

## MPR-1003 - MODBUS MEMORY MAP

Add (Hex)	MODBUS REG. ADD (Dec)	Size	Description	Unit	Min	Step 1	Level 1	Step 2	Level 2	Step 3	Max	Initial Value	Format	Associated Command	Read/Write
0000	300001	1 W	Product Code	---	---	---	---	---	---	---	---	70	2		R
0001	300002	1 W	Product Model	---	---	---	---	---	---	---	---	3	2		R
0002	300003	1 W	Version Number	---	---	---	---	---	---	---	---	1,67	6		R
0003	300004	1 W	Product Language	---	---	---	---	---	---	---	---	1	2		R
0004	300005	124 W	Reserved												
0080	400129	1 W	Command Operation Code	---	---	---	---	---	---	---	---	---	7000		W
0081	400130	1 W	Command Password	---	---	---	---	---	---	---	---	---	2		W
0082	300131	14 W	Reserved												
0090	400145	2 W	Date & Time Preset Data	---	---	---	---	---	---	---	---	---	6408	5	R/W
0092	400147	10 W	Reserved												
009C	400157	1 W	Access Code Preset	---	1111	1	---	---	---	---	9999	---	10	13	R/W
009D	400158	21 W	Reserved												
00B2	400179	1 W	K TA Preset	---	800	1	---	---	---	---	1200	1000	2	26	R/W
00B3	400180	1 W	K TV Preset	---	800	1	---	---	---	---	1200	1000	2	25	R/W
00B4	400181	1 W	Phi TA/TV Preset	°	-5	0,01	---	---	---	---	5	0	5	27	R/W
00B5	300182	10 W	Reserved												
00BF	400192	8 W	BLE Device Name Preset	---	---	---	---	---	---	---	---	---	6410	4	R/W
00C7	400200	57 W	Reserved												
0100	400257	1 W	Display Contrast	---	1	1	---	---	---	---	10	5	2		R/W
0101	400258	1 W	Display Brightness	---	0	1	---	---	---	---	10	5	2		R/W
0102	400259	1 W	System Frequency	Hz	0	1	---	---	---	---	1	0	6401		R/W
0103	400260	1 W	Phase CT Rating Primary	---	0	1	---	---	---	---	9	4	6402		R/W
0104	400261	1 W	Phase Custom CT Ratio	---	5	1	10	5	500	50	6000	100	2		R/W
0105	400262	1 W	Number of Turns	---	1	1	---	---	---	---	5	1	2		R/W
0106	400263	1 W	Ground Sensing	---	0	1	---	---	---	---	1	1	6630		R/W
0107	400264	1 W	Ground CT Ratio	---	50	5	500	10	1000	50	5000	500	2		R/W
0108	400265	1 W	Vt Connection	---	0	1	---	---	---	---	3	1	6404		R/W
0109	400266	1 W	Vt Rated Secondary	V	80	1	---	---	---	---	480	100	2		R/W
010A	400267	2 W	Vt Rated Primary	V	80	5	500	50	1000	500	10000	1000	2		R/W
010C	400269	1 W	Command	---	0	1	---	---	---	---	3	3	7041		R/W
010D	400270	1 W	Trip Relay	---	1	1	---	---	---	---	4	2	7014		R/W
010E	400271	1 W	Out Of Service Relay	---	0	1	---	---	---	---	1	0	7015		R/W
010F	400272	1 W	Power Contact Failure	---	0	1	---	---	---	---	4	0	7013		R/W
0110	300273	2 W	Reserved												
0112	400275	1 W	Aux1 Relay Mode	---	0	1	---	---	---	---	1	0	6614		R/W
0113	400276	1 W	Aux2 Relay Mode	---	0	1	---	---	---	---	1	0	6614		R/W
0114	400277	1 W	Aux3 Relay Mode	---	0	1	---	---	---	---	1	0	6614		R/W
0115	400278	1 W	Aux1 Relay Non Operating State	---	0	1	---	---	---	---	1	0	7040		R/W
0116	400279	1 W	Aux2 Relay Non Operating State	---	0	1	---	---	---	---	1	0	7040		R/W
0117	400280	1 W	Aux3 Relay Non Operating State	---	0	1	---	---	---	---	1	0	7040		R/W
0118	300281	9 W	Reserved												
0121	400290	1 W	Motor Full Load Current	A	0,5	0,1	10	1	200	10	5000	100	4		R/W
0122	400291	1 W	Thermal Capacity Curve Class	---	0	1	---	---	---	---	12	1	933		R/W
0123	400292	1 W	Overload Pickup Level	%	10	1	---	---	---	---	150	101	2		R/W
0124	400293	1 W	Hot Cold Ratio	%	1	1	---	---	---	---	100	90	2		R/W
0125	400294	1 W	Negative Sequence Factor	---	0	1	---	---	---	---	12	0	2		R/W
0126	400295	1 W	Cooling Time Stopped	min	0	1	---	---	---	---	720	30	2		R/W
0127	400296	1 W	Cooling Time Running	min	0	1	---	---	---	---	720	15	2		R/W
0128	400297	1 W	Motor Learn Period	min	1	1	---	---	---	---	120	15	2		R/W
0129	300298	10 W	Reserved												
0133	400308	1 W	Load Increase Relays	---	0	1	---	---	---	---	7	0	6416		R/W
0134	400309	1 W	Thermal Capacity Relays	---	0	1	---	---	---	---	7	0	6416		R/W
0135	400310	1 W	Thermal Capacity Level	%	16	1	---	---	---	---	100	70	2		R/W
0136	400311	1 W	Reset TC Mode	---	0	1	---	---	---	---	1	0	6406		R/W
0137	400312	1 W	Reset TC Level	%	1	1	---	---	---	---	90	50	2		R/W
0138	400313	1 W	Acceleration Timer Relays	---	0	1	---	---	---	---	7	0	6416		R/W
0139	400314	1 W	Max Acceleration Timer	s	1	0,1	10	1	---	---	300	10	4		R/W
013A	300315	2 W	Reserved												
013C	400317	1 W	Multiple Starts Protection Relays	---	0	1	---	---	---	---	7	0	6416		R/W
013D	400318	1 W	Multiple Starts Time Period	---	0	1	---	---	---	---	2	0	7017		R/W
013E	400319	1 W	Max Starting Rate	---	1	1	---	---	---	---	6000	10	2		R/W
013F	300320	5 W	Reserved												
0144	400325	1 W	Ground Vector Overcurrent Relays	---	0	1	---	---	---	---	7	0	6416		R/W

0145	400326	1 W	Ground Vector Overcurrent Pickup	%	10	1	---	---	---	---	300	10	2		R/W
0146	400327	1 W	Ground Vector Overcurrent on Start Delay	s	0,1	0,1	10	1	---	---	100	0,5	4		R/W
0147	400328	1 W	Ground Vector Overcurrent on Run Delay	s	0,1	0,1	10	1	---	---	100	0,5	4		R/W
0148	400329	1 W	Ground Zero Sequence Overcurrent Relays	---	0	1	---	---	---	---	7	0	6416		R/W
0149	400330	1 W	Ground Zero Sequence Overcurrent Pickup	%	0,5	0,5	10	1	---	---	100	6	4		R/W
014A	400331	1 W	Ground Zero Sequence Overcurrent on Start Delay	s	0,1	0,1	10	1	---	---	100	0,5	4		R/W
014B	400332	1 W	Ground Zero Sequence Overcurrent on Run Delay	s	0,1	0,1	10	1	---	---	100	0,5	4		R/W
014C	300333	10 W	Reserved												
0156	400343	1 W	Undervoltage1 Relays	---	0	1	---	---	---	---	7	0	6416		R/W
0157	400344	1 W	Undervoltage 1 Level	%	30	1	---	---	---	---	99	80	2		R/W
0158	400345	1 W	Undervoltage 1 Reset	%	31	1	---	---	---	---	100	85	2		R/W
0159	400346	1 W	Undervoltage 1 Delay	s	0,5	0,1	10	1	---	---	600	0,5	4		R/W
015A	400347	1 W	Phases for U/V 1 Operation	---	0	1	---	---	---	---	2	0	6413		R/W
015B	400348	1 W	Minimum Operation Level for U/V 1	%	0	1	---	---	---	---	50	15	2		R/W
015C	400349	1 W	Overvoltage1 Relays	---	0	1	---	---	---	---	7	0	6416		R/W
015D	400350	1 W	Overvoltage 1 Level	%	101	1	---	---	---	---	150	115	2		R/W
015E	400351	1 W	Overvoltage 1 Reset	%	100	1	---	---	---	---	149	110	2		R/W
015F	400352	1 W	Overvoltage 1 Delay	s	0,5	0,1	10	1	---	---	600	0,5	4		R/W
0160	400353	1 W	Phases for O/V 1 Operation	---	0	1	---	---	---	---	2	0	6413		R/W
0161	400354	1 W	Phase Reversal Relays	---	0	1	---	---	---	---	7	0	6416		R/W
0162	300355	10 W	Reserved												
016C	400365	1 W	Mechanical Jam Relays	---	0	1	---	---	---	---	7	0	6416		R/W
016D	400366	1 W	Mechanical Jam Level	%	110	1	---	---	---	---	500	110	2		R/W
016E	400367	1 W	Mechanical Jam Delay	s	0,5	0,1	10	1	---	---	600	0,5	4		R/W
016F	400368	1 W	Current Unbalance Relays	---	0	1	---	---	---	---	7	0	6416		R/W
0170	400369	1 W	Current Unbalance Level	%	1	1	---	---	---	---	99	10	2		R/W
0171	400370	1 W	Current Unbalance Delay	s	0,5	0,1	10	1	---	---	600	0,5	4		R/W
0172	400371	1 W	UnderCurrent Relays	---	0	1	---	---	---	---	7	0	6416		R/W
0173	400372	1 W	UnderCurrent Level	%	2	1	---	---	---	---	100	10	2		R/W
0174	400373	1 W	UnderCurrent Delay	s	0,5	0,1	10	1	---	---	600	0,5	4		R/W
0175	300374	40 W	Reserved												
019D	400414	1 W	System Events Config	---	0	1	---	---	---	---	1	1	6407		R/W
019E	400415	1 W	Output Events Config	---	0	1	---	---	---	---	1	1	6407		R/W
019F	400416	1 W	Voltage Protec. Events Config	---	0	1	---	---	---	---	1	1	6407		R/W
01A0	400417	1 W	Gnd Current Protec. Events Config	---	0	1	---	---	---	---	1	1	6407		R/W
01A1	400418	1 W	Standard Protec. Events Config	---	0	1	---	---	---	---	1	1	6407		R/W
01A2	400419	1 W	Starting Protec. Events Config	---	0	1	---	---	---	---	1	1	6407		R/W
01A3	300420	4 W	Reserved												
01A7	400424	1 W	Slave Address	---	1	1	---	---	---	---	247	1	2		R/W
01A8	400425	1 W	Com (RS-485) Baud Rate	---	3	1	---	---	---	---	7	3	6409		R/W
01A9	400426	1 W	Com (RS-485) Configuration	---	2	1	---	---	---	---	7	2	6414		R/W
01AA	300427	10 W	Reserved												
01B4	300437	8 W	BLE Device Name	---	---	---	---	---	---	---	---	---	6410		R
01BC	300445	95 W	Reserved												
021B	300540	1 W	K TA	---	800	1	---	---	---	---	1200	1000	2		R
021C	300541	1 W	K TV	---	800	1	---	---	---	---	1200	1000	2		R
021D	300542	1 W	Phi TA/TV	°	-5	0,01	---	---	---	---	5	0	5		R
021E	300543	226 W	Reserved												
0300	300769	2 W	MPR Date & Time	---	---	---	---	---	---	---	---	---	6408		R
0302	300771	1 W	Reserved												
0303	300772	1 W	Output Relays Status	---	---	---	---	---	---	---	---	---	6411		R
0304	300773	2 W	Reserved												
0306	300775	2 W	Status Flag	---	---	---	---	---	---	---	---	---	7033		R
0308	300777	6 W	Reserved												
030E	300783	2 W	Phase A True RMS Current	A	0,00	0,01	10	0,1	100	1	1000	---	6		R
0310	300785	2 W	Phase B True RMS Current	A	0,00	0,01	10	0,1	100	1	1000	---	6		R
0312	300787	2 W	Phase C True RMS Current	A	0,00	0,01	10	0,1	100	1	1000	---	6		R
0314	300789	2 W	Ground Vectorial True RMS Current	A	0,00	0,01	10	0,1	100	1	1000	---	6		R
0316	300791	2 W	Ground Zero Sequence RMS Current	A	0,00	0,01	10	0,1	100	1	1000	---	6		R
0318	300793	2 W	Current Average	A	0,00	0,01	10	0,1	100	1	1000	---	6		R
031A	300795	1 W	Current Unbalance	%	---	---	---	---	---	---	---	---	4		R
031B	300796	2 W	Negative Sequence Current	A	0	0,01	10	0,1	100	1	1000	---	6		R
031D	300798	2 W	Reserved												
031F	300800	2 W	AB RMS Voltage	V	0,00	0,01	10	0,1	100	1	1000	---	6		R
0321	300802	2 W	BC RMS Voltage	V	0,00	0,01	10	0,1	100	1	1000	---	6		R
0323	300804	2 W	CA RMS Voltage	V	0,00	0,01	10	0,1	100	1	1000	---	6		R
0325	300806	2 W	Phase AN RMS Voltage	V	0,00	0,01	10	0,1	100	1	1000	---	6		R

0327	300808	2 W	Phase BN RMS Voltage	V	0,00	0,01	10	0,1	100	1	1000	---	6	R
0329	300810	2 W	Phase CN RMS Voltage	V	0,00	0,01	10	0,1	100	1	1000	---	6	R
032B	300812	1 W	Phase Sequence		---	---	---	---	---	---	---	---	32	R
032C	300813	2 W	Voltage Average	V	0,00	0,01	10	0,1	100	1	1000	---	6	R
032E	300815	1 W	Voltage Unbalance	%	---	---	---	---	---	---	---	---	4	R
032F	300816	6 W	Reserved											
0335	300822	1 W	Current THD	%	0,0	0,1	100	1	---	---	100	---	4	R
0336	300823	1 W	Voltage THD	%	0,0	0,1	100	1	---	---	100	---	4	R
0337	300824	10 W	Reserved											
0341	300834	1 W	Phase A Current 2nd Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0342	300835	1 W	Phase A Current 3rd Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0343	300836	1 W	Phase A Current 4th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0344	300837	1 W	Phase A Current 5th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0345	300838	1 W	Phase A Current 6th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0346	300839	1 W	Phase A Current 7th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0347	300840	1 W	Phase A Current 8th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0348	300841	1 W	Phase A Current 9th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0349	300842	1 W	Phase A Current 10th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
034A	300843	1 W	Phase A Current 11th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
034B	300844	1 W	Phase B Current 2nd Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
034C	300845	1 W	Phase B Current 3rd Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
034D	300846	1 W	Phase B Current 4th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
034E	300847	1 W	Phase B Current 5th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
034F	300848	1 W	Phase B Current 6th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0350	300849	1 W	Phase B Current 7th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0351	300850	1 W	Phase B Current 8th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0352	300851	1 W	Phase B Current 9th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0353	300852	1 W	Phase B Current 10th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0354	300853	1 W	Phase B Current 11th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0355	300854	1 W	Phase C Current 2nd Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0356	300855	1 W	Phase C Current 3rd Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0357	300856	1 W	Phase C Current 4th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0358	300857	1 W	Phase C Current 5th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0359	300858	1 W	Phase C Current 6th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
035A	300859	1 W	Phase C Current 7th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
035B	300860	1 W	Phase C Current 8th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
035C	300861	1 W	Phase C Current 9th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
035D	300862	1 W	Phase C Current 10th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
035E	300863	1 W	Phase C Current 11th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
035F	300864	1 W	Phase A K-Factor	---	0,00	0,01	10	0,1	100	1	1000	---	6	R
0360	300865	1 W	Phase B K-Factor	---	0,00	0,01	10	0,1	100	1	1000	---	6	R
0361	300866	1 W	Phase C K-Factor	---	0,00	0,01	10	0,1	100	1	1000	---	6	R
0362	300867	1 W	AB/AN Voltage 2nd Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0363	300868	1 W	AB/AN Voltage 3rd Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0364	300869	1 W	AB/AN Voltage 4th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0365	300870	1 W	AB/AN Voltage 5th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0366	300871	1 W	AB/AN Voltage 6th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0367	300872	1 W	AB/AN Voltage 7th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0368	300873	1 W	AB/AN Voltage 8th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0369	300874	1 W	AB/AN Voltage 9th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
036A	300875	1 W	AB/AN Voltage 10th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
036B	300876	1 W	AB/AN Voltage 11th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
036C	300877	1 W	BC/BN Voltage 2nd Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
036D	300878	1 W	BC/BN Voltage 3rd Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
036E	300879	1 W	BC/BN Voltage 4th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
036F	300880	1 W	BC/BN Voltage 5th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0370	300881	1 W	BC/BN Voltage 6th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0371	300882	1 W	BC/BN Voltage 7th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0372	300883	1 W	BC/BN Voltage 8th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0373	300884	1 W	BC/BN Voltage 9th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0374	300885	1 W	BC/BN Voltage 10th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0375	300886	1 W	BC/BN Voltage 11th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0376	300887	1 W	CA/CN Voltage 2nd Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0377	300888	1 W	CA/CN Voltage 3rd Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0378	300889	1 W	CA/CN Voltage 4th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
0379	300890	1 W	CA/CN Voltage 5th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R
037A	300891	1 W	CA/CN Voltage 6th Harmonic	%	0,0	0,1	100	1	---	---	100	---	4	R



**MPR DATA FORMATS**

Format Code	Type	Value	Definition
F2	Integer		<b>Unsigned Integer Value</b> Example: 123 saved as 123
F4	Integer		<b>Unsigned Integer Value with 1 decimals</b> Example: 1.0 saved as 10
F5	Integer		<b>Signed Integer Value with 2 decimals</b> Example: -1.00 saved as -100
F6	Integer		<b>Unsigned Integer Value with 2 decimals</b> Example: 1.00 saved as 100
F7	Floating Point		<b>(4 Byte) Floating Point Value</b>
F10	Integer		<b>Unsigned Integer Access Code Value Register Format</b> Example: 1111 saved as 1111 (only digits 1~9 accepted, digit 0 is NOT ALLOWED)
F32	Integer		<b>Phase Sequence</b>
		0	None
		1	A-B-C
		2	A-C-B
F933	Integer		<b>O/L Curves Definition Format</b>
		0	Class 1
		1	Class 2
		2	Class 3
		3	Class 4
		4	Class 5
		5	Class 6
		6	Class 7
		7	Class 8
		8	Class 9
		9	Class 10
		10	Class 15
		11	Class 20
		12	Class 30
F6401	Integer		<b>System Frequency</b>
		0	50 Hz
		1	60 Hz
F6402	Integer		<b>CT Rating</b>
		0	1.6/0.2
		1	3.2/0.2
		2	6.4/0.2
		3	25/0.2
		4	100/0.2
		5	200/0.2
		6	300/0.2
		7	400/0.2
		8	600/0.2
		9	CUSTOM
F6404	Integer		<b>Connection</b>
		0	Direct 3w
		1	Direct 4w
		2	Wye
		3	Delta
F6406	Integer		<b>Reset TC Mode</b>
		0	Learn
		1	Level
F6407	Integer		<b>Events Enable/Disable</b>
		0	Disable
		1	Enable
F6408	Integer		<b>Unix Timestamp</b>
			This count starts at the Unix Epoch on January 1st, 1970 at UTC
F6409	String		<b>BaudRate Value</b>
		3	9600 Bps
		4	19200 Bps
		5	38400 Bps
		6	57600 Bps
		7	115200 Bps
F6410	String		<b>String</b>
		BLE Name	Allowed characters: &()-/0123456789:ABCDEFGHIJKLMNQRSTUUVWXYZ[]_abcdefghijklmnopqrstuvwxyz
F6411	16 Bits BitMap		<b>Output Relays Status Register</b>
		Bit 0	Aux1 Output Relay { 0 = "De-energized" , 1 = "Energized" }
		Bit 1	Aux2 Output Relay { 0 = "De-energized" , 1 = "Energized" }
		Bit 2	Aux3 Output Relay { 0 = "De-energized" , 1 = "Energized" }
		Bit 3 ~ Bit 15	Not Used

<b>F6412</b>	<b>Integer</b>		<b>Motor Status</b>
		0	Stopped
		1	Starting
		2	Running
		3	Overloaded
		4	Tripped
<b>F6413</b>	<b>Integer</b>		<b>Phases Operation</b>
		0	Any One
		1	Any Two
		2	All Three
<b>F6414</b>	<b>Integer</b>		<b>RS Port Configuration</b>
		2	8N1 (8 bits Data, Parity NONE, 1 bit Stop)
		3	8N2 (8 bits Data, Parity NONE, 2 bit Stop)
		4	8E1 (8 bits Data, Parity EVEN, 1 bit Stop)
		5	8E2 (8 bits Data, Parity EVEN, 2 bit Stop)
		6	8O1 (8 bits Data, Parity ODD, 1 bit Stop)
		7	8O2 (8 bits Data, Parity ODD, 1 bit Stop)
<b>F6416</b>	<b>Integer</b>		<b>Output Relays</b>
		0	---
		1	1--
		2	-2-
		3	12-
		4	--3
		5	1-3
		6	-23
		7	123
<b>F6614</b>	<b>Integer</b>		<b>Output Relays Mode</b>
		0	LATCHED
		1	AUTORESET
<b>F6630</b>	<b>Integer</b>		<b>Events Enable/Disable</b>
		0	Disable
		1	Enable
<b>F7013</b>	<b>Integer</b>		<b>MPR Relays</b>
		0	NONE
		1	AUX1
		2	AUX2
		4	AUX3
<b>F7014</b>	<b>Integer</b>		<b>MPR Trip Relay</b>
		1	AUX1
		2	AUX2
		4	AUX3
<b>F7015</b>	<b>Integer</b>		<b>MPR Out of Service Relay</b>
		0	NONE
		1	AUX1
<b>F7017</b>	<b>Integer</b>		<b>MPR Multiple Starts Time Period</b>
		0	HOUR
		1	DAY
		3	MONTH
<b>F7033</b>	<b>32 Bits BitMap</b>		<b>MPR Model 3 Status Flag Format (F.V &gt;= 1.50)</b>
		Bit 0	UnderVoltage1
		Bit 1	OverVoltage1
		Bit 2	Ground Vectorial
		Bit 3	Ground Zero Sequence
		Bit 4	Current Unbalance
		Bit 5	UnderCurrent
		Bit 6	Setpoint Discrepancy
		Bit 7	Flash Busy
		Bit 8	ADC Failure
		Bit 9	BLE Failure
		Bit 10	RAM Failure
		Bit 11	Check Events
		Bit 12	Phase Reversal
		Bit 13	Mechanical Jam
		Bit 14	Motor Thermal Protection
		Bit 15	Acceleration Time
		Bit 16	Load Increased
		Bit 17	Out of Service
		Bit 18	Power Contact Failure
		Bit 19	Multiple Restart
		Bit 20 ~ Bit 31	Not Used
<b>F7040</b>	<b>Integer</b>		<b>MPR Output Relays Not Operating State</b>
		0	DENERGIZED
		1	ENERGIZED
<b>F7041</b>	<b>Integer</b>		<b>MPR Output Relays Not Operating State</b>
		0	LOCAL
		1	REMOTE 485
		2	REMOTE BLE
		3	REMOTE 485 + BLE

<b>MPR COMMANDS (F7000)</b>			
<b>Command</b>	<b>Label</b>	<b>Password</b>	<b>Preset data</b>
0	No command	no	
1	Clear Energy	Adv	
2	Reset	user	
4	Set BLE Name	Adv	x
5	Set Date and Time	user	x
9	Clear Events	user	
10	Operate Aux1	user	
11	Operate Aux2	user	
12	Operate Aux3	user	
13	Set Access Code	user	x
25	Set k TV	Adv	x
26	Set k TA	Adv	x
27	Set Phi TA	Adv	x
29	Reset Counters	Adv	
30	Reset Mult.Starts Data and Counters	user	
32	Reset Aux1	user	
33	Reset Aux2	user	
34	Reset Aux3	user	

<b>MPR EVENTS (F6415)</b>		
<b>Category</b>	<b>Event</b>	<b>Code</b>
-	Events Clear	1
Voltage Protections	Undervoltage 1	2
Voltage Protections	Overvoltage 1	3
Voltage Protections	Phase Reversal	4
Gnd Current Protections	Gnd Vect Overcurrent	5
Gnd Current Protections	Gnd Zero Sequence Overcurrent	6
Standard Protections	Current Unbalance	7
Standard Protections	Under Current	8
Standard Protections	Mechanical Jam	9
Standard Protections	Load Increased	10
Standard Protections	Thermal Capacity	11
Standard Protections	Acceleration Timer	12
Output Event	Aux1 De-Energized	13
Output Event	Aux2 De-Energized	14
Output Event	Aux3 De-Energized	15
Output Event	Aux1 Energized	16
Output Event	Aux2 Energized	17
Output Event	Aux3 Energized	18
System	Default Setpoint	19
System	Setpoint Stored	20
System	Setpoint Discrepancy	21
System	BLE Failure	22
System	Test BLE	23
System	Password Changed	24
System	Model Changed	25
System	Energy Cleared	26
System	Energy Lost	27
System	Energy Restored	28
System	Motor Data Lost	29
System	Calibration Data Lost	30
System	Status Lost	31
System	Power Loss	32
System	Aux Power Restored	33
System	ADC Failure	34
System	Flash Busy	35
System	Out of Service	36
System	Power Contact Failure	37
System	Aux1 Remote De-Energized	38
System	Aux2 Remote De-Energized	39
System	Aux3 Remote De-Energized	40
System	Aux1 Remote Energized	41
System	Aux2 Remote Energized	42
System	Aux3 Remote Energized	43
Starting Protections	Mult. Starts Prot.	44
System	Starts data Lost	45
System	Starts data Clear	46