETER SETTING 0-8: PASSWORO ENABLE 0-1:
 0: Disable
 1: Enable

PARAMETER SETTING 0-9: CANCEL THE LATCH FUNCTION BY BUTTON

PARAMETER SETTING 0-10: CANCEL THE LATCH FUNCTION BY DIGITAL INPUT

PARAMETER SETTING 0-11: CANCEL THE LATCH FUNCTION ACCORDING TO PROGRAMMED TIME

PARAMETER SETTING 0-12: SETPOINT TIME SET VALUE

PARAMETER SETTING 0-13: SETPOINT TIME ACTIVE / PASSIVE AND WARNING OUTPUT SELECTION

PARAMETER SETTING 0-14: ENERGY COUNTER 2 SELECTION 0-3:
 0: On-EC: Energy counter will count on all conditions
 1: EC will count when Digital input 1 is 1 (1-active)
 2: EC will count when Digital input 2 is 1 (1-active)
 3: Inverse Energy Counter 2 (it will count when EC2 is not counted)

PARAMETER SETTING 0-15: CONNECTION SELECTION 0-1:
 0: Star
 1: Delta

PARAMETER SETTING 0-16: PASSWORO ENABLE 0-1:
 0: Disable
 1: Enable

PARAMETER SETTING 0-17: CANCEL THE LATCH FUNCTION BY BUTTON

PARAMETER SETTING 0-18: CANCEL THE LATCH FUNCTION BY DIGITAL INPUT

PARAMETER SETTING 0-19: CANCEL THE LATCH FUNCTION ACCORDING TO PROGRAMMED TIME

PARAMETER SETTING 0-20: SETPOINT TIME SET VALUE

PARAMETER SETTING 0-21: SETPOINT TIME ACTIVE / PASSIVE AND WARNING OUTPUT SELECTION

PARAMETER SETTING 0-22: ENERGY COUNTER 3 SELECTION 0-3:
 0: On-EC: Energy counter will count on all conditions
 1: EC will count when Digital input 1 is 1 (1-active)
 2: EC will count when Digital input 2 is 1 (1-active)
 3: Inverse Energy Counter 3 (it will count when EC3 is not counted)

PARAMETER SETTING 0-23: CONNECTION SELECTION 0-1:
 0: Star
 1: Delta

PARAMETER SETTING 0-24: PASSWORO ENABLE 0-1:
 0: Disable
 1: Enable

PARAMETER SETTING

MODBUS REGISTER MAP

ADDRESS	ADDRESS (HEX)	REGISTER	R/W	RANGE	UNIT	MULTIPLIER	FORMAT
33280	8200	1st SETPOINT ACTIVATION	RAW	0 x AA BB *	-	1	HEX.
33281	8201	1st SETPOINT PARAMETER TYPE	RAW	0 - 75	-	1	unsigned int
33282	8202	1st SETPOINT HIGH SET VALUE	RAW	**	-	1	unsigned int
33283	8203	1st SETPOINT LOW SET VALUE	RAW	**	-	1	unsigned int
33284	8204	1st SETPOINT HYSTERESIS VALUE	RAW	***	-	1	unsigned int
33285	8205	1st SETPOINT FAULT DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33286	8206	1st SETPOINT RECOVERY DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33287	8207	1st SETPOINT OUTPUT # (NUMBER)	RAW	0 - 7	-	1	unsigned int
33288	8208	2nd SETPOINT ACTIVATION	RAW	0 x AA BB *	-	1	HEX.
33289	8209	2nd SETPOINT PARAMETER TYPE	RAW	0 - 75	-	1	unsigned int
33290	820A	2nd SETPOINT HIGH SET VALUE	RAW	**	-	1	unsigned int
33291	820B	2nd SETPOINT LOW SET VALUE	RAW	**	-	1	unsigned int
33292	820C	2nd SETPOINT HYSTERESIS VALUE	RAW	***	-	1	HEX.
33293	820D	2nd SETPOINT FAULT DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33294	820E	2nd SETPOINT RECOVERY DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33295	820F	2nd SETPOINT OUTPUT # (NUMBER)	RAW	0 - 7	-	1	unsigned int
33296	8210	3rd SETPOINT ACTIVATION	RAW	0 x AA BB *	-	1	HEX.
33297	8211	3rd SETPOINT PARAMETER TYPE	RAW	0 - 75	-	1	unsigned int
33298	8212	3rd SETPOINT HIGH SET VALUE	RAW	**	-	1	unsigned int
33299	8213	3rd SETPOINT LOW SET VALUE	RAW	**	-	1	unsigned int
33300	8214	3rd SETPOINT HYSTERESIS VALUE	RAW	***	-	1	HEX.
33301	8215	3rd SETPOINT FAULT DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33302	8216	3rd SETPOINT RECOVERY DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33303	8217	3rd SETPOINT OUTPUT # (NUMBER)	RAW	0 - 7	-	1	unsigned int
33304	8218	4th SETPOINT ACTIVATION	RAW	0 x AA BB *	-	1	HEX.
33305	8219	4th SETPOINT PARAMETER TYPE	RAW	0 - 75	-	1	unsigned int
33306	821A	4th SETPOINT HIGH SET VALUE	RAW	**	-	1	unsigned int
33307	821B	4th SETPOINT LOW SET VALUE	RAW	**	-	1	unsigned int
33308	821C	4th SETPOINT HYSTERESIS VALUE	RAW	***	-	1	HEX.
33309	821D	4th SETPOINT FAULT DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33310	821E	4th SETPOINT RECOVERY DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33311	821F	4th SETPOINT OUTPUT # (NUMBER)	RAW	0 - 7	-	1	unsigned int
33312	8220	5th SETPOINT ACTIVATION	RAW	0 x AA BB *	-	1	HEX.
33313	8221	5th SETPOINT PARAMETER TYPE	RAW	0 - 75	-	1	unsigned int
33314	8222	5th SETPOINT HIGH SET VALUE	RAW	**	-	1	unsigned int
33315	8223	5th SETPOINT LOW SET VALUE	RAW	**	-	1	unsigned int
33316	8224	5th SETPOINT HYSTERESIS VALUE	RAW	***	-	1	HEX.
33317	8225	5th SETPOINT FAULT DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33318	8226	5th SETPOINT RECOVERY DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33319	8227	5th SETPOINT OUTPUT # (NUMBER)	RAW	0 - 7	-	1	unsigned int
33320	8228	6th SETPOINT ACTIVATION	RAW	0 x AA BB *	-	1	HEX.
33321	8229	6th SETPOINT PARAMETER TYPE	RAW	0 - 75	-	1	unsigned int
33322	822A	6th SETPOINT HIGH SET VALUE	RAW	**	-	1	unsigned int
33323	822B	6th SETPOINT LOW SET VALUE	RAW	**	-	1	unsigned int
33324	822C	6th SETPOINT HYSTERESIS VALUE	RAW	***	-	1	HEX.
33325	822D	6th SETPOINT FAULT DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33326	822E	6th SETPOINT RECOVERY DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33327	822F	6th SETPOINT OUTPUT # (NUMBER)	RAW	0 - 7	-	1	HEX.
33328	8230	7th SETPOINT ACTIVATION	RAW	0 x AA BB *	-	1	HEX.
33329	8231	7th SETPOINT PARAMETER TYPE	RAW	0 - 75	-	1	unsigned int
33330	8232	7th SETPOINT HIGH SET VALUE	RAW	**	-	1	unsigned int
33331	8233	7th SETPOINT LOW SET VALUE	RAW	**	-	1	unsigned int
33332	8234	7th SETPOINT HYSTERESIS VALUE	RAW	***	-	1	HEX.
33333	8235	7th SETPOINT FAULT DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33334	8236	7th SETPOINT RECOVERY DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33335	8237	7th SETPOINT OUTPUT # (NUMBER)	RAW	0 - 7	-	1	HEX.
33336	8238	8th SETPOINT ACTIVATION	RAW	0 x AA BB *	-	1	HEX.
33337	8239	8th SETPOINT PARAMETER TYPE	RAW	0 - 75	-	1	unsigned int
33338	823A	8th SETPOINT HIGH SET VALUE	RAW	**	-	1	unsigned int
33339	823B	8th SETPOINT LOW SET VALUE	RAW	**	-	1	unsigned int
33340	823C	8th SETPOINT HYSTERESIS VALUE	RAW	***	-	1	HEX.
33341	823D	8th SETPOINT FAULT DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33342	823E	8th SETPOINT RECOVERY DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33343	823F	8th SETPOINT OUTPUT # (NUMBER)	RAW	0 - 7	-	1	HEX.
33344	8240	9th SETPOINT ACTIVATION	RAW	0 x AA BB *	-	1	HEX.
33345	8241	9th SETPOINT PARAMETER TYPE	RAW	0 - 75	-	1	unsigned int
33346	8242	9th SETPOINT HIGH SET VALUE	RAW	**	-	1	unsigned int
33347	8243	9th SETPOINT LOW SET VALUE	RAW	**	-	1	unsigned int
33348	8244	9th SETPOINT HYSTERESIS VALUE	RAW	***	-	1	HEX.
33349	8245	9th SETPOINT FAULT DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33350	8246	9th SETPOINT RECOVERY DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33351	8247	9th SETPOINT OUTPUT # (NUMBER)	RAW	0 - 7	-	1	HEX.
33352	8248	10th SETPOINT ACTIVATION	RAW	0 x AA BB *	-	1	HEX.
33353	8249	10th SETPOINT PARAMETER TYPE	RAW	0 - 75	-	1	unsigned int
33354	824A	10th SETPOINT HIGH SET VALUE	RAW	**	-	1	unsigned int
33355	824B	10th SETPOINT LOW SET VALUE	RAW	**	-	1	unsigned int

MODBUS REGISTER MAP

ADDRESS	ADDRESS (HEX)	REGISTER	R/W	RANGE	UNIT	MULTIPLIER	FORMAT
33356	824C	10th SETPOINT HYSTERESIS VALUE	RAW	***	-	1	unsigned int
33357	824D	10th SETPOINT FAULT DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33358	824E	10th SETPOINT RECOVERY DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33359	824F	10th SETPOINT OUTPUT # (NUMBER)	RAW	0 - 7	-	1	HEX.
33360	8250	11th SETPOINT ACTIVATION	RAW	0 x AA BB *	-	1	HEX.
33361	8251	11th SETPOINT PARAMETER TYPE	RAW	0 - 75	-	1	unsigned int
33362	8252	11th SETPOINT HIGH SET VALUE	RAW	**	-	1	unsigned int
33363	8253	11th SETPOINT LOW SET VALUE	RAW	**	-	1	unsigned int
33364	8254	11th SETPOINT HYSTERESIS VALUE	RAW	***	-	1	HEX.
33365	8255	11th SETPOINT FAULT DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33366	8256	11th SETPOINT RECOVERY DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33367	8257	11th SETPOINT OUTPUT # (NUMBER)	RAW	0 - 7	-	1	HEX.
33368	8258	12th SETPOINT ACTIVATION	RAW	0 x AA BB *	-	1	HEX.
33369	8259	12th SETPOINT PARAMETER TYPE	RAW	0 - 75	-	1	unsigned int
33370	825A	12th SETPOINT HIGH SET VALUE	RAW	**	-	1	unsigned int
33371	825B	12th SETPOINT LOW SET VALUE	RAW	**	-	1	unsigned int
33372	825C	12th SETPOINT HYSTERESIS VALUE	RAW	***	-	1	HEX.
33373	825D	12th SETPOINT FAULT DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33374	825E	12th SETPOINT RECOVERY DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33375	825F	12th SETPOINT OUTPUT # (NUMBER)	RAW	0 - 7	-	1	HEX.
33376	8260	13th SETPOINT ACTIVATION	RAW	0 x AA BB *	-	1	HEX.
33377	8261	13th SETPOINT PARAMETER TYPE	RAW	0 - 75	-	1	unsigned int
33378	8262	13th SETPOINT HIGH SET VALUE	RAW	**	-	1	unsigned int
33379	8263	13th SETPOINT LOW SET VALUE	RAW	**	-	1	unsigned int
33380	8264	13th SETPOINT HYSTERESIS VALUE	RAW	***	-	1	HEX.
33381	8265	13th SETPOINT FAULT DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33382	8266	13th SETPOINT RECOVERY DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33383	8267	13th SETPOINT OUTPUT # (NUMBER)	RAW	0 - 7	-	1	HEX.
33384	8268	14th SETPOINT ACTIVATION	RAW	0 x AA BB *	-	1	HEX.
33385	8269	14th SETPOINT PARAMETER TYPE	RAW	0 - 75	-	1	unsigned int
33386	826A	14th SETPOINT HIGH SET VALUE	RAW	**	-	1	unsigned int
33387	826B	14th SETPOINT LOW SET VALUE	RAW	**	-	1	unsigned int
33388	826C	14th SETPOINT HYSTERESIS VALUE	RAW	***	-	1	HEX.
33389	826D	14th SETPOINT FAULT DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33390	826E	14th SETPOINT RECOVERY DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33391	826F	14th SETPOINT OUTPUT # (NUMBER)	RAW	0 - 7	-	1	HEX.
33392	8270	15th SETPOINT ACTIVATION	RAW	0 x AA BB *	-	1	HEX.
33393	8271	15th SETPOINT PARAMETER TYPE	RAW	0 - 75	-	1	unsigned int
33394	8272	15th SETPOINT HIGH SET VALUE	RAW	**	-	1	unsigned int
33395	8273	15th SETPOINT LOW SET VALUE	RAW	**	-	1	unsigned int
33396	8274	15th SETPOINT HYSTERESIS VALUE	RAW	***	-	1	HEX.
33397	8275	15th SETPOINT FAULT DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33398	8276	15th SETPOINT RECOVERY DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33399	8277	15th SETPOINT OUTPUT # (NUMBER)	RAW	0 - 7	-	1	HEX.
33400	8278	16th SETPOINT ACTIVATION	RAW	0 x AA BB *	-	1	HEX.
33401	8279	16th SETPOINT PARAMETER TYPE	RAW	0 - 75	-	1	unsigned int
33402	827A	16th SETPOINT HIGH SET VALUE	RAW	**	-	1	unsigned int
33403	827B	16th SETPOINT LOW SET VALUE	RAW	**	-	1	unsigned int
33404	827C	16th SETPOINT HYSTERESIS VALUE	RAW	***	-	1	HEX.
33405	827D	16th SETPOINT FAULT DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33406	827E	16th SETPOINT RECOVERY DELAY	RAW	0 - 9999	minute	0.1	unsigned int
33407	827F	16th SETPOINT OUTPUT # (NUMBER)	RAW	0 - 7	-	1	HEX.

*SETPOINT ACTIVATION :

0 x AA BB : 00 setpoint off
 01 : 01 setpoint active
 02 : 02 range set active
 03 : 03 high set active
 04 : 04 low set active

** Programmable range changes according to selected parameter.
 *** Hysteresis value is the half of programmable max. range.

PARAMETER :

0 : ... 75: Look at the parameter table

SETPOINT WARNING OUTPUT:

0: Out 1
 1: Out 2
 2: Digital output 1
 3: Digital output 2
 4: Digital output 3
 5: Digital output 4
 6: Digital output 5
 7: Digital output 6