

## VFR-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	---	---	---	---	---	---	---	---	63	2		R
0001	300002	1 W	Product Model	---	---	---	---	---	---	---	---	3	2		R
0002	300003	1 W	Version Number	---	---	---	---	---	---	---	---	1,31	6		R
0003	300004	1 W	Product Language	---	---	---	---	---	---	---	---	1	2		R
0004	300005	124 W	Reserved												
0080	400129	1 W	Command Operation Code	---	---	---	---	---	---	---	---	---	6300		W
0081	400130	1 W	Command Password	---	---	---	---	---	---	---	---	---	2		W
0082	400131	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	22 W	Reserved												
00B3	400180	1 W	K TV Preset	---	800	1	---	---	---	---	1200	1000	2	25	R/W
00B4	400181	11 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	1	1	---	---	---	---	1	1	6301		R/W
0103	400260	1 W	Vt Connection	---	2	1	---	---	---	---	3	2	6304		R/W
0104	400261	1 W	Vt Rated Secondary	V	80	1	---	---	---	---	480	100	2		R/W
0105	400262	2 W	Vt Rated Primary	V	80	5	500	50	1000	500	65000	1000	2		R/W
0107	400264	1 W	dF/dT Cycles	---	4	1	---	---	---	---	6	5	2		R/W
0108	400265	1 W	dF/dT Dropout	%	50	1	---	---	---	---	90	80	2		R/W
0109	400266	1 W	Locale/Remote Command	---	0	1	---	---	---	---	3	3	7041		R/W
010A	400267	1 W	Out Of Service Relay	---	0	1	---	---	---	---	1	0	6312		R/W
010B	400268	2 W	Reserved												
010D	400270	1 W	Aux1 Relay Mode	---	0	1	---	---	---	---	0	0	6302		R/W
010E	400271	1 W	Aux2 Relay Mode	---	0	1	---	---	---	---	0	0	6302		R/W
010F	400272	1 W	Aux3 Relay Mode	---	0	1	---	---	---	---	0	0	6302		R/W
0110	400273	1 W	Aux4 Relay Mode	---	0	1	---	---	---	---	0	0	6302		R/W
0111	400274	1 W	Aux5 Relay Mode	---	0	1	---	---	---	---	0	0	6302		R/W
0112	400275	1 W	Aux6 Relay Mode	---	0	1	---	---	---	---	0	0	6302		R/W
0113	400276	1 W	Aux7 Relay Mode	---	0	1	---	---	---	---	0	0	6302		R/W
0114	400277	1 W	Aux8 Relay Mode	---	0	1	---	---	---	---	0	0	6302		R/W
0115	400278	10 W	Reserved												
011F	400288	1 W	Digital Input 1 Function	---	0	1	---	---	---	---	2	0	6310		R/W
0120	400289	1 W	Digital Input 1 Remote Trip Relays	---	0	1	---	---	---	---	255	0	6316		R/W
0121	400290	1 W	Digital Input 2 Function	---	0	1	---	---	---	---	2	0	6310		R/W
0122	400291	1 W	Digital Input 2 Remote Trip Relays	---	0	1	---	---	---	---	255	0	6316		R/W
0123	400292	10 W	Reserved												
012D	400302	1 W	Undervoltage1 Relays	---	0	1	---	---	---	---	255	0	6316		R/W
012E	400303	1 W	Undervoltage 1 Level	%	30	1	---	---	---	---	99	80	2		R/W
012F	400304	1 W	Undervoltage 1 Reset	%	31	1	---	---	---	---	100	85	2		R/W
0130	400305	1 W	Undervoltage 1 Delay	s	0,10	0,01	1	0,1	10	1	600	0,50	6		R/W
0131	400306	1 W	Phases for U/V 1 Operation	---	0	1	---	---	---	---	2	0	6413		R/W
0132	400307	1 W	Minimum Operation Level for U/V 1	%	0	1	---	---	---	---	50	15	2		R/W
0133	400308	1 W	Overvoltage1 Relays	---	0	1	---	---	---	---	255	0	6316		R/W
0134	400309	1 W	Overvoltage 1 Level	%	101	1	---	---	---	---	150	115	2		R/W
0135	400310	1 W	Overvoltage 1 Reset	%	100	1	---	---	---	---	149	110	2		R/W
0136	400311	1 W	Overvoltage 1 Delay	s	0,10	0,01	1	0,1	10	1	600	0,50	6		R/W
0137	400312	1 W	Phases for O/V 1 Operation	---	0	1	---	---	---	---	2	0	6413		R/W
0138	400313	1 W	Phase Reversal Relays	---	0	1	---	---	---	---	255	0	6316		R/W
0139	400314	10 W	Reserved												
0143	400324	1 W	UnderFrequency 1 Relays	---	0	1	---	---	---	---	255	0	6316		R/W
0144	400325	1 W	UnderFrequency 1 Level	Hz	47	0,1	---	---	---	---	59,9	59	4		R/W
0145	400326	1 W	UnderFrequency 1 Reset	Hz	47,1	0,1	---	---	---	---	60	59,2	4		R/W
0146	400327	1 W	UnderFrequency 1 Delay	s	0,1	0,01	1	0,1	10	1	600	0,15	6		R/W
0147	400328	1 W	UnderFrequency 2 Relays	---	0	1	---	---	---	---	255	0	6316		R/W
0148	400329	1 W	UnderFrequency 2 Level	Hz	47	0,1	---	---	---	---	59,9	59	4		R/W
0149	400330	1 W	UnderFrequency 2 Reset	Hz	47,1	0,1	---	---	---	---	60	59,2	4		R/W
014A	400331	1 W	UnderFrequency 2 Delay	s	0,1	0,01	1	0,1	10	1	600	0,15	6		R/W
014B	400332	1 W	UnderFrequency 3 Relays	---	0	1	---	---	---	---	255	0	6316		R/W

014C	400333	1 W	UnderFrequency 3 Level	Hz	47	0,1	---	---	---	---	59,9	59	4	R/W
014D	400334	1 W	UnderFrequency 3 Reset	Hz	47,1	0,1	---	---	---	---	60	59,2	4	R/W
014E	400335	1 W	UnderFrequency 3 Delay	s	0,1	0,01	1	0,1	10	1	600	0,15	6	R/W
014F	400336	1 W	UnderFrequency 4 Relays	---	0	1	---	---	---	---	255	0	6316	R/W
0150	400337	1 W	UnderFrequency 4 Level	Hz	47	0,1	---	---	---	---	59,9	59	4	R/W
0151	400338	1 W	UnderFrequency 4 Reset	Hz	47,1	0,1	---	---	---	---	60	59,2	4	R/W
0152	400339	1 W	UnderFrequency 4 Delay	s	0,1	0,01	1	0,1	10	1	600	0,15	6	R/W
0153	400340	1 W	UnderFrequency 5 Relays	---	0	1	---	---	---	---	255	0	6316	R/W
0154	400341	1 W	UnderFrequency 5 Level	Hz	47	0,1	---	---	---	---	59,9	59	4	R/W
0155	400342	1 W	UnderFrequency 5 Reset	Hz	47,1	0,1	---	---	---	---	60	59,2	4	R/W
0156	400343	1 W	UnderFrequency 5 Delay	s	0,1	0,01	1	0,1	10	1	600	0,15	6	R/W
0157	400344	1 W	UnderFrequency 6 Relays	---	0	1	---	---	---	---	255	0	6316	R/W
0158	400345	1 W	UnderFrequency 6 Level	Hz	47	0,1	---	---	---	---	59,9	59	4	R/W
0159	400346	1 W	UnderFrequency 6 Reset	Hz	47,1	0,1	---	---	---	---	60	59,2	4	R/W
015A	400347	1 W	UnderFrequency 6 Delay	s	0,1	0,01	1	0,1	10	1	600	0,15	6	R/W
015B	400348	1 W	UnderFrequency 7 Relays	---	0	1	---	---	---	---	255	0	6316	R/W
015C	400349	1 W	UnderFrequency 7 Level	Hz	47	0,1	---	---	---	---	59,9	59	4	R/W
015D	400350	1 W	UnderFrequency 7 Reset	Hz	47,1	0,1	---	---	---	---	60	59,2	4	R/W
015E	400351	1 W	UnderFrequency 7 Delay	s	0,1	0,01	1	0,1	10	1	600	0,15	6	R/W
015F	400352	10 W	Reserved											
0169	400362	1 W	OverFrequency 1 Relays	---	0	1	---	---	---	---	255	0	6316	R/W
016A	400363	1 W	OverFrequency 1 Level	Hz	50,1	0,1	---	---	---	---	63	61	4	R/W
016B	400364	1 W	OverFrequency 1 Reset	Hz	50	0,1	---	---	---	---	62,9	60,5	4	R/W
016C	400365	1 W	OverFrequency 1 Delay	s	0,1	0,01	1	0,1	10	1	600	0,15	6	R/W
016D	400366	1 W	OverFrequency 2 Relays	---	0	1	---	---	---	---	255	0	6316	R/W
016E	400367	1 W	OverFrequency 2 Level	Hz	50,1	0,1	---	---	---	---	63	61	4	R/W
016F	400368	1 W	OverFrequency 2 Reset	Hz	50	0,1	---	---	---	---	62,9	60,5	4	R/W
0170	400369	1 W	OverFrequency 2 Delay	s	0,1	0,01	1	0,1	10	1	600	0,15	6	R/W
0171	400370	1 W	OverFrequency 3 Relays	---	0	1	---	---	---	---	255	0	6316	R/W
0172	400371	1 W	OverFrequency 3 Level	Hz	50,1	0,1	---	---	---	---	63	61	4	R/W
0173	400372	1 W	OverFrequency 3 Reset	Hz	50	0,1	---	---	---	---	62,9	60,5	4	R/W
0174	400373	1 W	OverFrequency 3 Delay	s	0,1	0,01	1	0,1	10	1	600	0,15	6	R/W
0175	400374	10 W	Reserved											
017F	400384	1 W	dF/dT 1 Relays	---	0	1	---	---	---	---	255	0	6316	R/W
0180	400385	1 W	dF/dT 1 Level (Negative)	Hz/s	0,6	0,01	---	---	---	---	2	1	6	R/W
0181	400386	1 W	dF/dT 1 Startup	Hz	48	0,1	---	---	---	---	60	59,8	4	R/W
0182	400387	1 W	dF/dT 1 Delay	s	0,1	0,01	---	---	---	---	3	0,15	6	R/W
0183	400388	1 W	dF/dT 2 Relays	---	0	1	---	---	---	---	255	0	6316	R/W
0184	400389	1 W	dF/dT 2 Level (Negative)	Hz/s	0,6	0,01	---	---	---	---	2	1	6	R/W
0185	400390	1 W	dF/dT 2 Start up	Hz	48	0,1	---	---	---	---	60	59,8	4	R/W
0186	400391	1 W	dF/dT 2 Delay	s	0,1	0,01	---	---	---	---	3	0,15	6	R/W
0187	400392	10 W	Reserved											
0191	400402	1 W	System Events Config	---	0	1	---	---	---	---	1	1	6407	R/W
0192	400403	1 W	Input Events Config	---	0	1	---	---	---	---	1	0	6407	R/W
0193	400404	1 W	Output Events Config	---	0	1	---	---	---	---	1	0	6407	R/W
0194	400405	1 W	Voltage Protec. Events Config	---	0	1	---	---	---	---	1	1	6407	R/W
0195	400406	1 W	Frequency Protec. Events Config	---	0	1	---	---	---	---	1	1	6407	R/W
0196	400407	5 W	Reserved											
019B	400412	1 W	Slave Address	---	1	1	---	---	---	---	247	1	2	R/W
019C	400413	1 W	Com (RS-485) Baud Rate	---	3	1	---	---	---	---	7	3	6409	R/W
019D	400414	1 W	Com (RS-485) Configuration	---	2	1	---	---	---	---	7	2	6414	R/W
019E	300415	10 W	Reserved											
01A8	300425	8 W	BLE Device Name	---	---	---	---	---	---	---	---	---	6410	R
01B0	400433	96 W	Reserved											
0210	300529	1 W	K TV	---	800	1	---	---	---	---	1200	1000	2	R
0211	400530	239 W	Reserved											
0300	300769	2 W	VFR Date & Time	---									6408	R
0302	300771	1 W	Reserved											
0303	300772	1 W	Output Relays Status	---	---	---	---	---	---	---	---	---	6311	R
0304	300773	2 W	Pickup Flag	---	---	---	---	---	---	---	---	---	6322	R
0306	300775	2 W	Status Flag	---	---	---	---	---	---	---	---	---	6323	R
0308	300777	1 W	Led Status	---	---	---	---	---	---	---	---	---	6318	R
0309	300778	1 W	Button Status	---	---	---	---	---	---	---	---	---	6619	R
030A	300779	1 W	Input Status	---	---	---	---	---	---	---	---	---	6320	R
030B	300780	5 W	Reserved											
0310	300785	2 W	AB RMS Voltage	V	0,00	0,01	10	0,1	100	1	1000	---	6	R
0312	300787	2 W	BC RMS Voltage	V	0,00	0,01	10	0,1	100	1	1000	---	6	R



**VFR DATA FORMATS**

Format Code	Type	Value	Definition
<b>F2</b>	<b>Integer</b>		<b>Unsigned Integer Value</b> Example: 123 saved as 123
<b>F4</b>	<b>Integer</b>		<b>Unsigned Integer Value with 1 decimals</b> Example: 1.0 saved as 10
<b>F5</b>	<b>Integer</b>		<b>Signed Integer Value with 2 decimals</b> Example: -1.00 saved as -100
<b>F6</b>	<b>Integer</b>		<b>Unsigned Integer Value with 2 decimals</b> Example: 1.00 saved as 100
<b>F7</b>	<b>Floating Point</b>		<b>(4 Byte) Floating Point Value</b>
<b>F10</b>	<b>Integer</b>		<b>Unsigned Integer Access Code Value Register Format</b> Example: 1111 saved as 1111 (only digits 1~9 accepted, digit 0 is NOT ALLOWED)
<b>F32</b>	<b>Integer</b>		<b>Phase Sequence</b>
		0	None
		1	A-B-C
		2	A-C-B
<b>F6301</b>	<b>Integer</b>		<b>System Frequency</b>
		1	60 Hz
<b>F6302</b>	<b>Integer</b>		<b>Output Relays Mode</b>
		0	LATCHED
<b>F6304</b>	<b>Integer</b>		<b>VT Connection</b>
		2	Wye
		3	Delta
<b>F6310</b>	<b>Integer</b>		<b>Digital Input Function</b>
		0	None
		1	Remote Reset
		2	Remote Trip
<b>F6311</b>	<b>16 Bits BitMap</b>		<b>Output Relays Status</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	Aux4 Output Relay { 0 = "De-energized" , 1 = "Energized" }
		Bit 4	Aux5 Output Relay { 0 = "De-energized" , 1 = "Energized" }
		Bit 5	Aux6 Output Relay { 0 = "De-energized" , 1 = "Energized" }
		Bit 6	Aux7 Output Relay { 0 = "De-energized" , 1 = "Energized" }
		Bit 7	Aux8 Output Relay { 0 = "De-energized" , 1 = "Energized" }
		Bit 8 ~ Bit 15	Not Used
<b>F6312</b>	<b>Integer</b>		<b>"Out of Service" Relay</b>
		0	NONE
		1	AUX8
<b>F6316</b>	<b>16 Bits BitMap</b>		<b>Output Relays</b>
		0	-----
		1	1-----
		2	-2-----
		3	12-----
		4	--3-----
		5	1-3-----
		6	-23-----
		7	123-----
		8	---4----
		9	1--4----
		10	-2-4----
		11	12-4----
		12	--34----
		13	1-34----
		14	-234----
		15	1234----
		16	----5---
		17	1---5---
		18	-2--5---
		19	12--5---
		20	--3-5---
		21	1-3-5---
		22	-23-5---
		23	123-5---

		24	---45--
		25	1--45--
		26	-2-45--
		27	12-45--
		28	--345--
		29	1-345--
		30	-2345--
		31	12345--
		32	----6--
		33	1----6--
		34	-2---6--
		35	12---6--
		36	--3--6--
		37	1-3--6--
		38	-23--6--
		39	123--6--
		40	---4-6--
		41	1--4-6--
		42	-2-4-6--
		43	12-4-6--
		44	--34-6--
		45	1-34-6--
		46	-234-6--
		47	1234-6--
		48	----56--
		49	1--56--
		50	-2--56--
		51	12--56--
		52	--3-56--
		53	1-3-56--
		54	-23-56--
		55	123-56--
		56	---456--
		57	1--456--
		58	-2-456--
		59	12-456--
		60	--3456--
		61	1-3456--
		62	-23456--
		63	123456--
		64	-----7-
		65	1-----7-
		66	-2-----7-
		67	12----7-
		68	--3---7-
		69	1-3---7-
		70	-23---7-
		71	123--7-
		72	---4--7-
		73	1--4--7-
		74	-2-4--7-
		75	12-4--7-
		76	--34--7-
		77	1-34--7-
		78	-234--7-
		79	1234---
		80	----5-7-
		81	1--5-7-
		82	-2--5-7-
		83	12--5-7-
		84	--3-5-7-
		85	1-3-5-7-
		86	-23-5-7-
		87	123-5-7-
		88	---45-7-
		89	1--45-7-
		90	-2-45-7-
		91	12-45-7-
		92	--345-7-
		93	1-345-7-
		94	-2345-7-
		95	12345-7-
		96	-----67-
		97	1----67-
		98	-2---67-

		99	12--67-
		100	--3--67-
		101	1-3--67-
		102	-23--67-
		103	123--67-
		104	----4-67-
		105	1--4-67-
		106	-2-4-67-
		107	12-4-67-
		108	--34-67-
		109	1-34-67-
		110	-234-67-
		111	1234-67-
		112	----567-
		113	1---567-
		114	-2--567-
		115	12--567-
		116	--3-567-
		117	1-3-567-
		118	-23-567-
		119	123-567-
		120	---4567-
		121	1--4567-
		122	-2-4567-
		123	12-4567-
		124	--34567-
		125	1-34567-
		126	-234567-
		127	1234567-
		128	-----8
		129	1-----8
		130	-2-----8
		131	12-----8
		132	--3----8
		133	1-3----8
		134	-23----8
		135	123----8
		136	---4---8
		137	1--4---8
		138	-2-4---8
		139	12-4---8
		140	--34---8
		141	1-34---8
		142	-234---8
		143	1234---8
		144	----5--8
		145	1---5--8
		146	-2--5--8
		147	12--5--8
		148	--3-5--8
		149	1-3-5--8
		150	-23-5--8
		151	123-5--8
		152	---45--8
		153	1--45--8
		154	-2-45--8
		155	12-45--8
		156	--345--8
		157	1-345--8
		158	-2345--8
		159	12345--8
		160	-----5-8
		161	1----5-8
		162	-2---5-8
		163	12---5-8
		164	--3--5-8
		165	1-3--5-8
		166	-23--5-8
		167	123--5-8
		168	---4-5-8
		169	1--4-5-8
		170	-2-4-5-8
		171	12-4-5-8
		172	--34-5-8
		173	1-34-5-8

		174	-234-5--8
		175	1234-5--8
		176	----56--8
		177	1---56--8
		178	-2--56--8
		179	12--56--8
		180	--3-56--8
		181	1-3-56--8
		182	-23-56--8
		183	123-56--8
		184	---456--8
		185	1--456--8
		186	-2-456--8
		187	12-456--8
		188	--3456--8
		189	1-3456--8
		190	-23456--8
		191	123456--8
		192	-----78
		193	1-----78
		194	-2-----78
		195	12-----78
		196	--3---78
		197	1-3---78
		198	-23---78
		199	123---78
		200	---4--78
		201	1--4--78
		202	-2-4--78
		203	12-4--78
		204	--34--78
		205	1-34--78
		206	-234--78
		207	1234--78
		208	----5-78
		209	1---5-78
		210	-2--5-78
		211	12--5-78
		212	--3-5-78
		213	1-3-5-78
		214	-23-5-78
		215	123-5-78
		216	---45-78
		217	1--45-78
		218	-2-45-78
		219	12-45-78
		220	--345-78
		221	1-345-78
		222	-2345-78
		223	12345-78
		224	-----678
		225	1----678
		226	-2---678
		227	12---678
		228	--3--678
		229	1-3--678
		230	-23--678
		231	123--678
		232	---4-678
		233	1--4-678
		234	-2-4-678
		235	12-4-0678
		236	--34-678
		237	1-34-678
		238	-234-678
		239	1234-678
		240	----5678
		241	1---5678
		242	-2--5678
		243	12--5678
		244	--3-5678
		245	1-3-5678
		246	-23-5678
		247	123-5678
		248	---45678

		249	1--45678
		250	-2-45678
		251	12-45678
		252	--345678
		253	1-345678
		254	-2345678
		255	12345678
<b>F6318</b>	<b>16 Bits BitMap</b>		<b>Led Status</b>
		Bit 0	STATUS
		Bit 1	TRIP
		Bit 2	MEMORY
		Bit 3 ~ Bit 15	Not Used
<b>F6320</b>	<b>16 Bits BitMap</b>		<b>Digital Input Status</b>
		Bit 0	Digital Input 1{ 0 = "Deactivated" , 1 = "Activated" }
		Bit 1	Digital Input 2{ 0 = "Deactivated" , 1 = "Activated" }
		Bit 2 ~ Bit 15	Not Used
<b>F6322</b>	<b>32 Bits BitMap</b>		<b>Pickup Flags</b>
		Bit 0	UnderVoltage1
		Bit 1	OverVoltage1
		Bit 2	PhaseReversal
		Bit 3	UnderFrequency1
		Bit 4	UnderFrequency2
		Bit 5	UnderFrequency3
		Bit 6	UnderFrequency4
		Bit 7	UnderFrequency5
		Bit 8	UnderFrequency6
		Bit 9	UnderFrequency7
		Bit 10	OverFrequency1
		Bit 11	OverFrequency2
		Bit 12	OverFrequency3
		Bit 13	FrequencyDerivate1
		Bit 14	FrequencyDerivate2
		Bit 25 ~ Bit 31	Not Used
<b>F6323</b>	<b>32 Bits BitMap</b>		<b>Status Flag Format</b>
		Bit 0	UnderVoltage1
		Bit 1	OverVoltage1
		Bit 2	PhaseReversal
		Bit 3	UnderFrequency1
		Bit 4	UnderFrequency2
		Bit 5	UnderFrequency3
		Bit 6	UnderFrequency4
		Bit 7	UnderFrequency5
		Bit 8	UnderFrequency6
		Bit 9	UnderFrequency7
		Bit 10	OverFrequency1
		Bit 11	OverFrequency2
		Bit 12	OverFrequency3
		Bit 13	FrequencyDerivate1
		Bit 14	FrequencyDerivate2
		Bit 15	OutOfService
		Bit 16	SPDiscrepancy
		Bit 17	FlashError
		Bit 18	ADCErrror
		Bit 19	BLEError
		Bit 20	RAMError
		Bit 21	Memory
		Bit 22	CommunicationError
		Bit 23 ~ Bit 31	Not Used
<b>F6407</b>	<b>Integer</b>		<b>Events Enable/Disable</b>
		0	Disable
		1	Enable
<b>F6408</b>	<b>Integer</b>		<b>Unix Timestamp</b>
			This count starts at the Unix Epoch on January 1st, 1970 at UTC
<b>F6409</b>	<b>String</b>		<b>BaudRate Value</b>
		3	9600 Bps
		4	19200 Bps
		5	38400 Bps
		6	57600 Bps
		7	115200 Bps
<b>F6410</b>	<b>String 8W</b>		<b>String</b>
		BLE Name	Allowed characters: &()-./0123456789:ABCDEFGHIJKLMNopqrstuvwxyz[_]_abcdefghijklmnopqrstuvwxyz
<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>F6619</b>	<b>16 Bits BitMap</b>		<b>Button Status</b>
		Bit 0	Down
		Bit 1	Up
		Bit 2	Function
		Bit 3	Enter
		Bit 4	Esc
		Bit 5 ~ Bit 15	Not Used
<b>F7041</b>	<b>Integer</b>		<b>Modbus Command</b>
		0	LOCAL
		1	REMOTE 485
		2	REMOTE BLE
		3	REMOTE 485 + BLE

**VFR COMMANDS  
(F6300)**

<b>Command</b>	<b>Label</b>	<b>Password</b>	<b>Preset data</b>
0	No command	no	
2	Remote Reset	Adv	
4	Set BLE Name	Adv	x
5	Set Date and Time	user	x
9	Clear Events	user	
13	Set Access Code	user	x
25	Set Gain TV	Adv	x
29	Reset Counters	Adv	
32	Operate Aux1	Adv	
33	Operate Aux2	Adv	
34	Operate Aux3	Adv	
35	Operate Aux4	Adv	
36	Operate Aux5	Adv	
37	Operate Aux6	Adv	
38	Operate Aux7	Adv	
39	Operate Aux8	Adv	
40	Reset Aux1	Adv	
41	Reset Aux2	Adv	
42	Reset Aux3	Adv	
43	Reset Aux4	Adv	
44	Reset Aux5	Adv	
45	Reset Aux6	Adv	
46	Reset Aux7	Adv	
47	Reset Aux8	Adv	

VFR EVENTS (F6315)		
Category	Event	Code
-	No Event	0
NO_CATEGORY	Events Clear	1
VOLTAGE_PROT	Undervoltage 1	2
VOLTAGE_PROT	Overvoltage 1	3
VOLTAGE_PROT	Phase Reversal	4
FREQUENCY_PROT	UnderFrequency1	5
FREQUENCY_PROT	UnderFrequency2	6
FREQUENCY_PROT	UnderFrequency3	7
FREQUENCY_PROT	UnderFrequency4	8
FREQUENCY_PROT	UnderFrequency5	9
FREQUENCY_PROT	UnderFrequency6	10
FREQUENCY_PROT	UnderFrequency7	11
FREQUENCY_PROT	OverFrequency1	12
FREQUENCY_PROT	OverFrequency2	13
FREQUENCY_PROT	OverFrequency3	14
FREQUENCY_PROT	FrequencyDerivate1	15
FREQUENCY_PROT	FrequencyDerivate2	16
SYSTEM	Setpoint Discrepancy	17
SYSTEM	Out of Service	18
SYSTEM	Default Setpoint	19
SYSTEM	Setpoint Stored	20
SYSTEM	BLE Failure	21
SYSTEM	Test BLE	22
SYSTEM	Password Changed	23
SYSTEM	Model Changed	24
SYSTEM	Calibration Data Lost	25
SYSTEM	Status Lost	26
SYSTEM	Power Loss	27
SYSTEM	Aux Power Restored	28
SYSTEM	ADC Failure	29
SYSTEM	Flash Busy	30
SYSTEM	Communication Error	31
DIGITAL_INPUT	Digital Input 1 Closed	32
DIGITAL_INPUT	Digital Input 2 Closed	33
SYSTEM	Remote Reset	34
SYSTEM	Remote Trip 1	35
-	-	-
OUTPUT_RELAY	Aux1 De-Energized	37
OUTPUT_RELAY	Aux2 De-Energized	38
OUTPUT_RELAY	Aux3 De-Energized	39
OUTPUT_RELAY	Aux4 De-Energized	40
OUTPUT_RELAY	Aux5 De-Energized	41
OUTPUT_RELAY	Aux6 De-Energized	42
OUTPUT_RELAY	Aux7 De-Energized	43
OUTPUT_RELAY	Aux8 De-Energized	44
OUTPUT_RELAY	Aux1 Energized	45
OUTPUT_RELAY	Aux2 Energized	46
OUTPUT_RELAY	Aux3 Energized	47
OUTPUT_RELAY	Aux4 Energized	48
OUTPUT_RELAY	Aux5 Energized	49
OUTPUT_RELAY	Aux6 Energized	50
OUTPUT_RELAY	Aux7 Energized	51
OUTPUT_RELAY	Aux8 Energized	52
SYSTEM	Aux1 Remote De-Energized	53
SYSTEM	Aux2 Remote De-Energized	54
SYSTEM	Aux3 Remote De-Energized	55
SYSTEM	Aux4 Remote De-Energized	56
SYSTEM	Aux5 Remote De-Energized	57
SYSTEM	Aux6 Remote De-Energized	58
SYSTEM	Aux7 Remote De-Energized	59
SYSTEM	Aux8 Remote De-Energized	60
SYSTEM	Aux1 Remote Energized	61
SYSTEM	Aux2 Remote Energized	62
SYSTEM	Aux3 Remote Energized	63
SYSTEM	Aux4 Remote Energized	64
SYSTEM	Aux5 Remote Energized	65
SYSTEM	Aux6 Remote Energized	66
SYSTEM	Aux7 Remote Energized	67
SYSTEM	Aux8 Remote Energized	68
DIGITAL_INPUT	Digital Input 1 Opened	69
DIGITAL_INPUT	Digital Input 2 Opened	70