

MODBUS REGISTER MAP

Table with 8 columns: ADDRESS, ADDRESS (HEX), REGISTER, R/W, RANGE, UNIT, MULTIPLIER, FORMAT. It lists 172 registers including voltage, current, power, energy, and status parameters.

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Table with 8 columns: ADDRESS, ADDRESS (HEX), REGISTER, R/W, RANGE, UNIT, MULTIPLIER, FORMAT. It lists 254 registers for parameter settings such as pulse ratio, party, baud rate, and energy counter selections.

PARAMETER SETTING 0-5: 0: 1Wait / Pulse 1: 0Off / 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) 4: Reserve Input 5: Reserve Input 6: 11W / Pulse 7: 11W / Pulse 8: 11W / Pulse 9: 11W / Pulse 10: 11W / Pulse 11: 11W / Pulse 12: 11W / Pulse 13: 11W / Pulse 14: 11W / Pulse 15: 11W / Pulse 16: 11W / Pulse 17: 11W / Pulse 18: 11W / Pulse 19: 11W / Pulse 20: 11W / Pulse 21: 11W / Pulse 22: 11W / Pulse 23: 11W / Pulse 24: 11W / Pulse 25: 11W / Pulse 26: 11W / Pulse 27: 11W / Pulse 28: 11W / Pulse 29: 11W / Pulse 30: 11W / Pulse 31: 11W / Pulse 32: 11W / Pulse 33: 11W / Pulse 34: 11W / Pulse 35: 11W / Pulse 36: 11W / Pulse 37: 11W / Pulse 38: 11W / Pulse 39: 11W / Pulse 40: 11W / Pulse 41: 11W / Pulse 42: 11W / Pulse 43: 11W / Pulse 44: 11W / Pulse 45: 11W / Pulse 46: 11W / Pulse 47: 11W / Pulse 48: 11W / Pulse 49: 11W / Pulse 50: 11W / Pulse 51: 11W / Pulse 52: 11W / Pulse 53: 11W / Pulse 54: 11W / Pulse 55: 11W / Pulse 56: 11W / Pulse 57: 11W / Pulse 58: 11W / Pulse 59: 11W / Pulse 60: 11W / Pulse 61: 11W / Pulse 62: 11W / Pulse 63: 11W / Pulse 64: 11W / Pulse 65: 11W / Pulse 66: 11W / Pulse 67: 11W / Pulse 68: 11W / Pulse 69: 11W / Pulse 70: 11W / Pulse 71: 11W / Pulse 72: 11W / Pulse 73: 11W / Pulse 74: 11W / Pulse 75: 11W / Pulse 76: 11W / Pulse 77: 11W / Pulse 78: 11W / Pulse 79: 11W / Pulse 80: 11W / Pulse 81: 11W / Pulse 82: 11W / Pulse 83: 11W / Pulse 84: 11W / Pulse 85: 11W / Pulse 86: 11W / Pulse 87: 11W / Pulse 88: 11W / Pulse 89: 11W / Pulse 90: 11W / Pulse 91: 11W / Pulse 92: 11W / Pulse 93: 11W / Pulse 94: 11W / Pulse 95: 11W / Pulse 96: 11W / Pulse 97: 11W / Pulse 98: 11W / Pulse 99: 11W / Pulse 100: 11W / Pulse 101: 11W / Pulse 102: 11W / Pulse 103: 11W / Pulse 104: 11W / Pulse 105: 11W / Pulse 106: 11W / Pulse 107: 11W / Pulse 108: 11W / Pulse 109: 11W / Pulse 110: 11W / Pulse 111: 11W / Pulse 112: 11W / Pulse 113: 11W / Pulse 114: 11W / Pulse 115: 11W / Pulse 116: 11W / Pulse 117: 11W / Pulse 118: 11W / Pulse 119: 11W / Pulse 120: 11W / Pulse 121: 11W / Pulse 122: 11W / Pulse 123: 11W / Pulse 124: 11W / Pulse 125: 11W / Pulse 126: 11W / Pulse 127: 11W / Pulse 128: 11W / Pulse 129: 11W / Pulse 130: 11W / Pulse 131: 11W / Pulse 132: 11W / Pulse 133: 11W / Pulse 134: 11W / Pulse 135: 11W / Pulse 136: 11W / Pulse 137: 11W / Pulse 138: 11W / Pulse 139: 11W / Pulse 140: 11W / Pulse 141: 11W / Pulse 142: 11W / Pulse 143: 11W / Pulse 144: 11W / Pulse 145: 11W / Pulse 146: 11W / Pulse 147: 11W / Pulse 148: 11W / Pulse 149: 11W / Pulse 150: 11W / Pulse 151: 11W / Pulse 152: 11W / Pulse 153: 11W / Pulse 154: 11W / Pulse 155: 11W / Pulse 156: 11W / Pulse 157: 11W / Pulse 158: 11W / Pulse 159: 11W / Pulse 160: 11W / Pulse 161: 11W / Pulse 162: 11W / Pulse 163: 11W / Pulse 164: 11W / Pulse 165: 11W / Pulse 166: 11W / Pulse 167: 11W / Pulse 168: 11W / Pulse 169: 11W / Pulse 170: 11W / Pulse 171: 11W / Pulse 172: 11W / Pulse

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	HEX.
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	unsigned int
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	unsigned int
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	unsigned int
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	unsigned int
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	unsigned int
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	unsigned int
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	unsigned int
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	unsigned int
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	unsigned int
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	unsigned int
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	unsigned int
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	unsigned int
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

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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	unsigned int
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	unsigned int
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	unsigned int
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	unsigned int
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	unsigned int
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	unsigned int
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	unsigned int
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	unsigned int
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	unsigned int
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	unsigned int
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	unsigned int
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	unsigned int
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	unsigned int

\*SETPOINT ACTIVATION :

0 x AA BB :  
 If AA = 00 setpoint off  
 If BB = 01 setpoint active  
 If BB = 00 range set active  
 If BB = 01 high set active  
 If BB = 02 low set active

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

\*\* Programmable range changes according to selected parameter.

\*\*\* Hysteresis value is the half of programmable max. range.