

**MODBUS TABLE ORGANIZATION**

Starting Address of the Group Registers (Dec)	Starting Address of the Group Registers (Hex)	System Version (Release)	System Version (Build)	Group Name (Text)	Group Code (Hex)	Group Complexity (Hex)	Group Version (Hex)
2096	830			State of the Inputs			
4096	1000			Counters			
4168	1048			Settings			
4242	1092			Counter type			
4244	1094			Counters with Tarif			
4352	1100			Counters			
4608	1200			Counting as displayed			

**MODBUS PROTOCOL DETAILS**

Function Code (Dec)	Exception Codes (Dec)	Data Encoding
3	1, 2, 3	"Big Endian" (most significant byte first)
16	1, 2, 3	

**MODBUS OVER SERIAL DETAILS**

Physical Layer	Trasmission Modes	Device Addressing	Baud Rates (bit/s)	Data Bits	Data bits trasmission sequence	Parity	Stop Bits
standard EIA/TIA 485 (RS-485) two-wire configuration	RTU	1÷247	programmable	8	Least significant bit first	programmable	1

**MASTER/SLAVE COMMUNICATION TIMING**

Timer Description	Timer Value (msec)
Inter-character time-out	Max. 20
Response delay (from master request)	20÷300
Delay Time (between two master trasmissions)	< 20

REFER ALSO TO: [www.modbus.org](http://www.modbus.org) - MODBUS over serial line specification and implementation guide V1.02  
 - MODBUS APPLICATION PROTOCOL SPECIFICATION V1.1b

NOTE: [File and printed copies of this document are not subject to document change control.](#)



Register Number	Register Address (Dec)	Register Address (Hex)	Dimension [bit]	Description	Note	Read Function Codes (Dec)	Data Storing (2)
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Register Number	Register Address (Dec)	Register Address (Hex)	Dimension [bit]	Description	Note	Read Function Codes (Dec)	Write Function Codes (Dec)	Data Storing (2)
				(no COILS available)				

Register Number	Register Address (Dec)	Register Address (Hex)	Dimension [word]	Bit Position	Description	Type	Scale	Unit	Range	Note	Read Function Code (Dec)
2097	2096	830	2		State of the Inputs						
2097	2096	830	2		State of the Inputs	unsigned integer	-	-		See Note 1	
4097	4096	1000	72		Counters						
4097	4096	1000	2		Counter 1	unsigned integer	1			See Note 2	3
4099	4098	1002	2		Counter 2	unsigned integer	1				3
4101	4100	1004	2		Counter 3	unsigned integer	1				3
4103	4102	1006	2		Counter 4	unsigned integer	1				3
4105	4104	1008	2		Counter 5	unsigned integer	1				3
4107	4106	100A	2		Counter 6	unsigned integer	1				3
4109	4108	100C	2		Counter 7	unsigned integer	1				See Note 2 & Note 3
4111	4110	100E	2		Counter 8	unsigned integer	1			See Note 2 & Note 3	3
4113	4112	1010	2		Counter 9	unsigned integer	1			See Note 2	3
4115	4114	1012	2		Counter 10	unsigned integer	1				3
4117	4116	1014	2		Counter 11	unsigned integer	1				3
4119	4118	1016	2		Counter 12	unsigned integer	1				3
4121	4120	1018	2		Unit Counter 1	unsigned integer	1		0 ÷ 5	0: Pulses 1: kWh 2: kvarh 3: kVAh 4: m <sup>3</sup> 5: Nm <sup>3</sup>	3
4123	4122	101A	2		Unit Counter 2	unsigned integer	1				3
4125	4124	101C	2		Unit Counter 3	unsigned integer	1				3
4127	4126	101E	2		Unit Counter 4	unsigned integer	1				3
4129	4128	1020	2		Unit Counter 5	unsigned integer	1				3
4131	4130	1022	2		Unit Counter 6	unsigned integer	1				3
4133	4132	1024	2		Unit Counter 7	unsigned integer	1				3
4135	4134	1026	2		Unit Counter 8	unsigned integer	1				3
4137	4136	1028	2		Unit Counter 9	unsigned integer	1				3
4139	4138	102A	2		Unit Counter 10	unsigned integer	1				3
4141	4140	102C	2		Unit Counter 11	unsigned integer	1				3
4143	4142	102E	2		Unit Counter 12	unsigned integer	1				3
4145	4144	1030	2		Weight Counter 1	unsigned integer	1			3	
4147	4146	1032	2		Weight Counter 2	unsigned integer	1			3	
4149	4148	1034	2		Weight Counter 3	unsigned integer	1			3	
4151	4150	1036	2		Weight Counter 4	unsigned integer	1			3	

Register Number	Register Address (Dec)	Register Address (Hex)	Dimension [word]	Bit Position	Description	Type	Scale	Unit	Range	Note	Read Function Code (Dec)
4153	4152	1038	2		Weight Counter 5	unsigned integer	1		0 ÷ 6	0: 0,001 (kWh, kvarh, kVA, m <sup>3</sup> , Nm <sup>3</sup> ) 1: 0,01 (kWh, kvarh, kVA, m3, Nm3) 2: 0,1 (kWh, kvarh, kVA, m3, Nm3) 3: 1 (kWh, kvarh, kVA, m3, Nm3) 4: 10 (kWh, kvarh, kVA, m3, Nm3) 5: 100 (kWh, kvarh, kVA, m3, Nm3) 6: 1000 (kWh, kvarh, kVA, m3, Nm3)	3
4155	4154	103A	2		Weight Counter 6	unsigned integer	1	3			
4157	4156	103C	2		Weight Counter 7	unsigned integer	1	3			
4159	4158	103E	2		Weight Counter 8	unsigned integer	1	3			
4161	4160	1040	2		Weight Counter 9	unsigned integer	1	3			
4163	4162	1042	2		Weight Counter 10	unsigned integer	1	3			
4165	4164	1044	2		Weight Counter 11	unsigned integer	1	3			
4167	4166	1046	2		Weight Counter 12	unsigned integer	1	3			
4169	4168	1048	72		Settings						
4169	4168	1048	2		Current transformer ratio - Input 1 (CT1)	unsigned integer	1		from 1 to 9999		3
4171	4170	104A	2		Current transformer ratio - Input 2 (CT2)	unsigned integer	1			3	
4173	4172	104C	2		Current transformer ratio - Input 3 (CT3)	unsigned integer	1			3	
4175	4174	104E	2		Current transformer ratio - Input 4 (CT4)	unsigned integer	1			3	
4177	4176	1050	2		Current transformer ratio - Input 5 (CT5)	unsigned integer	1			3	
4179	4178	1052	2		Current transformer ratio - Input 6 (CT6)	unsigned integer	1			3	
4181	4180	1054	2		Current transformer ratio - Input 7 (CT7)	unsigned integer	1			3	
4183	4182	1056	2		Current transformer ratio - Input 8 (CT8)	unsigned integer	1			3	
4185	4184	1058	2		Current transformer ratio - Input 9 (CT9)	unsigned integer	1			3	
4187	4186	105A	2		Current transformer ratio - Input 10 (CT10)	unsigned integer	1			3	
4189	4188	105C	2		Current transformer ratio - Input 11 (CT11)	unsigned integer	1			3	
4191	4190	105E	2		Current transformer ratio - Input 12 (CT12)	unsigned integer	1			3	
4193	4192	1060	2		Volatge transformer ratio - Input 1 (VT1)	unsigned integer	0,1		from 10 to 30000 (1 ÷ 3000)		3
4195	4194	1062	2		Volatge transformer ratio - Input 2 (VT2)	unsigned integer	0,1			3	
4197	4196	1064	2		Volatge transformer ratio - Input 3 (VT3)	unsigned integer	0,1			3	
4199	4198	1066	2		Volatge transformer ratio - Input 4 (VT4)	unsigned integer	0,1			3	
4201	4200	1068	2		Volatge transformer ratio - Input 5 (VT5)	unsigned integer	0,1			3	
4203	4202	106A	2		Volatge transformer ratio - Input 6 (VT6)	unsigned integer	0,1			3	
4205	4204	106C	2		Volatge transformer ratio - Input 7 (VT7)	unsigned integer	0,1			3	
4207	4206	106E	2		Volatge transformer ratio - Input 8 (VT8)	unsigned integer	0,1			3	
4209	4208	1070	2		Volatge transformer ratio - Input 9 (VT9)	unsigned integer	0,1			3	
4211	4210	1072	2		Volatge transformer ratio - Input 10 (VT10)	unsigned integer	0,1			3	

Register Number	Register Address (Dec)	Register Address (Hex)	Dimension [word]	Bit Position	Description	Type	Scale	Unit	Range	Note	Read Function Code (Dec)
4213	4212	1074	2		Volatge transformer ratio - Input 11 (VT11)	unsigned integer	0,1				3
4215	4214	1076	2		Volatge transformer ratio - Input 12 (VT12)	unsigned integer	0,1				3
4217	4216	1078	2		T OFF Input 1	unsigned integer	1		0 ÷ 7	Time OFF is minimum time to wait before pulse may be considered complete  0: 5 ms 1: 10 ms 2: 20 ms 3: 40 ms 4: 50 ms 5: 100 ms 6: 200 ms 7: 500 ms	3
4219	4218	107A	2		T OFF Input 2	unsigned integer	1				3
4221	4220	107C	2		T OFF Input 3	unsigned integer	1				3
4223	4222	107E	2		T OFF Input 4	unsigned integer	1				3
4225	4224	1080	2		T OFF Input 5	unsigned integer	1				3
4227	4226	1082	2		T OFF Input 6	unsigned integer	1				3
4229	4228	1084	2		T OFF Input 7	unsigned integer	1				3
4231	4230	1086	2		T OFF Input 8	unsigned integer	1				3
4233	4232	1088	2		T OFF Input 9	unsigned integer	1				3
4235	4234	108A	2		T OFF Input 10	unsigned integer	1				3
4237	4236	108C	2		T OFF Input 11	unsigned integer	1				3
4239	4238	108E	2		T OFF Input 12	unsigned integer	1				3
4243	4242	1092	2		Counter type						
4243	4242	1092	2		Counter type	unsigned integer	1		0 ÷ 3	0: Potential Live (Pot Live) 1: Potential Free (Pot Free) 2: Potential Free, all inputs equals (PotAFree) 3: GME Enel (GME S0)	3
4245	4244	1094	40		Counters with Tarif						
4245	4244	1094	2		Tarif 1 - Positive Active Energy	unsigned integer	1			See Note 4	3
4247	4246	1096	2		Tarif 1 - Positive Reactive Energy	unsigned integer	1				3
4249	4248	1098	2		Tarif 1 - Negative Active Energy	unsigned integer	1				3
4251	4250	109A	2		Tarif 1 - Negative Reactive Energy	unsigned integer	1				3
4253	4252	109C	2		Tarif 2 - Positive Active Energy	unsigned integer	1				3
4255	4254	109E	2		Tarif 2 - Positive Reactive Energy	unsigned integer	1				3
4257	4256	10A0	2		Tarif 2 - Negative Active Energy	unsigned integer	1				3
4259	4258	10A2	2		Tarif 2 - Negative Reactive Energy	unsigned integer	1				3
4261	4260	10A4	2		Tarif 3 - Positive Active Energy	unsigned integer	1				3
4263	4262	10A6	2		Tarif 3 - Positive Reactive Energy	unsigned integer	1				3
4265	4264	10A8	2		Tarif 3 - Negative Active Energy	unsigned integer	1				3
4267	4266	10AA	2		Tarif 3 - Negative Reactive Energy	unsigned integer	1				3
4269	4268	10AC	2		Tarif 4 - Positive Active Energy	unsigned integer	1				3

Register Number	Register Address (Dec)	Register Address (Hex)	Dimension [word]	Bit Position	Description	Type	Scale	Unit	Range	Note	Read Function Code (Dec)
4271	4270	10AE	2		Tarif 4 - Positive Reactive Energy	unsigned integer	1				3
4273	4272	10B0	2		Tarif 4 - Negative Active Energy	unsigned integer	1				3
4275	4274	10B2	2		Tarif 4 - Negative Reactive Energy	unsigned integer	1				3
4277	4276	10B4	2		Multi-tarif - Positive Active Energy	unsigned integer	1				
4279	4278	10B6	2		Multi-tarif - Positive Reactive Energy	unsigned integer	1				3
4281	4280	10B8	2		Multi-tarif - Negative Active Energy	unsigned integer	1				3
4283	4282	10BA	2		Multi-tarif - Negative Reactive Energy	unsigned integer	1				3
<b>4353</b>	<b>4352</b>	<b>1100</b>	<b>134</b>		<b>Counters</b>						
4353	4352	1100	2		Counter 1	unsigned integer	1			<i>See Note 2</i>	3
4355	4354	1102	2		Counter 2	unsigned integer	1				3
4357	4356	1104	2		Counter 3	unsigned integer	1				3
4359	4358	1106	2		Counter 4	unsigned integer	1				3
4361	4360	1108	2		Counter 5	unsigned integer	1				3
4363	4362	110A	2		Counter 6	unsigned integer	1				3
4365	4364	110C	2		Counter 7	unsigned integer	1			<i>See Note 2 &amp; Note 3</i>	3
4367	4366	110E	2		Counter 8	unsigned integer	1			<i>See Note 2 &amp; Note 3</i>	3
4385	4384	1120	2		Counter 9	unsigned integer	1			<i>See Note 2</i>	3
4387	4386	1122	2		Counter 10	unsigned integer	1				3
4389	4388	1124	2		Counter 11	unsigned integer	1				3
4391	4390	1126	2		Counter 12	unsigned integer	1				3
<b>4609</b>	<b>4608</b>	<b>1200</b>	<b>56</b>		<b>Counting as displayed</b>						
4609	4608	1200	2		Coounting 1 as displayed	signed integer	1				3
4611	4610	1202	2		Coounting 2 as displayed	signed integer	1				3
4613	4612	1204	2		Coounting 3 as displayed	signed integer	1				3
4615	4614	1206	2		Coounting 4 as displayed	signed integer	1				3
4617	4616	1208	2		Coounting 5 as displayed	signed integer	1				3
4619	4618	120A	2		Coounting 6 as displayed	signed integer	1				3
4621	4620	120C	2		Coounting 7 as displayed	signed integer	1				3
4623	4622	120E	2		Coounting 8 as displayed	signed integer	1				3
4625	4624	1210	2		Coounting 9 as displayed	signed integer	1				3
4627	4626	1212	2		Coounting 10 as displayed	signed integer	1				3
4629	4628	1214	2		Coounting 11 as displayed	signed integer	1				3

Register Number	Register Address (Dec)	Register Address (Hex)	Dimension [word]	Bit Position	Description	Type	Scale	Unit	Range	Note	Read Function Code (Dec)
4631	4630	1216	2		Coounting 12 as displayed	unsigned integer	1			See Note 5	3
4633	4632	1218	2		Tarif 1 - Positive Active Energy as displayed	unsigned integer	1				3
4635	4634	121A	2		Tarif 1 - Positive Reactive Energy as displayed	unsigned integer	1				3
4637	4636	121C	2		Tarif 1 - Negative Active Energy as displayed	unsigned integer	1				3
4639	4638	121E	2		Tarif 1 - Negative Reactive Energy as displayed	unsigned integer	1				3
4641	4640	1220	2		Tarif 2 - Positive Active Energy as displayed	unsigned integer	1				3
4643	4642	1222	2		Tarif 2 - Positive Reactive Energy as displayed	unsigned integer	1				3
4645	4644	1224	2		Tarif 2 - Negative Active Energy as displayed	unsigned integer	1				3
4647	4646	1226	2		Tarif 2 - Negative Reactive Energy as displayed	unsigned integer	1				3
4649	4648	1228	2		Tarif 3 - Positive Active Energy as displayed	unsigned integer	1				3
4651	4650	122A	2		Tarif 3 - Positive Reactive Energy as displayed	unsigned integer	1				3
4653	4652	122C	2		Tarif 3 - Negative Active Energy as displayed	unsigned integer	1				3
4655	4654	122E	2		Tarif 3 - Negative Reactive Energy as displayed	unsigned integer	1				3
4657	4656	1230	2		Tarif 4 - Positive Active Energy as displayed	unsigned integer	1				3
4659	4658	1232	2		Tarif 4 - Positive Reactive Energy as displayed	unsigned integer	1				3
4661	4660	1234	2		Tarif 4 - Negative Active Energy as displayed	unsigned integer	1				3
4663	4662	1236	2		Tarif 4 - Negative Reactive Energy as displayed	unsigned integer	1				

**Note 1 - State of the Inputs**

The answer is in the following format : FF 03 02 W0 W1

To know the inputs status, convert W0 W1 in bynary

Example: answer 0000 0101h -> 000100000001b -> Inputs 1 and 9 are closed

b0 => Input 1

...

...

b11 => Input 12

**Note 2 - Counters**

To give a meaning to pulses it is necessary to take in account the pulse weight.

For example:

Pulse weight = 0.01 kWh

Energy value (terminal side) = 1234 \* 0.01 = 12.34 kWh

**Note 3 - Input 7 & 8**

If S0 input has been selected, counters 7 and 8 contain the Total Positive Active Energy (7) and Total Positive

Reactive Energy (8) as pulse numbers:

for instance 12345 value means 12345 PULSES.

In all other cases they normally give the counts of input 7 and 8.



Register Number	Register Address (Dec)	Register Address (Hex)	Dimension [word]	Bit Position	Description	Type	Scale	Unit	Range	Note	Read Function Code (Dec)
<b>Note 4 - Counters with Tariffs</b>											
<p>Only if Counter type = GME S0</p> <p>To give a meaning to pulses it is necessary to take in account the pulse weight.            For example :            Input counting = 12345678            Pulses per kWh = 10000            Energy value (terminal side) = <math>12345678 / 10000 = 1234.5678</math> kWh</p>											
<b>Note 5 - Counting as displayed</b>											
<p>The communicated value is displayed value and not internal counting.</p> <p>For instance:</p> <p>First case:            8000 pulses per 1KWh            Internal counting = 2000            Value on display 00000.25 kWh            Communicated value 25</p> <p>Second case:            1 pulse any 0.1 kWh            Internal counting = 5000            Value on display 00000500 kWh            Communicated value 500</p>											

Data Storing (2)



<b>Data Storing (2)</b>





Data Storing (2)



Data Storing (2)

Data  
Storing  
(2)

Register Number	Register Address (Dec)	Register Address (Hex)	Dimension [word]	Bit Position	Description	Type	Scale	Unit	Range
4097	4096	1000	72		Counters				
4097	4096	1000	2		Counter 1	unsigned integer	1		
4099	4098	1002	2		Counter 2	unsigned integer	1		
4101	4100	1004	2		Counter 3	unsigned integer	1		
4103	4102	1006	2		Counter 4	unsigned integer	1		
4105	4104	1008	2		Counter 5	unsigned integer	1		
4107	4106	100A	2		Counter 6	unsigned integer	1		
4109	4108	100C	2		Counter 7	unsigned integer	1		
4111	4110	100E	2		Counter 8	unsigned integer	1		
4113	4112	1010	2		Counter 9	unsigned integer	1		
4115	4114	1012	2		Counter 10	unsigned integer	1		
4117	4116	1014	2		Counter 11	unsigned integer	1		
4119	4118	1016	2		Counter 12	unsigned integer	1		
4121	4120	1018	2		Unit Counter 1	unsigned integer	1		
4123	4122	101A	2		Unit Counter 2	unsigned integer	1		
4125	4124	101C	2		Unit Counter 3	unsigned integer	1		
4127	4126	101E	2		Unit Counter 4	unsigned integer	1		
4129	4128	1020	2		Unit Counter 5	unsigned integer	1		
4131	4130	1022	2		Unit Counter 6	unsigned integer	1		
4133	4132	1024	2		Unit Counter 7	unsigned integer	1		0 ÷ 5
4135	4134	1026	2		Unit Counter 8	unsigned integer	1		
4137	4136	1028	2		Unit Counter 9	unsigned integer	1		
4139	4138	102A	2		Unit Counter 10	unsigned integer	1		
4141	4140	102C	2		Unit Counter 11	unsigned integer	1		
4143	4142	102E	2		Unit Counter 12	unsigned integer	1		
4145	4144	1030	2		Weight Counter 1	unsigned integer	1		
4147	4146	1032	2		Weight Counter 2	unsigned integer	1		
4149	4148	1034	2		Weight Counter 3	unsigned integer	1		
4151	4150	1036	2		Weight Counter 4	unsigned integer	1		
4153	4152	1038	2		Weight Counter 5	unsigned integer	1		
4155	4154	103A	2		Weight Counter 6	unsigned integer	1		0 ÷ 6
4157	4156	103C	2		Weight Counter 7	unsigned integer	1		
4159	4158	103E	2		Weight Counter 8	unsigned integer	1		



Register Number	Register Address (Dec)	Register Address (Hex)	Dimension [word]	Bit Position	Description	Type	Scale	Unit	Range
4161	4160	1040	2		Weight Counter 9	unsigned integer	1		
4163	4162	1042	2		Weight Counter 10	unsigned integer	1		
4165	4164	1044	2		Weight Counter 11	unsigned integer	1		
4167	4166	1046	2		Weight Counter 12	unsigned integer	1		
<b>4169</b>	<b>4168</b>	<b>1048</b>	<b>72</b>		<b>Settings</b>				
4169	4168	1048	2		Current transformer ratio - Input 1 (CT1)	unsigned integer	1		from 1 to 9999
4171	4170	104A	2		Current transformer ratio - Input 2 (CT2)	unsigned integer	1		
4173	4172	104C	2		Current transformer ratio - Input 3 (CT3)	unsigned integer	1		
4175	4174	104E	2		Current transformer ratio - Input 4 (CT4)	unsigned integer	1		
4177	4176	1050	2		Current transformer ratio - Input 5 (CT5)	unsigned integer	1		
4179	4178	1052	2		Current transformer ratio - Input 6 (CT6)	unsigned integer	1		
4181	4180	1054	2		Current transformer ratio - Input 7 (CT7)	unsigned integer	1		
4183	4182	1056	2		Current transformer ratio - Input 8 (CT8)	unsigned integer	1		
4185	4184	1058	2		Current transformer ratio - Input 9 (CT9)	unsigned integer	1		
4187	4186	105A	2		Current transformer ratio - Input 10 (CT10)	unsigned integer	1		
4189	4188	105C	2		Current transformer ratio - Input 11 (CT11)	unsigned integer	1		
4191	4190	105E	2		Current transformer ratio - Input 12 (CT12)	unsigned integer	1		
4193	4192	1060	2		Volatge transformer ratio - Input 1 (VT1)	unsigned integer	0,1		from 10 to 30000 (1 ÷ 3000)
4195	4194	1062	2		Volatge transformer ratio - Input 2 (VT2)	unsigned integer	0,1		
4197	4196	1064	2		Volatge transformer ratio - Input 3 (VT3)	unsigned integer	0,1		
4199	4198	1066	2		Volatge transformer ratio - Input 4 (VT4)	unsigned integer	0,1		
4201	4200	1068	2		Volatge transformer ratio - Input 5 (VT5)	unsigned integer	0,1		
4203	4202	106A	2		Volatge transformer ratio - Input 6 (VT6)	unsigned integer	0,1		
4205	4204	106C	2		Volatge transformer ratio - Input 7 (VT7)	unsigned integer	0,1		
4207	4206	106E	2		Volatge transformer ratio - Input 8 (VT8)	unsigned integer	0,1		
4209	4208	1070	2		Volatge transformer ratio - Input 9 (VT9)	unsigned integer	0,1		
4211	4210	1072	2		Volatge transformer ratio - Input 10 (VT10)	unsigned integer	0,1		
4213	4212	1074	2		Volatge transformer ratio - Input 11 (VT11)	unsigned integer	0,1		
4215	4214	1076	2		Volatge transformer ratio - Input 12 (VT12)	unsigned integer	0,1		
4217	4216	1078	2		T OFF Input 1	unsigned integer	1		
4219	4218	107A	2		T OFF Input 2	unsigned integer	1		
4221	4220	107C	2		T OFF Input 3	unsigned integer	1		
4223	4222	107E	2		T OFF Input 4	unsigned integer	1		

Register Number	Register Address (Dec)	Register Address (Hex)	Dimension [word]	Bit Position	Description	Type	Scale	Unit	Range
4225	4224	1080	2		T OFF Input 5	unsigned integer	1		0 ÷ 7
4227	4226	1082	2		T OFF Input 6	unsigned integer	1		
4229	4228	1084	2		T OFF Input 7	unsigned integer	1		
4231	4230	1086	2		T OFF Input 8	unsigned integer	1		
4233	4232	1088	2		T OFF Input 9	unsigned integer	1		
4235	4234	108A	2		T OFF Input 10	unsigned integer	1		
4237	4236	108C	2		T OFF Input 11	unsigned integer	1		
4239	4238	108E	2		T OFF Input 12	unsigned integer	1		
4243	4242	1092	2		Counter type				
4243	4242	1092	2		Counter type	unsigned integer	1		0 ÷ 3

**Note 1 - Configuration Procedure**

- 1) "Master Unlock Key" command (write the value = **0x5AA5** in the register 0x2700)
- 2) Write the new Configuration (one or more registers...)
- 3) "Master Unlock Key" command (write the value = **0x5AA5** in the register 0x2700)
- 4) Save/Confirm the new Configuration (writing the value **0x000A** in the register 0x2600)
- 5) The new Configuration is now available

Note	Read Function Code (Dec)	Data Storing (2)
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
0: Pulses 1: kWh 2: kvarh 3: kVAh 4: m <sup>3</sup> 5: Nm <sup>3</sup>	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
0: 0,001 (kWh, kvarh, kVA, m <sup>3</sup> , Nm <sup>3</sup> ) 1: 0,01 (kWh, kvarh, kVA, m3, Nm3) 2: 0,1 (kWh, kvarh, kVA, m3, Nm3) 3: 1 (kWh, kvarh, kVA, m3, Nm3) 4: 10 (kWh, kvarh, kVA, m3, Nm3) 5: 100 (kWh, kvarh, kVA, m3, Nm3) 6: 1000 (kWh, kvarh, kVA, m3, Nm3)	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	





Note	Read Function Code (Dec)	Data Storing (2)
0: 5 ms 1: 10 ms 2: 20 ms 3: 40 ms 4: 50 ms 5: 100 ms 6: 200 ms 7: 500 ms	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
0: Potential Live (Pot Live) 1: Potential Free (Pot Free) 2: Potential Free, all inputs equals (PotAFree) 3: GME Encl (GME S0)	3	