BEGIN								ation level parameters (0 - 3999)		
Prm 1	Name Password	#	RangeLO	RangeHI	Default -	R/W W	Eepr	Description Set parameter level to access various parameter ranges. The password	Remarks	Тур
5	HandShakeWrite	1				W		determines which sections are enabled. Host toggles the parameter and may be read from parameter 6		
6 7	HandShakeRead RunCount	1		_		R R/W		This parameter is a copy of parameter #5 Count Starts	Increments every time the unit starts, will overflow to 0	
,	Ruicoun					1011		Count Starts	after 65535, sending a password will clear the counter.	
10	Identification SupplyIdentifier	1	-	-	259	R		A unique number which tells us which supply we have.	Number has NO relation to any output current!	
15 20	BuildNumber Software Version	20	-	-	3300 SAC10P0	R R		A unique number which tells us the compiler build count Returns 10 words, each containing two ASCII characters, giving a 20 chars	Number has NO relation to any output current! Example:	ļ
					102 *180615			string. This string is NOT zero terminated.	** SAC08P0105 **	
30	Software Information	10	-	-	G3 ARM	R		Returns 10 words, each containing two ASCII characters, giving a 20 chars string. This string is NOT zero terminated.		
40	PLD Version	10	-	-	Version	R		Returns 10 words, each containing two ASCII characters, giving a 20 chars		l
50	DSP Version	10	-	-		R		string. This string is NOT zero terminated. Returns 10 words, each containing two ASCII characters, giving a 20 chars	** SAC01L0205 **	
60	PLD2 Version	10	-	-		R		string. This string is NOT zero terminated. Returns 10 words, each containing two ASCII characters, giving a 20 chars	Example:	
								string. This string is NOT zero terminated.	** SAC01L0205 **	
100	Supply Table TableMaxCurrentFwd	1				_		Manual County of		
101	TableMaxCurrentRev	1	-	-		R R		Max allowed forward current Max allowed reverse current		
102	TableMaxRMSCurrent TableMaxVoltageFwd	1	-	-		R R		Max allowed IRMS current Max allowed forward voltage		-
104	TableMaxVoltageRev	1	-	-		R		Max allowed reverse voltage		E
105 106	TableDCLinkVoltage1 TableNrOfOutputs	1	-	-		R R		Primary DC-link Voltage Nr of outputs		-
107 108	TableMaxFwdTime TableMaxRevTime	1		-		R R		Max Forward Time [ms] Max Reverse Time [ms]		L
109	TableMaxDeadTime	1	-	-		R		Max Dead Time [ms]		
110 111	TableMaxHIZTime TableMaxLevels	1	-	-		R R		Max HIZ Time [ms] Maximum allowed current levels		
112	TableDCLinkVoltage2	1	-	-		R		Secondary DC-link Voltage		L
113 114	TableSpare13 TableSpare14	1	-	-		R R				<u> </u>
115	TableSpare15	1	-	-		R				L
	Other parameters									L
200	OperationMode	1	-	-	65280	R/W		The LSbyte puts supply in stop(0), run(1), batch(2), pause(3) or Off(4) mode.	Altering an enable bit in the MSbyte while in running mode will Run/Stop that output instantaneously.	
								(Note: in pause mode, send another pause(3) to continue Micro Batch) The MSbyte enablesRun for 8 outputs bitwise. E.g. 01000000 enables the	Off mode must be enabled in parameter 9300 bit#1. If enabled than the unit's main contactor will be de-	
								Run command of output #7, 10000001 enables Run for outputs #8 and #1	energized immedialtely. If the unit resides in stop(0)	
									mode the mains contactor will de-energize after a time in minutes set by parameter 9301.	L
201	Reset faults Clear status	1	0	1	-	W		Reset supply (and fault registers). Status registers are NOT cleared! Clears status registers. Fault registers are NOT cleared!	Write a '1' to reset. Writing a '0' will be ignored. Write a '1' to clear registers. Writing a '0' will be	H
210	BatchActiveLine	1	0	16		R		Shows which batch line is active. When this value is 0, the batch is not	ignored.	
211	BatchActiveRunTimeH	1	-			R		active. Shows batch actual running time		
212	BatchActiveRunTimeL	1				R		Shows batch actual running time		
213 220	BatchActiveRunType BatchActiveCycle	1	-	-		R R		Shows batch actual running type Shows batch actual cycle (repeat function)	Repeat endless (0), one time (1), two times (2), etc	
250	ActivePatFilename	10	-	-	Empty	R		Actual selected Pattern Filename [text string] Returns 10 words, each containing two ASCII characters, giving a 20 chars string. This string is	Example: "Pat 1.pat"	
260	RAMsegmentTimes	16				R		NOT zero terminated Actual Segmenttimes		
200	Fault&Status registers	10						Florada Deginoriamo		L
300	FaultReg1	1	-		0	R		Reading this registers gives the fault states of the supply.	A fault will cause the supply to stop	
								This is a bit-oriented register where each bit represents an error.		
301	FaultReg2	1	-	-	0	R		Reading this registers gives the fault states of the supply. This is a bit-oriented register where each bit	A fault will cause the supply to stop	
302	FaultReg3	1			0	R		represents an error. Reading this registers gives the fault states of the supply.	A fault will cause the supply to stop	
002	r dan togo				Ü			This is a bit-oriented register where each bit	Triada viii dadoc dio supply to stop	
310	StatusReg1	1	-	-	0	R		represents an error. Reading these register give the status of the supply. This is a bit-oriented	No stop	
								register where each bit represents a status. See datails at end of this document.		
311	StatusReg2	1	-	-	0	R		Reading these register give the status of the supply. This is a bit-oriented register where each bit represents a status. See datails at end of this	No stop	
312	StatusReg3	1	-	-	0	R		document. Reading these register give the status of the supply. This is a bit-oriented	No stop	
								register where each bit represents a status. See datails at end of this		
320	DetailedFaults1	1	-	-	0	R		Hardware Current Trips		L
321 322	DetailedFaults2 DetailedFaults3	1	-	-	0	R R		Software Current Trips Software Voltage Trips		Ł
330	ActivePatternProtection	1	-	-	0	R		Pattern Protection State, 1= protected		F
480	Measured values - 1 IDClinkMeas1	1	0	IDCL		R		Massured primary DC link	x A	
480 481	IDClinkMeas1 VDClinkMeas1	1	0	VDCL	-	R R		Measured primary DC link Measured primary DC link Voltage	x A x.xx V	L
483	IDClinkMeas2	1	0	IDCL	-	R		Measured secundary DC link Current	хA	Ł
484	VDClinkMeas2	1	0	VDCL	-	R		Measured secundary DC link Voltage	x.xx V	F
486	Dclinks	1	1	2	-	R		Amount of DC links		Þ
490	ControlVoltageMeasPos	1	-	-	-	R		Measured unstabilized positive control voltage supply	xxx.xx V	t
491	ControlVoltageMeasNeg	1	-	-	-	R		Measured unstabilized negative control voltage supply	xx.xx V	H
										H
550	Output values - 1 LoopModesFwd	8	-			R		8bit register (b7b0) for each output indicating the LoopMode for the		F
		8		-	-			corresponding Forward segment (1=current, 0=voltage)		
560	LoopModesRev	ő	-	-	-	R		8bit register (b7b0) for each output indicating the LoopMode for the corresponding Reverse segment (1=current, 0=voltage)		L
	Logging parameters							Special for fast datalogging		b
600 650	LogBatchActiveLine LogOperationMode	1				R R		See parameter 210 See parameter 200		F
651 652	LogFaultReg1 LogFaultReg2	1				R R		See parameter 300 See parameter 301		F
653	LogFaultReg3	1				R		See parameter 302		F
654 655	LogStatusReg1 LogStatusReg2	1				R		See parameter 310 See parameter 311		L
656 660	LogStatusReg3 LogAhFwd.H	1				R R		See parameter 312 See parameter 2500 LogAhFwd_x.H, x=1, output 1	x=18,depending on prm 700 LogSegmentOutputSel	1
661	LogAhFwd.L	1				R		See parameter 2501 LogAhFwd_x.L, x=1, output 1	x=18,depending on prm 700 LogSegmentOutputSel	İ
662	LogAhRev.H	1				R		See parameter 2502 LogAhRev_x.H, x=1, output 1	x=18,depending on prm 700 LogSegmentOutputSel	İ
663	LogAhRev.L	1				R		See parameter 2503 LogAhRev_x.L, x=1, output 1	x=18,depending on prm 700 LogSegmentOutputSel	H
680	LogActivePatternProtecti	1				R		See parameter 330		H
	on Total							•		1
700	LogSegmentOutputSel	1	1	8	1	R/W		Selection for the output that must be logged	note: only 1 output can be logged	L
710	LogSegmentOutputSel LogSegmentMeasValue	48	0	0	-	R/W R		To retrieve segments, select output (e.g. 3):	note: only 1 output can be logged	1
								710 LogSegment1MeasCurOut3 711 LogSegment1MeasVolOut3		
	1							712 LogSegment1MeasPwmOut3 713 LogSegment2MeasCurOut3		Ì
			i .	l	ĺ			714 LogSegment2MeasVolOut3		1
								715 LogSegment2MeasPwmQut3		
								715 LogSegment2MeasPwmOut3 () 745 LogSegment16MeasCurOut3		

25/11/2015 Page 1 / 7

							747 LogSegment16MeasPwmOut3	1	
	TemperatureBoards								
800	TBselect	1			1	R/W	Select Temperature Board 163	Temperature Board may be a power board or a Safe	
801	TBcount	1				R	Amount of installed temperature boards	Guard PCB	
809 810	TBidentifier TBstatus	1				R	Temperature Board Identifier Temperature Board Status		
811	TBtemperature	6				R	Measured temperature 1 in centigrade of selected temperature board x10	Accuracy 1 decimal e.g. read 500= 50.0 centigrade	
820	TBdigitalin	1				R	Bitwise status of digital inputs of Safe Guard Board		
821 830	TBsensorType TBsoftwareVersion	6 10				R R	Choose sensor type Software version of selected temperature board	0=NTC, 1=PT100, 2=Raw AD value Example SAX02Pxxyy *ddmmyy	
	Measured values - 2								
1000	CurrentMeasFwd1 CurrentMeasRev1	8	0	Imax Imax	-	R R	Measured Current forward of output 1, level 1 to 8 Measured Current reverse of output 1, level 1 to 8	Measured Current indexed by level	f f
1040	CurrentMeasFwd2	8	0	Imax	-	R	Measured Current forward of output 2, level 1 to 8	Curent value [A] or Current Density value [A/dm ²]	f
1060 1080	CurrentMeasRev2 CurrentMeasFwd3	8	0	Imax Imax	-	R	Measured Current reverse of output 2, level 1 to 8 Measured Current forward of output 3, level 1 to 8	depending on setting: MeasuredCurrentOutputMode (prm 4450)	f
1100 1120	CurrentMeasRev3 CurrentMeasFwd4	8	0	Imax	-	R R	Measured Current reverse of output 3, level 1 to 8		f
1140	CurrentMeasRev4	8	0	Imax Imax		R	Measured Current forward of output 4, level 1 to 8 Measured Current reverse of output 4, level 1 to 8	Formatted parameter, see for detailed informaton notes 4), 5), 6) and 7) on 'Manager' Worksheet	f
1160 1180	CurrentMeasFwd5 CurrentMeasRev5	8	0	Imax Imax	-	R R	Measured Current forward of output 5, level 1 to 8 Measured Current reverse of output 5, level 1 to 8	,,,,,===,=============================	f
1200	CurrentMeasFwd6	8	0	lmax	-	R	Measured Current forward of output 6, level 1 to 8		f
1220 1240	CurrentMeasRev6 CurrentMeasFwd7	8	0	lmax lmax	-	R R	Measured Current reverse of output 6, level 1 to 8 Measured Current forward of output 7, level 1 to 8	-	f f
1260	CurrentMeasRev7	8	0	Imax	-	R	Measured Current reverse of output 7, level 1 to 8		f
1280 1300	CurrentMeasFwd8 CurrentMeasRev8	8	0	Imax Imax	- :	R R	Measured Current forward of output 8, level 1 to 8 Measured Current reverse of output 8, level 1 to 8	+	f f
							•		
1500 1520	VoltageMeasFwd1 VoltageMeasRev1	8	0	Vmax Vmax		R	Measured Voltage forward of output 1, level 1 to 8 Measured Voltage reverse of output 1, level 1 to 8	Voltages indexed by level	f
1540	VoltageMeasFwd2	8	0	Vmax	-	R	Measured Voltage forward of output 2, level 1 to 8	e.g.: value 03000 means 030.00V	f
1560 1580	VoltageMeasRev2 VoltageMeasFwd3	8	0	Vmax Vmax	-	R	Measured Voltage reverse of output 2, level 1 to 8 Measured Voltage forward of output 3, level 1 to 8	-	f f
1600	VoltageMeasRev3	8	0	Vmax	-	R	Measured Voltage reverse of output 3, level 1 to 8]	f
1620 1640	VoltageMeasFwd4 VoltageMeasRev4	8	0	Vmax Vmax	-	R	Measured Voltage forward of output 4, level 1 to 8 Measured Voltage reverse of output 4, level 1 to 8	<u> </u>	f f
1660	VoltageMeasFwd5	8	0	Vmax		R	Measured Voltage forward of output 5, level 1 to 8	-	f
1680 1700	VoltageMeasRev5 VoltageMeasFwd6	8	0	Vmax Vmax	-	R	Measured Voltage reverse of output 5, level 1 to 8 Measured Voltage forward of output 6, level 1 to 8	-	f f
1720	VoltageMeasRev6	8	0	Vmax	-	R	Measured Voltage reverse of output 6, level 1 to 8]	f
1740 1760	VoltageMeasFwd7 VoltageMeasRev7	8	0	Vmax Vmax	-	R	Measured Voltage forward of output 7, level 1 to 8 Measured Voltage reverse of output 7, level 1 to 8	_	f
1780	VoltageMeasFwd8	8	0	Vmax	-	R R	Measured Voltage forward of output 8, level 1 to 8]	f
1800	VoltageMeasRev8	8	0	Vmax		rt	Measured Voltage reverse of output 8, level 1 to 8		f
2000	Output values - 2 PwmFwd1	8	0	MaxPwm		R/W	Dum Value forward of output 4 Javal 4 to 9	Pwm values indexed by level	f
2020	PwmRev1	8	0	MaxPwm	-	R/W	Pwm Value forward of output 1, level 1 to 8 Pwm Value reverse of output 1, level 1 to 8	PWIII Values indexed by level	f
2040	PwmFwd2 PwmRev2	8	0	MaxPwm MaxPwm	-	R/W R/W	Pwm Value forward of output 2, level 1 to 8 Pwm Value reverse of output 2, level 1 to 8	-	f f
2080	PwmFwd3	8	0	MaxPwm	-	R/W	Pwm Value forward of output 3, level 1 to 8		f
2100 2120	PwmRev3 PwmFwd4	8	0	MaxPwm MaxPwm	-	R/W R/W	Pwm Value reverse of output 3, level 1 to 8 Pwm Value forward of output 4, level 1 to 8	-	f
2140	PwmRev4	8	0	MaxPwm	-	R/W	Pwm Value reverse of output 4, level 1 to 8		f
2160 2180	PwmFwd5 PwmRev5	8	0	MaxPwm MaxPwm	-	R/W R/W	Pwm Value forward of output 5, level 1 to 8 Pwm Value reverse of output 5, level 1 to 8	-	f
2200	PwmFwd6	8	0	MaxPwm	-	R/W	Pwm Value forward of output 6, level 1 to 8		f
2220	PwmRev6	8	0	MaxPwm	_				f
					-	R/W	Pwm Value reverse of output 6, level 1 to 8	4	
2240 2260	PwmFwd7 PwmRev7	8	0	MaxPwm MaxPwm	-	R/W R/W	Pwm Value reverse of output 6, level 1 to 8 Pwm Value forward of output 7, level 1 to 8 Pwm Value reverse of output 7, level 1 to 8		f
2260 2280	PwmRev7 PwmFwd8	8	0 0 0	MaxPwm MaxPwm MaxPwm		R/W R/W R/W	Pwm Value forward of output 7, level 1 to 8 Pwm Value reverse of output 7, level 1 to 8 Pwm Value forward of output 8, level 1 to 8		f f f
2260	PwmRev7 PwmFwd8 PwmRev8	8 8	0	MaxPwm MaxPwm	-	R/W R/W	Pwm Value forward of output 7, level 1 to 8 Pwm Value reverse of output 7, level 1 to 8		f f
2260 2280	PwmRev7 PwmFwd8	8 8	0 0 0	MaxPwm MaxPwm MaxPwm	-	R/W R/W R/W	Pwm Value forward of output 7, level 1 to 8 Pwm Value reverse of output 7, level 1 to 8 Pwm Value forward of output 8, level 1 to 8		f f f
2260 2280 2300 2500	PwmRev7 PwmFwd8 PwmRev8 Ampere Hour Parameters AhFwd1.H	8 8 8	0 0 0 0	MaxPwm MaxPwm MaxPwm	-	R/W R/W R/W R/W	Pwm Value forward of output 7, level 1 to 8 Pwm Value reverse of output 7, level 1 to 8 Pwm Value forward of output 8, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 AmpHour forward (high word) of output 1		f f f
2260 2280 2300	PwmRev7 PwmFwd8 PwmRev8 Ampere Hour Parameters	8 8 8	0 0 0	MaxPwm MaxPwm MaxPwm	-	R/W R/W R/W R/W	Pwm Value forward of output 7, level 1 to 8 Pwm Value reverse of output 7, level 1 to 8 Pwm Value forward of output 8, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 AmpHour forward (high word) of output 1 AmpHour forward (low word) of output 1		f f f
2260 2280 2300 2500 2501	PwmRev7 PwmFwd8 PwmRev8 Ampere Hour Parameters AhFwd1.H AhFwd1.L	8 8 8	0 0 0 0 0	MaxPwm MaxPwm MaxPwm MaxPwm	-	R/W R/W R/W R/W R/W	Pwm Value forward of output 7, level 1 to 8 Pwm Value reverse of output 7, level 1 to 8 Pwm Value forward of output 8, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 AmpHour forward (high word) of output 1		f f f
2260 2280 2300 2500 2501 2502 2503 2510	PwmRev7 PwmFwd8 PwmRev8 Ampere Hour Parameters AhFwd1.H AhFwd1.L AhRev1.H AhRev1.L AhFwd2.H	8 8 8 1 1 1 1	0 0 0 0 0	MaxPwm MaxPwm MaxPwm MaxPwm	-	R/W R/W R/W R/W R/W R/W R/W	Pwm Value forward of output 7, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 Pwm Value forward of output 8, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 AmpHour forward (high word) of output 1 AmpHour forward (high word) of output 1 AmpHour reverse (high word) of output 1 AmpHour reverse (low word) of output 1 AmpHour reverse (low word) of output 1 AmpHour forward (high word) of output 1		f f f
2260 2280 2300 2500 2501 2502 2503 2510 2511	PwmRev7 PwmFwd8 PymRev8 Ampere Hour Parameters AhFwd1.H AhFwd1.L AhRev1.L AhRev1.L AhFwd2.H AhFwd2.H	8 8 8 1 1 1 1 1	0 0 0 0 0	MaxPwm MaxPwm MaxPwm MaxPwm	-	R/W R/W R/W R/W R/W R/W R/W R R R R R R	Pwm Value forward of output 7, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 AmpHour forward (high word) of output 1 AmpHour forward (low word) of output 1 AmpHour reverse (high word) of output 1 AmpHour reverse (low word) of output 1 AmpHour forward (high word) of output 2 AmpHour forward (high word) of output 2 AmpHour forward (low word) of output 2		f f f
2280 2280 2300 2500 2501 2502 2503 2510 2511 2512	PwmRev7 PwmFwd8 PwmRev8 Ampere Hour Parameters AhFwd1.H AhFwd1.L AhRev1.H AhRev1.L AhFwd2.H	8 8 8 1 1 1 1	0 0 0 0	MaxPwm MaxPwm MaxPwm MaxPwm	-	R/W R/W R/W R/W R/W R/W R/W	Pwm Value forward of output 7, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 Pwm Value forward of output 8, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 AmpHour forward (high word) of output 1 AmpHour forward (high word) of output 1 AmpHour reverse (high word) of output 1 AmpHour reverse (low word) of output 1 AmpHour reverse (low word) of output 1 AmpHour forward (high word) of output 1		f f f
2280 2280 2300 2500 2501 2502 2503 2510 2511 2512 2513	PwmRev7 PwmFev8 PwmRev8 Ampere Hour Parameters AhFwd1.H AhRev1.L AhRev1.L AhFwd2.H AhFwd2.H AhFwd2.H	8 8 8 1 1 1 1 1 1 1 1	0 0 0 0	MaxPwm MaxPwm MaxPwm MaxPwm	-	R/W R/W R/W R/W R/W R/W R/W R/W R R R R	Pwm Value forward of output 7, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 AmpHour forward (high word) of output 1 AmpHour forward (low word) of output 1 AmpHour reverse (low word) of output 1 AmpHour reverse (low word) of output 1 AmpHour forward (high word) of output 2 AmpHour forward (low word) of output 2 AmpHour reverse (low word) of output 2 AmpHour reverse (ligh word) of output 2 AmpHour reverse (ligh word) of output 2 AmpHour reverse (ligh word) of output 2 AmpHour reverse (ligh word) of output 2 AmpHour reverse (ligh word) of output 2		f f f
2280 2280 2300 2500 2501 2502 2503 2510 2511 2512 2513 2520 2520	PwmRev7 PwmRev8 PwmRev8 Ampere Hour Parameters AhFwd1.H AhRev1.L AhRev1.L AhRev1.L AhRev2.H AhFwd2.L AhFwd2.L AhRev2.L AhRev2.L AhRev2.L AhRev2.L AhRev2.L AhFwd3.L	8 8 8 1 1 1 1 1 1 1 1 1 1	0 0 0 0	MaxPwm MaxPwm MaxPwm MaxPwm MaxPwm	-	R/W R/W R/W R/W R/W R/W R/W R/R R R R R	Pwm Value forward of output 7, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 AmpHour forward (high word) of output 1 AmpHour forward (low word) of output 1 AmpHour reverse (low word) of output 1 AmpHour reverse (low word) of output 1 AmpHour forward (high word) of output 2 AmpHour forward (low word) of output 2 AmpHour reverse (low word) of output 2 AmpHour forward (high word) of output 2 AmpHour forward (low word) of output 2 AmpHour forward (low word) of output 2 AmpHour forward (low word) of output 3 AmpHour forward (low word) of output 3 AmpHour forward (low word) of output 3		f f f
2280 2280 2300 2501 2502 2503 2510 2511 2512 2513 2520 2521 2521	PwmRev7 PwmRev8 PwmRev8 Ampere Hour Parameters AlF-wd1 H. AlF-wd1 L. AlFwd1 L. AhF-wd2 L. AhF-wd2 L. AhF-wd2 L. AhF-wd2 L. AhF-wd3 L. AhF-wd3 H. AhF-wd3 H. AhF-wd3 L.	8 8 8 1 1 1 1 1 1 1 1	0 0 0 0	MaxPwm MaxPwm MaxPwm MaxPwm MaxPwm	-	R/W R/W R/W R/W R/W R/W R/W R/W R/R R R R	Pwm Value forward of output 7, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 AmpHour forward (high word) of output 1 AmpHour reverse (high word) of output 1 AmpHour reverse (high word) of output 1 AmpHour reverse (low word) of output 1 AmpHour reverse (high word) of output 2 AmpHour reverse (high word) of output 2 AmpHour reverse (high word) of output 2 AmpHour reverse (low word) of output 2 AmpHour reverse (low word) of output 2 AmpHour reverse (low word) of output 2 AmpHour reverse (low word) of output 2 AmpHour forward (high word) of output 2 AmpHour forward (high word) of output 3		f f f
2260 2280 2300 2500 2501 2502 2503 2511 2512 2513 252 252 2523	PwmRev7 PwmRev8 PwmRev8 Ampere Hour Parameters AliFwd1 H. AliFwd1 L. AliRev1 H. AhFwd2 L. AhRev2 L. AhRwd2 H. AhRwd2 L. AhRwd2 L. AhRwd3 H. AhRwd3 H. AhRwd3 H. AhRwd3 L. AhRwd3 L. AhRwd3 L. AhRwd3 L. AhRwd3 L.	8 8 8 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0	MaxPwm MaxPwm MaxPwm MaxPwm MaxPwm	-	R/W R/W R/W R/W R/W R/W R/W R/R R R R R	Pwm Value forward of output 7, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 Pwm Value forward of output 8, level 1 to 8 Pwm Value reverse of output 8, level 1 to 8 AmpHour forward (high word) of output 1 AmpHour reverse (ling word) of output 1 AmpHour reverse (low word) of output 1 AmpHour reverse (low word) of output 1 AmpHour forward (ling word) of output 1 AmpHour forward (low word) of output 2 AmpHour forward (low word) of output 2 AmpHour forward (low word) of output 2 AmpHour forward (low word) of output 2 AmpHour reverse (ling word) of output 2 AmpHour reverse (ling word) of output 3 AmpHour forward (high word) of output 3 AmpHour reverse (ling word) of output 3 AmpHour reverse (ling word) of output 3 AmpHour reverse (ling word) of output 3 AmpHour reverse (ling word) of output 3 AmpHour reverse (ling word) of output 3		f f f
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END
Eepr field: An * indicates that this parameter is stored in the external eeprom

IF Max forward current
IR Max reverse current
VF Max forward voltage
VR Max reverse voltage
MaxPwm See service prms

Type: i: means initialized RAM array variable c: means array initialized in code space f means: tar variable r means: variable in normal RAM s means: variable is of special type

25/11/2015 Page 2 / 7

								Manager level parameters (4000 - 7999)			
	Name	#	RangeLO		Default	R/W	Eepr	Description Communication address	Remarks	Type	DSP
4000 4001	Address Baudrate1	1	1 0	247 4	1	R/W R/W	•	Communication address Communication baudrate of PORT1			
4002	Baudrate2	1	0	4	1	R/W		0=9600,1=19200,2=38400,3=57600,4=115200 Communication baudrate of PORT2			
4010	Post Silent Interval	1	0	250	0	R/W		0=9600,1=19200,2=38400,3=57600,4=115200 Modbus specifies a 3.5 x character time delay before starting to send after the			
4010	Factor1			200	Ů	1011		and of the message. The UART of the supply will make this silent interval 3.5- 4.5 times the character time. This time may be increased to make the RS485			
								communication work with a PC which is not guaranteed to meet the specified			
								time. each unit means 1ms extension. This is for PORT1			
4011	Post Silent Interval Factor2	1	0	250	0	R/W	•	Modbus specifies a 3.5 x character time delay before starting to send after the end of the message. The UART of the supply will make this silent interval 3.5			
								4.5 times the character time. This time may be increased to make the RS485 communication work with a PC which is not guaranteed to meet the specified			
								time. each unit means 1ms extension. This is for PORT2			
	PatternData - 1										
4050 4051	ForwardTime ReverseTime	1	0	56000 56000	0	R/W R/W		0.56000us 0.56000us	Set forward time directly of a simple Fwd/Rev pattern Set reverse time directly of a simple Fwd/Rev pattern		
4055	ForwardCurrent	4	0	IF	0	R/W		Allowed maximum forward current of unit [A], index is output	Set forward current directly of a simple Fwd/Rev pattern resolution 1A		
4060	ReverseCurrent	4	0	IR	0	R/W		Allowed maximum reverse current of unit [A], index is output	Set reverse current directly of a simple Fwd/Rev pattern resolution 1A		
4070 4075	PatternProtection AhTimer1Prescaler	1	0	256	0 256	R/W R/W	•	0= Allow pattern info to be read, 1= Disable reading of pattern 8 bits pre-scaler for the first Ah timer	Set value prescaler for AhTimer1, Ah is scaled by X/256, X ranges from	e e	
4076	AhTimer2Prescaler	1	0	256	256	R/W		8 bits pre-scaler for the second Ah timer	1255 and is this parameter, 0 is no scaling Set value prescaler for AhTimer1, Ah is scaled by X/256, X ranges from	е	
4077	PseudoSyncDelay	1	-	-	0	R/W		Pseudo-Synchronization Delay in micro seconds	1255 and is this parameter, 0 is no scaling Value > 0 activates pseudo plating mode.		
4080 4170	PatFilename SegmentTimes	10 16	0	MaxSeg	0x3232	R/W R/W	•	Pulse Pattern Filename Segments 116 (time and polarity)	See explanation below	f	
4190	PatReadCommand	1	0	MaxBatchLi nes	0	W		Select which PatternSet to read from eeprom	0 = Memory, 1BatchLineCount is eeprom. The BatchSelect parameter must be set first to select the pattern set		
4191	PatWriteCommand	1	0	MaxBatchLi	0	W		Select place to store pattern set	The BatchSelect parameter must be set first to select the pattern set		
4192	PatCount	1	0	nes MaxBatchLi	0	R/W		Number of stored patterns			
4195	PatSelect	1	0	nes MaxBatchLi	0	R/W		Pattern Selection, the selection of a preloaded pattern.	This command activates the selected pattern. The BatchSelect parameter		
				nes					must be set first to select the pattern set		_
4200	MicroBatch BatchPatternNo	1	1	MaxBatchLi		R/W		Select PatternSet to use for batch line			
4201	BatchRunTime.H	1		nes		R/W		Running time H word			
4202 4203	BatchRunTime.L BatchRunningType	1	0	5	-	R/W R/W	•	Running time L word Running type, batch will go to next batch line after time (0), external input	0=Time, 1=StepRisingEdge, 2=StepFallingEdge, 3=AhFwd, 4=AhRev,		
4203	Sacritaining rype		U	3		IV/VV		change (1,2), amp. hours (3,4)	U=1 ime, 1=StepkisingEdge, 2=StepFallingEdge, 3=AnFwd, 4=AnRev, 5=PatternCycles		
4204	BatchRampTime	1	0	1000	-	R/W	•	Ramptime in percentage of set-current per second	0 = disabled 0100.0%/s is percentage of current parms 60006300. e.g. let CurrentSetFwd1=750A (parm6000) then if this parm is set at 50.0%/s (500)		
4205	Ratch Darcontons	1	0	4000	1000	DAM		Adjusts percentage of output currents for all outputs	the current will be ramped with 375A/s		
4205 4210	BatchPercentage BatchLineRead	1	1	1000 BatchLineCo	1000	R/W W		Adjusts percentage of output currents for all outputs Select which batch line to read/write	01000 means 0100.0% (one decimal accuracy)		
4211	BatchLineWrite	1	1	unt BatchLineCo	1	W		Select place to store Batch Line			
4212	BatchLineCount	1	1	unt MaxBatchLi	0	R/W		Set number of used batch rows			
4220	BatchCycles	1	-	nes -	1	R/W		The batch set will be repeated n times after processing the last batch line.	Repeat endless (0), one time (1), two times (2), etc		
		1	1	E0.	3	DAM		(n=165535 times)			
4251	MaxBatchSets MaxBatchLines	1	1	50 50	16	R/W R/W	•	Read or Write maximum amount of Batch Sets Read or Write maximum amount of lines in a Batch Set	MaxBatchSets * MaxBatchLines may not exceed 50 MaxBatchSets * MaxBatchLines may not exceed 50 This is a second of the second of		
4252	BatchSelect	1	1	MaxBatchSe ts	1	R/W		Batch Selection, the selection of a preloaded Batch Set.	This command activates the selected Batch Set.		
4260	BatchFilename	10				R/W		Filename of the Batch Set selected by BatchSelect			
4330	LoopSpeeds PwmLoopStepClip	1	1	500	20	R/W		Pwm control step increment max clip level			A055
4360 4361	IshiftStepMul IshiftStepDiv	1	0	10 10	0 4	R/W R/W	•	Pwm multiplier (shift left) factor Current Control loop Pwm division (shift right) factor Current Control loop			A070 A071
											4072
4370	VshiftStepMul VshiftStepDiv	1	0	10	0	R/W R/W	•	Pwm multiplier (shift left) factor Voltage Control loop Pwm division (shift right) factor Voltage Control loop			
4370	VshiftStepMul VshiftStepDiv MeasFiltFact	1 1	0	10 10 3	0 4 3	R/W R/W R/W	•	Pwm multiplier (shift left) factor Voltage Control loop Pwm division (shift right) factor Voltage Control loop Measured Current/Voltage moving filter shift value		,	A073 A074
4370 4371 4380	VshiftStepDiv MeasFiltFact Other parameters	1	0	10	4	R/W R/W	•	Pwm division (shift right) factor Voltage Control loop Measured Current/Voltage moving filter shift value	A status hit will about if looding defectly in ording	,	4073
4370 4371 4380 4400 4401	VshiftStepDiv MeasFiltFact Other parameters LoadDefaults ClearAmphour	1 1 1	0	10	4	R/W R/W W	•	Pwm division (shift right) factor Voltage Control loop Measured Current/Voltage moving filter shift value Load default values into memory Clear AmpHour counters	A status bit will show if loading defaults is active Mask: bit0=Fwd1, bit1=Fwd1 etc.	,	4073
4370 4371 4380 4400 4401 4402	VshiftStepDiv MeasFiltFact Other parameters LoadDefaults ClearAmphour ClearAmphourScaled	1 1 1 1	0 0	3		R/W R/W W W	*	Pwm division (shift right) factor Voltage Control loop Meesured Current/Voltage moving filter shift value Load default values into memory Clear AmpHour counters Clear Scaled AmpHour counters	Mask: bit0=Fwd1, bit1=Rev1 etc. Mask: bit0=Fwd1, bit1=Rev1 etc.upto output 2 (total 4 bits)	,	4073
4370 4371 4380 4400 4401	VshiftStepDiv MeasFiltFact Other parameters LoadDefaults ClearAmphour	1 1 1	0	10	4	R/W R/W W	*	Pwm division (shift right) factor Voltage Control loop Measured Current/Voltage moving filter shift value Load default values into memory Clear AmpHour counters	Mask: bit0=Fwd1, bit1=Rev1 etc. Mask: bit0=Fwd1, bit1=Rev1 etc.upto output 2 (total 4 bits) O=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out,	,	4073
4370 4371 4380 4400 4401 4402 4410	VshiftStepDiv MeasFiltFact Other parameters LoadDefaults ClearAmphour ClearAmphourScaled	1 1 1 1	0 0	3		R/W R/W W W	* * * * * * * * * * * * * * * * * * * *	Pwm division (shift right) I actor Voltage Control loop Measured Current/Voltage moving filter shift value Load default values into memory Clear AmpHour counters Clear Scaled AmpHour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board	Mask: bit0=Fwd1, bit1=Rev1 etc. Mask: bit0=Fwd1, bit1=Rev1 etc.upto output 2 (total 4 bits) Oofft, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan Oofft, 1=On, 2=AulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current	,	4073
4370 4371 4380 4400 4401 4402 4410	VshiftStepDiv MeasFiltFact Other parameters LoadDefaults ClearAmphour ClearAmphourScaled AuxRelay21	1 1 1 1 1	- - - 0	10 3	3	R/W R/W W W R/W	*	Pwm division (shift right) I actor Voltage Control loop Measured Current/Voltage moving filter shift value Load default values into memory Clear Amphour counters Clear Scaled Amphour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication	Masi: bitlo=Fwd1, bit1=Rev1 etc. Masi: bitlo=Fwd1, bit1=Rev1 etc.upto output 2 (total 4 bits) O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep O=Off, 1=On, 2=OhStrokeTimer, 7=SupplyReady, 8=BatchStep O=Off, 1=On, 2=OhStrokeTimer, 7=SupplyReady, 8=BatchStep O=Off, 1=OhStrokeTimer, 7=SupplyReady, 8=BatchStep O=Off, 1=OhStep O=Off	,	4073
4370 4371 4380 4400 4401 4402 4410	VshiftStepDiv MeasFiltFact Other parameters LoadDefaults ClearAmphour ClearAmphourScaled AuxRelay21	1 1 1 1 1	- - - 0	10 3	3	R/W R/W W W R/W	*	Pwm division (shift right) I actor Voltage Control loop Measured Current/Voltage moving filter shift value Load default values into memory Clear AmpHour counters Clear Scaled AmpHour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication	Mask: bit0=Fwd1, bit1=Rev1 etc. Mask: bit0=Fwd1, bit1=Rev1 etc.ppt output 2 (total 4 bits) 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer, 21.0=Fan 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer, 21.0=Fan 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 5=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current	,	4073
4370 4371 4380 4400 4401 4402 4410 4411	VshiftStepDiv MeasFiltFact Other parameters Load/Defaults ClearAmphour ClearAmphour ClearAmphour AuxRelay21 AuxRelay22 AuxRelay23	1 1 1 1 1 1	0 0 0	10 3 - - 10 10	3 3 4	R/W R/W W W R/W	*	Pwm division (shift right) I actor Voltage Control loop Measured Current/Voltage moving filter shift value Load default values into memory Clear AmpHour counters Clear Scaled AmpHour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board	Mask: bit0=Fwd1, bit1=Rev1 etc. Mask: bit0=Fwd1, bit1=Rev1 etc.ppto output 2 (total 4 bits) 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan	,	4073
4370 4371 4380 4400 4401 4402 4410	VshiftStepDiv MeasFiltFact Other parameters LoadDefaults ClearAmphour ClearAmphourScaled AuxRelay21 AuxRelay22	1 1 1 1 1	0 0	10 3	3	R/W R/W W W W R/W	*	Pwm division (shift right) I actor Voltage Control loop Measured Current/Voltage moving filter shift value Load default values into memory Clear AmpHour counters Clear Scaled AmpHour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication	Mask: bit0=Fwd1, bit1=Rev1 etc. Mask: bit0=Fwd1, bit1=Rev1 etc.ppt output 2 (total 4 bits) 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer, 7=SupplyReady, 8=BatchStep	,	4073
4370 4371 4380 4400 4401 4402 4410 4411	VshiftStepDiv MeasFiltFact Other parameters Load/Defaults ClearAmphour ClearAmphour ClearAmphour AuxRelay21 AuxRelay22 AuxRelay23	1 1 1 1 1 1	0 0 0	10 3 - - 10 10	3 3 4	R/W R/W W W R/W	•	Pwm division (shift right) I actor Voltage Control loop Measured Current/Voltage moving filter shift value Load default values into memory Clear AmpHour counters Clear Scaled AmpHour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board	Masic bitO=Fwd1, bit1=Rev1 etc. Masic bitO=Fwd1, bit1=Rev1 etc.upto output 2 (total 4 bits) O=Off, 1=On, 2=FautlRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FautlRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FautlRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FautlRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FautlRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current	,	4073
4370 4371 4380 4400 4401 4402 4410 4411 4412 4415	VshiftStepDtv MeasFiltFact Other parameters Load-Defaults ClearAmphour ClearAmphour ClearAmphour ClearAmphour AuxRelay21 AuxRelay22 AuxRelay23 AuxRelay11 AuxRelay12	1 1 1 1 1 1 1 1	0 0 0 0 0 0 0	10 3 - - 10 10 10	3 3 4 4	R/W R/W W W R/W R/W		Pwm division (shift right) I actor Voltage Control loop Measured Current/Voltage moving filter shift value Load default values into memory Clear AmpHour counters Clear Scaled AmpHour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.2 (customer redefinable relay) on first communication board	Mask: bit0=Fwd1, bit1=Rev1 etc. Mask: bit0=Fwd1, bit1=Rev1 etc.ppto output 2 (total 4 bits) 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan	,	4073
4370 4371 4380 4400 4401 4402 4410 4411 4412	VshiftStepDiv MeasFiltPact Other parameters LoadDefaults ClearAmphour ClearAmphour ClearAmphour ClearAmphour AuxRelay21 AuxRelay22 AuxRelay23 AuxRelay11	1 1 1 1 1 1 1 1	0 0 0 0 0 0 0	10 3 - - 10 10 10	3 3 4 2 2 3	R/W R/W W W R/W R/W		Pwm division (shift right) factor Voltage Control loop Measured Current/Voltage moving filter shift value Load default values into memory Clear Amphour counters Clear Scaled AmpHour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #3.3 (customer redefinable relay) on second communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board	Masic bitO=Fwd1, bit1=Rev1 etc. Masic bitO=Fwd1, bit1=Rev1 etc. ypto output 2 (total 4 bits) O=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan	,	4073
4370 4371 4380 4400 4401 4402 4410 4411 4412 4415	VshiftStepDtv MeasFiltFact Other parameters Load-Defaults ClearAmphour ClearAmphour ClearAmphour ClearAmphour AuxRelay21 AuxRelay22 AuxRelay23 AuxRelay11 AuxRelay12	1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 3 - - 10 10 10	3 3 4 4	R/W R/W W W R/W R/W		Pwm division (shift right) I actor Voltage Control loop Measured Current/Voltage moving filter shift value Load default values into memory Clear AmpHour counters Clear Scaled AmpHour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.2 (customer redefinable relay) on first communication board	Mask: bit0=Fwd1, bit1=Rev1 etc. Mask: bit0=Fwd1, bit1=Rev1 etc.ppto output 2 (total 4 bits) 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan	,	4073
4370 4371 4380 4400 4401 4401 4410 4411 4412 4415 4416 4417	VshiftStepDiv MeasFillFact Other parameters LoadDefaults ClearAmphour ClearAmphour ClearAmphour ClearAmphour AuxRelay21 AuxRelay22 AuxRelay23 AuxRelay11 AuxRelay11 AuxRelay12 VoltTripEnable	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 3 - - 10 10 10	4 3 	R/W R/W W W W R/W R/W R/W		Pwm division (shift right) factor Voltage Control loop Measured Current/Voltage moving filter shift value Laad default values into memory Clear Amphour counters Clear Scaled AmpHour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #3.3 (customer redefinable relay) on second communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.2 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board	Masic bitOs-fwd1, bit1-sRvd etc. Masic bitOs-fwd1, bit1-sRvd etc.upto output 2 (total 4 bits) O=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer7, 5=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Disabled, 1=Enabled	,	4073
4370 4371 4380 4400 4401 4401 4410 4411 4412 4415 4416 4417	VshiftStepDiv MeaseFillFact Other parameters Load/Defaults ClearAmphous/Caled AuxRelay21 AuxRelay22 AuxRelay23 AuxRelay11 AuxRelay12 AuxRelay12 AuxRelay13	1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 3 	4 3 	R/W R/W W W W R/W R/W R/W		Pwm division (shift right) factor Voltage Control loop Messured Current/Voltage moving filter shift value Load default values into memory Clear Scaled AmpHour counters Clear Scaled AmpHour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.2 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board	Mask: bit0=Fwd1, bit1=Rev1 etc. Mask: bit0=Fwd1, bit1=Rev1 etc.pup output 2 (total 4 bits) 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan	,	4073
4370 4371 4380 4400 4401 4401 4410 4411 4412 4415 4416 4417	VshiftslepDiv MeasFillFact Other parameters Load/Defaults ClearAmphous ClearAmphous ClearAmphous AuxRelay21 AuxRelay22 AuxRelay23 AuxRelay11 AuxRelay12 AuxRelay12 VoltTripEnable VoltTripEnable VoltTripEnable	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 3 3 	4 3 	R/W R/W W W W R/W R/W R/W R/W		Pwm division (shift right) factor Voltage Control loop Measured Current/Voltage moving filter shift value Laad default values into memory Clear Amphour counters Clear Scaled AmpHour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #3.3 (customer redefinable relay) on second communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Voltage Trip Enable Forward voltage trip level for all outputs Reverse voltage trip level for all outputs Master/Slave selection. Range Check on LSByte only	Masic bit0=Fwd1, bit1=Rev1 etc. Masic bit0=Fwd1, bit1=Rev1 etc. puto output 2 (total 4 bits) 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 1=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Disabled, 1=Enabled xxxv (default 5:50 V) xxvv (default 5:50 V) Msbyte contains the ECM trigger modes: 1:Single pulse, 2:Two	,	4073
4370 4371 4380 4400 4401 4411 4412 4412 4415 4417 4420 4430 4430	VshiftStepDiv MeasFillFact Other parameters LoadDefaults ClearAmphour ClearAmphour ClearAmphour ClearAmphour AuxRelay21 AuxRelay22 AuxRelay23 AuxRelay11 AuxRelay12 AuxRelay13 VoltTripEnable VoltTripFenable VoltTripFwd VoltTripFwd Master ³)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		10 3 	4 3 3 4 2 3 4 4 2 1 650 1300	R/W W W W W W R/W R/W R/W R/W R/W R/W R/		Pwm division (shift right) factor Voltage Control loop Measured Current/Voltage moving filter shift value Load default values into memory Clear Scaled AmpHour counters Clear Scaled AmpHour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Voltage Trip Enable Forward voltage trip level for all outputs Reverse voltage trip level for all outputs	Masic bitO=Fwd1, bit1=RevI etc. Masic bitO=Fwd1, bit1=RevI etc. pulso output 2 (total 4 bits) 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer2, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Disabled, 1=Enabled xxv v. (default 6.50 v)	,	4073
4370 4371 4380 4400 4401 4410 4411 4411 4412 4415 4416 4416 4417	VshiftslepDiv MeaseFiliFact Other parameters Load/Defaults Clear Amphous Clear Amphous Clear Amphous Clear Amphous AuxRelay21 AuxRelay22 AuxRelay23 AuxRelay11 AuxRelay12 AuxRelay13 VoltTripEnable VoltTripEnable VoltTripEnable VoltTripEnable	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 3 3 10 10 10 10 10 10	4 3 3 3 4 2 2 3 4 2 1 650 1300	R/W R/W W W W R/W R/W R/W R/W R/W		Pwm division (shift right) factor Voltage Control loop Measured Current/Voltage moving filter shift value Load default values into memory Clear Amphour counters Clear Scaled Amphour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Voltage Trip Enable Forward voltage trip level for all outputs Reverse voltage trip level for all outputs Master/Slave selectors. Skylve on ly Master/Slave selectors.	Masic bit0=Fwd1, bit1=Rev1 etc. Masic bit0=Fwd1, bit1=Rev1 etc. ypto output 2 (total 4 bits) 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaulfRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Disabled, 1=Enabled xxxv (default 5:50 V) xxvv (default 5:50 V) Msbyte contains the ECM trigger modes: 1:Single pulse, 2:Two	,	4073
4370 4371 4380 4400 4401 4402 4410 4411 4412 4416 4417 4417 4420 4421 4422 4423 4430	VshiftslepDiv MeaseFillFact Other parameters LoadDefaults ClearAmphour	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0	10 3 	4 3 3 4 4 2 2 3 4 4 2 0 0	R/W W W W R/W R/W R/W R/W R/W R/W R/W R/		Pwm division (shift right) factor Voltage Control loop Measured Current/Voltage moving filter shift value Load default values into memory Clear Scaled AmpHour counters Clear Scaled AmpHour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Voltage Trip Enable Forward voltage trip level for all outputs Reverse voltage trip level for all outputs Master/Slave selection. Range Check on LSByte only Master/Slave selection. Range Check on LSByte only Master/Slave selection. Range Check on LSByte only MSByte- Mode LSByte can have cu-Slave, 1=Master, 2-Stand Alone, 3-ECMenter, 4-ECMeden	Mask: bit0=Fwd1, bit1=Rev1 etc. Mask: bit0=Fwd1, bit1=Rev1 etc.ypto output 2 (total 4 bits) 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Disabled, 1=Enabled xxxv (default 13.0 V) xxxv (default 13.0 V) Msbyte contains the ECM trigger modes: 1:Single pulse, 2:Two pulses254 254 Pulses, 255 continuous	,	4073
4370 4371 4380 4400 4401 4402 4410 4411 4412 4416 4416 4417 4421 4422 4430 4431 4432 4433	VshiftstepDiv MeaseFillPact Other parameters LoadDefaults ClearAmphour	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		10 3 	4 3 3 3 4 4 2 2 3 3 4 4 1 1 0 0 0 0	R/W W W W W W W W W W W W W W W W W W W		Pwm division (shift right) factor Voltage Control loop Measured Current/Voltage moving filter shift value Load default values into memory Clear Amphour counters Clear Scaled AmpHour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.2 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Voltage Trip Enable Forward voltage trip level for all outputs Reverse voltage trip level for all outputs Master/Slave selection. Range Check on LSByte only Master/Slave selection. Range Che	Mask: bit0=Fwd1, bit1=Rev1 etc. Mask: bit0=Fwd1, bit1=Rev1 etc.pup output 2 (total 4 bits) 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Disabled, 1=Enabled >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	,	4073
4370 4371 4380 4400 4401 4402 4410 4411 4412 4416 4417 4417 4420 4421 4422 4423 4430	VshiftslepDiv MeaseFillFact Other parameters LoadDefaults ClearAmphour	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0	10 3 	4 3 3 4 4 2 2 3 4 4 2 0 0	R/W W W W R/W R/W R/W R/W R/W R/W R/W R/		Pwm division (shift right) factor Voltage Control loop Measured Current/Voltage moving filter shift value Load default values into memory Clear Scaled AmpHour counters Clear Scaled AmpHour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.2 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Voltage Trip Enable Forward voltage trip level for all outputs Reverse voltage trip level for all outputs Master/Slave selection. Range Check on LSByte only Ma	Masic bitO=Fwd1, bit1=RevI etc. Masic bitO=Fwd1, bit1=RevI etc.upto output 2 (total 4 bits) 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer, 1:0=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer, 1:0=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer, 1:0=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer, 1:0=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer, 1:0=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer, 1:0=Fan 0=Disabled, 1=Enabled xxv v. (default 6:50 v) Abstyte contains the ECM trigger modes: 1:Single pulse, 2:Two pulses254:254 Pulses, 255 continuous 0=Disabled, 1=Enabled bit00 enables check for COM1, bit#1 = enables check for COM2	,	4073
4370 4371 4380 4400 4401 4402 4410 4411 4412 4416 4416 4417 4421 4422 4430 4431 4432 4433	VshiftstepDiv MeaseFillPact Other parameters LoadDefaults ClearAmphour	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0	10 3 	4 3 3 3 4 4 2 2 3 3 4 4 1 1 0 0 0 0	R/W W W W W W W W W W W W W W W W W W W		Pwm division (shift right) factor Voltage Control loop Measured Current/Voltage moving filter shift value Laad default values into memory Clear Scaled AmpHour counters Clear Scaled AmpHour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Voltage Trip Enable Forward voltage trip level for all outputs Reverse voltage trip level for all outputs Master/Slave selection. Range Check on LSByte only MSBytes Mode, LSByte can have: 0-Slave, 1=Master, 2-Stand Alone, 3=ECMintern. 4=ECMostern External communication check Enable writing of parameters to external eproom High impedance mode BOHIzi stoper mode, b1=Hiz out1, b2=Hiz out2,, b8=Hiz out8 better slowly to start the supply	Mask: bit0=Fwd1, bit1=Rev1 etc. Mask: bit0=Fwd1, bit1=Rev1 etc. pup output 2 (total 4 bits) O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Disabled, 1=Enabled D=Disabled, 1=Enabled LSbyte: 0=Disabled, 1=Enabled LSbyte: 0=Disabled, 1=Enabled LSbyte: 0=Disabled, 1=Enabled D=Gisabled 0.100.0%/s is percentage of current parms 6000.6300.e.g. let	,	4073
4400 4477 4380 4400 4401 4401 4402 4411 4412 4415 4416 4417 4417 4420 4421 4422 4433 4433 4435	VshiftstepDiv MeasFillFact Other parameters Loadbefaults ClearAmphour	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		10 3 	4 3 3 3 4 2 2 3 4 4 2 0 0 0	R/W W W W W W R/W	Pwm division (shift right) factor Voltage Control loop Measured Current/Voltage moving filter shift value Load default values into memory Clear Amphour counters Clear Scaled AmpHour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.2 (customer redefinable relay) on first communication board Auxiliary relay #1.2 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Voltage Trip Enable Forward voltage trip level for all outputs Reverse voltage trip level for all outputs Master/Silve selection. Range Check on LSByte only Master/Silve	Mask: bit0=Fwd1, bit1=Rev1 etc. Mask: bit0=Fwd1, bit1=Rev1 etc. pup output 2 (total 4 bits) O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Disabled, 1=Enabled D=Disabled, 1=Enabled, bit#0 enables check for COM1, bit#1 = enables check for COM2 O=Disabled, 1=Enabled, 1=StartSupplyRun, 2=StartBatch, 3=EnableSupply, Mabyte; 0=EmergencyStop enabled O = disabled 0.100.0%/s is percentage of current parms 6000.6300. e.g. let Current current warning active parms of the parms of the parms with 915 feet parms with 915 feet parms with 915 feet parms with 915 feet parms with 915 feet parms with 915 feet parms with 915 feet for COM2 O=Disabled 0.100.0%/s is percentage of current parms 6000.6300. e.g. let Current eurrent eurrent eurrent parms 6000.6300. e.g. let Current eurrent eurrent	,	4073	
4370 4371 4380 4400 4401 4401 4411 4412 4415 4416 4417 4417 4417 4420 4430 4430 4431 4433 4435	VshiftStepDiv MeaseFillFact Other parameters LoadDefaults ClearAmphour ClearAmphour ClearAmphour ClearAmphour ClearAmphour ClearAmphour AuxRelay21 AuxRelay23 AuxRelay23 AuxRelay11 AuxRelay12 AuxRelay13 VoltTripEnable VoltTripEnable VoltTripFend VoltTripFend VoltTripRev Master *) EstCommCheck EepromWriteEnable High Impedance ExtSupplyMode	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		10 3 	4 3 3 3 4 4 2 2 1 1 850 0 0 0	R/W W W W W W W W W W		Pwm division (shift right) factor Voltage Control loop Measured Current/Voltage moving filter shift value Laad default values into memory Clear Scaled AmpHour counters Clear Scaled AmpHour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Voltage Trip Enable Forward voltage trip level for all outputs Master/Slave selection. Range Check on LSByte only MSBytes Mode, LSByte can have: 0-Slave, 1=Master, 2-Sland Alone, 3=ECMmtent, 4=ECMostern Enable writing of parameters to external eigerom High impedance mode BOHER in stop mode, b1=Hiz out1, b2=Hiz out2,, b6=Hiz out8 Ernespeny Stop function.	Mask: bit0=Fwd1, bit1=Rev1 etc. Mask: bit0=Fwd1, bit1=Rev1 etc.upto output 2 (total 4 bits) 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=BatchStep Out, 9=AhStrokeTimer2, 10=FaultRela	,	4073
4400 4477 4380 4400 4401 4401 4402 4411 4412 4415 4416 4417 4417 4420 4421 4422 4433 4433 4435	VshiftStepDiv MeaseFillFact Other parameters LoadDefaults ClearAmphour ClearAmphour ClearAmphour ClearAmphour ClearAmphour ClearAmphour AuxRelay21 AuxRelay22 AuxRelay23 AuxRelay11 AuxRelay12 AuxRelay13 VoltTripEnable VoltTripFenable VoltTripFenable VoltTripFenable ExtCommCheck EepromWriteEnable High Impedance ExtSupplyMode RampTime MeasuredCurrentOutputM	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		10 3 	4 3 3 3 4 2 2 3 4 4 2 0 0 0	R/W W W W W W R/W	Pwm division (shift right) factor Voltage Control loop Measured Current/Voltage moving filter shift value Laad default values into memory Clear Amphour counters Clear Scaled AmpHour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.2 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Machilary relay #1.3 (customer redefinable relay) on first communication board Machilary relay #1.3 (customer redefinable relay) on first communication board Machilary relay #1.3 (customer redefinable relay) on first communication board Machilary relay #1.3 (customer redefinable relay) on first communication board Machilary relay #1.3 (customer redefinable relay) on first communication board Machilary relay #1.3 (customer redefinable relay) on first communication board Machilary relay #1.3 (customer redefinable relay) on first communication board Machilary relay #1.3 (customer redefinable relay) on first communication board Machilary relay #1.4 (customer redefinable relay) on first communication board Machilary relay #1.4 (customer redefinable relay) on first communication board Machilary relay #1.5 (customer redefinable relay) on first communication board Machilary relay #1.5 (customer redefinable relay) on first communication board Machilary relay #1.5 (customer redefinable relay) on first communication board Machilary relay #1.5 (customer redefinable relay) on first communication board Machilary relay #1.5 (customer redefinable relay) on first communication board Machilary relay #1	Mask: bit0=Fwd1, bit1=Rev1 etc. Mask: bit0=Fwd1, bit1=Rev1 etc. pup output 2 (total 4 bits) O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan O=Disabled, 1=Enabled D=Disabled, 1=Enabled, bit#0 enables check for COM1, bit#1 = enables check for COM2 O=Disabled, 1=Enabled, 1=StartSupplyRun, 2=StartBatch, 3=EnableSupply, Mabyte; 0=EmergencyStop enabled O = disabled 0.100.0%/s is percentage of current parms 6000.6300. e.g. let Current current warning active parms of the parms of the parms with 915 feet parms with 915 feet parms with 915 feet parms with 915 feet parms with 915 feet parms with 915 feet parms with 915 feet for COM2 O=Disabled 0.100.0%/s is percentage of current parms 6000.6300. e.g. let Current eurrent eurrent eurrent parms 6000.6300. e.g. let Current eurrent eurrent	,	4073	
4400 4477 4380 4400 4401 4401 4402 4411 4412 4415 4416 4417 4417 4420 4421 4422 4433 4433 4435	VshiftStepDiv MeaseFillFact Other parameters LoadDefaults ClearAmphour ClearAmphour ClearAmphour ClearAmphour ClearAmphour ClearAmphour AuxRelay21 AuxRelay22 AuxRelay23 AuxRelay11 AuxRelay12 AuxRelay13 VoltTripEnable VoltTripFenable VoltTripFenable VoltTripFenable ExtCommCheck EepromWriteEnable High Impedance ExtSupplyMode RampTime MeasuredCurrentOutputM	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		10 3 	4 3 3 3 4 2 2 3 4 4 2 0 0 0	R/W W W W W W R/W	Pwm division (shift right) factor Voltage Control loop Measured Current/Voltage moving filter shift value Laad default values into memory Clear Amphour counters Clear Scaled AmpHour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Multiary relay #1.3 (customer redefinable relay) on first communication board Multiary relay #1.3 (customer redefinable relay) on first communication board Multiary relay #1.3 (customer redefinable relay) on first communication board Multiary relay #1.3 (customer redefinable relay) on first communication board Multiary relay #1.3 (customer redefinable relay) on first communication board Multiary relay #1.3 (customer redefinable relay) on first communication board Multiary relay #1.3 (customer redefinable relay) on first communication board Multiary relay #1.3 (customer redefinable relay) on first communication board Multiary relay #1.3 (customer redefinable relay) on first communication board Multiary relay #1.4 (customer redefinable relay) on first communication board Multiary relay #1.5 (customer redefinable relay) on first communication board Multiary relay #1.5 (customer redefinable relay) on first communication board Multiary relay #1.5 (customer redefinable relay) on first communication board Multiary relay #1.5 (customer redefinable relay) on first communication board Multiary relay #1.5 (customer redefinable relay) on first communication board Multiary relay #1.5 (custo	Mask: bit0=Fwd1, bit1=Rev1 etc. Mask: bit0=Fwd1, bit1=Rev1 etc.upto output 2 (total 4 bits) 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current SupplyReady, 8=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=BatchStep Out, 9=AhStrokeTimer2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=BatchStep Out, 9=AhStrokeTimer2, 10=FaultRela	,	4073	
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4477 44871 4490 4400 4401 4401 4411 4412 4415 4416 4417 4417 4417 4420 4421 4421 4430 4431 4431 4432 4434 4435 4436 4440 4450	VshiftstepDiv MeaseFillFact Other parameters Load/Defaults Cloer/Amphour Clear Amphour	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		10 3 	4 3 3 4 2 2 3 3 4 4 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	R/W R/W W W W R/W R/W R/W R/W R/W R/W R/		Pwm division (shift right) factor Voltage Control loop Measured Current/Voltage moving filter shift value Load default values into memory Cliear Scaled AmpHour counters Cliear Scaled AmpHour counters Cliear Scaled AmpHour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board Auxiliary relay #1.1 (customer redefinable relay) on second communication board Auxiliary relay #1.2 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Voltage Trip Enable Forward voltage trip level for all outputs Master/Slave selection. Range Check on LSByte only Master/Slave s	Mask: bit0=Fwd1, bit1=Rev1 etc. Mask: bit0=Fwd1, bit1=Rev1 etc.upto output 2 (total 4 bits) 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current Warning August A	,	4073
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4470 4497 4490 4400 4401 4401 4411 4412 4415 4416 4417 4417 4417 4421 4421 4421 4421 4430 4431 4431 4431 4431 4431 4431 443	VshiftstepDiv MeaseFillFact Other parameters Load/Defaults Cloer/Amphour Clear Amphour	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		10 3 	4 3 3 4 4 2 2 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	R/W R/W W W R/W R/W R/W R/W R/W R/W R/W		Pem division (shift right) factor Voltage Control loop Measured Current/Voltage moving filter shift value Load default values into memory Clear Amphour counters Clear Scaled AmpHour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.2 (customer redefinable relay) on first communication board Auxiliary relay #1.2 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Moltiage Trip Enable Forward voltage trip level for all cutputs National State	Mask: bit0=Fwd1, bit1=Rev1 etc. Mask: bit0=Fwd1, bit1=Rev1 etc.upto output 2 (total 4 bits) 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTimer, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan 0=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current Warning August A	,	4073
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4370 4390 4400 4401 4401 4411 4412 4415 4416 4416 4417 4416 4417 4416 4417 4416 4417 4410 4410 4410 4410 4411	VshiftslepDiv MeasFillFact Other parameters LoadDefaults ClearAmphour	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		10 3 10 10 10 10 10 10 10 10 10 10 10 10 10	4 3 3 4 4 2 2 3 3 4 4 4 5 5 6 6 7 1 3 0 0 0 0 0 1 1 0 0 0 0 1 1 1 1 0 0 0 0	R/W R/W		Pem division (shift right) factor Voltage Control loop Measured Current/Voltage moving filter shift value Load default values into memory Clear Scaled AmpHour counters Clear Scaled AmpHour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.2 (customer redefinable relay) on first communication board Auxiliary relay #1.2 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Voltage Trip Enable Forward voltage trip level for all outputs Reverse voltage trip level for all outputs Master/Slave selection. Range Check on L.SByte only Master/Slave selection. Range Check on L.SByte conly Master/Slave selection. Range Check on L.SByte only Maste	Mask: bit0=Fwd1, bit1=Fevd etc. Mask: bit0=Fwd1, bit1=Fevd etc.upto output 2 (total 4 bits) O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan O=Disabled, 1=Enabled D=Disabled, 1=Enabled D=Disabled, 1=Enabled, bit#0 enables check for COM1, bit#1 = enables check for COM2 O=Disabled, 1=Enabled, bit#0 enables check for COM1, bit#1 = enables check for COM2 O=Disabled, 1=Enabled D=Disabled, 1=Enabled	,	4073
4400 4400 4401 4401 4401 4411 4412 4415 4416 4416 4417 4416 4417 4420 4431 4433 4433 4435 4430 4450 4460 4600 4600 4600 5000 5000	VshiftslepDiv MeasFillFact Other parameters LoadDefaults ClearAmphour			10 3 10 10 10 10 10 10 10 10 10 10 10 10 10	4 3 3 4 4 2 2 3 3 4 4 4 5 5 5 6 5 6 7 1 3 0 0 0 0 1 1 0 0 0 0 1 1 1 1 0 0 0 0	R/W R/W		Pem division (shift right) factor Voltage Control loop Measured Current/Voltage moving filter shift value Load default values into memory Clear Scaled AmpHour counters Clear Scaled AmpHour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.2 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Voltage Trip Enable Forward voltage trip level for all outputs Reverse voltage trip level for all outputs Reverse voltage trip level for all outputs Master/Sieve selection. Range Check on LSByte only Master/Sieve selection. Range Check on LSByte only Master/Sieve selection. Range Check on LSByte only Master/Sieve selection. Range Check on LSByte only Master/Sieve selection. Range Check on LSByte only Master/Sieve selection. Range Check on LSByte only Master/Sieve selection. Range Check on LSByte only Master/Sieve selection. Range Check on LSByte only Master/Sieve selection. Range Check on LSByte only Master/Sieve selection. Range Check on LSByte only Master/Sieve selection. Range Check on LSByte only Master/Sieve selection. Range Check on LSByte only Master/Sieve selection. Range Check on LSByte only Master/Sieve selection. Range Check on LSByte only Master/Sieve selection. Range Check on LSByte only Master/Sieve selection. Range Check on LSByte only Master/Sieve selection. Range Check on LSByte only Master/Sieve selection. Range Check on LSByte only Master/Sieve selection. Range Check on LSByte only Master/Sieve s	Mask: bit0=Fwd1, bit1=Fevd etc. Mask: bit0=Fwd1, bit1=Fevd etc.upto output 2 (total 4 bits) O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan O=Disabled, 1=Enabled D=Disabled, 1=Enabled D=Disabled, 1=Enabled, bit#0 enables check for COM1, bit#1 = enables check for COM2 O=Disabled, 1=Enabled, bit#0 enables check for COM1, bit#1 = enables check for COM2 O=Disabled, 1=Enabled D=Obisabled, 1=Enabled	,	4073
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44371 4380 4400 4401 4402 4411 4412 4415 4416 4416 4417 4416 4417 4420 4420 4431 4433 4433 4435 4430 4500 4600 4600 4600 4600 4600 5000	VshiftslepDiv MeaseFillFact Other parameters LoadDefaults ClearAmphour			10 3 10 10 10 10 10 10 10 10 10 10 10 10 10	4 3 3 4 4 2 2 3 3 4 4 4 5 5 5 6 5 6 7 1 3 0 0 0 0 1 1 0 0 0 0 1 1 1 1 0 0 0 0	R/W R/W		Pem division (shift right) factor Voltage Control loop Measured Current/Voltage moving filter shift value Load default values into memory Clear Scaled AmpHour counters Clear Scaled AmpHour counters Auxiliary relay #2.1 (customer redefinable relay) on second communication board Auxiliary relay #2.2 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board Auxiliary relay #2.3 (customer redefinable relay) on second communication board Auxiliary relay #1.1 (customer redefinable relay) on first communication board Auxiliary relay #1.2 (customer redefinable relay) on first communication board Auxiliary relay #1.2 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Auxiliary relay #1.3 (customer redefinable relay) on first communication board Voltage Trip Enable Forward voltage trip level for all outputs Reverse voltage trip level for all outputs Master/Slave selection. Range Check on L.SByte only Master/Slave selection. Range Check on L.SByte conly Master/Slave selection. Range Check on L.SByte only Maste	Mask: bit0=Fwd1, bit1=Fevd etc. Mask: bit0=Fwd1, bit1=Fevd etc.upto output 2 (total 4 bits) O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan O=Off, 1=On, 2=FaultRelay, 3=RunRelay, 4=StopRelay, 5=Threshold Current warning active, 6=AhStrokeTime7, 7=SupplyReady, 8=BatchStep Out, 9=AhStrokeTime2, 10=Fan O=Disabled, 1=Enabled D=Disabled, 1=Enabled D=Disabled, 1=Enabled, bit#0 enables check for COM1, bit#1 = enables check for COM2 O=Disabled, 1=Enabled, bit#0 enables check for COM1, bit#1 = enables check for COM2 O=Disabled, 1=Enabled D=Obisabled, 1=Enabled	,	4073

Page 3 / 7

6000	CurrentSetFwd1	8	0	Imax	0	R/W		Current forward setting of output 1, level 1 to 8	Current Setting indexed by level	· •	
	CurrentSetRev1 CurrentSetFwd2	8	0	Imax	0	R/W R/W		Current roward setting of output 1, level 1 to 8 Current forward setting of output 2, level 1 to 8		f	
6060	CurrentSetRev2 CurrentSetFwd3	8	0	Imax Imax	0	R/W R/W		Current reverse setting of output 2, level 1 to 8 Current forward setting of output 3, level 1 to 8 Current forward setting of output 3, level 1 to 8	Curent setting [A] or Current Density setting [A/dm²]. For current and current density unit see ⁴)	f	
6100 6120	CurrentSetRev3 CurrentSetFwd4	8	0	Imax	0	R/W R/W		Current reverse setting of output 3, level 1 to 8	For current and current density parameter format see ⁶)	f	
6140 6160	CurrentSetRev4 CurrentSetFwd5	8	0	Imax	0	R/W R/W		Current forward setting of output 4, level 1 to 8 Current reverse setting of output 4, level 1 to 8 Current reverse setting of output 4, level 1 to 8		f	
6180 6200	CurrentSetRev5 CurrentSetFwd6	8	0	Imax	0	R/W R/W		Current forward setting of output 5, level 1 to 8 Current reverse setting of output 5, level 1 to 8 Current forward setting of output 6, level 1 to 8		f	
6220 6240	CurrentSetRev6 CurrentSetFwd7	8	0	Imax	0	R/W R/W		Current roward setting of output 6, level 1 to 8 Current forward setting of output 7, level 1 to 8		f	
6260 6280	CurrentSetRev7 CurrentSetFwd8	8	0	Imax Imax	0	R/W R/W		Current reverse setting of output 7, level 1 to 8		f	
6300	CurrentSetRev8	8	0	Imax	0	R/W	*	Current forward setting of output 8, level 1 to 8 Current reverse setting of output 8, level 1 to 8		f	
6500	VoltageSetFwd1	8	0	Vmax Vmax	0	R/W R/W	:	Voltage forward setting of output 1, level 1 to 8	Set Voltages indexed by level	f	
	VoltageSetRev1 VoltageSetFwd2	8	0	Vmax	0	R/W		Voltage reverse setting of output 1, level 1 to 8 Voltage forward setting of output 2, level 1 to 8		f	
6560 6580	VoltageSetRev2 VoltageSetFwd3	8	0	Vmax	0	R/W R/W	•	Voltage reverse setting of output 2, level 1 to 8 Voltage forward setting of output 3, level 1 to 8		f	
	VoltageSetRev3 VoltageSetFwd4	8	0	Vmax Vmax	0	R/W R/W	•	Voltage reverse setting of output 3, level 1 to 8 Voltage forward setting of output 4, level 1 to 8		f	
6640 6660	VoltageSetRev4 VoltageSetFwd5	8	0	Vmax Vmax	0	R/W R/W	*	Voltage reverse setting of output 4, level 1 to 8 Voltage forward setting of output 5, level 1 to 8		f	
6680 6700	VoltageSetRev5 VoltageSetFwd6	8	0	Vmax Vmax	0	R/W R/W	•	Voltage reverse setting of output 5, level 1 to 8 Voltage forward setting of output 6, level 1 to 8		f	
6720 6740	VoltageSetRev6 VoltageSetFwd7	8	0	Vmax Vmax	0	R/W R/W	*	Voltage reverse setting of output 6, level 1 to 8 Voltage forward setting of output 7, level 1 to 8		f	
6760 6780	VoltageSetRev7 VoltageSetFwd8	8	0	Vmax Vmax	0	R/W R/W	*	Voltage reverse setting of output 7, level 1 to 8 Voltage forward setting of output 8, level 1 to 8		f f	
6800	VoltageSetRev8	8	0	Vmax	0	R/W	*	Voltage reverse setting of output 8, level 1 to 8		f	
7000	Amp Hour Timer AhIntervalHI	1			0	R/W		Amp Hour Counter target setpoint value MS Word	The Amp Hour Counter uses this target setpoint (prm#7000 and #7001) to		
7001	AhIntervalLO	1		-	0	R/W	*	Amp Hour Counter target setpoint value LS Word	determine, when the required ampere hours have been generated during production. The target value is copied to the actual ampere hour parameters		
7002	AhStrokeTime	1	0	60000	0	R/W	•	The time (in s) that the Aux Relay is activated, after the Amp Hour Counter has counted the target amount of ampere hours (prm#7000 and #7001) during	(prm#2590 and #2590) and down counted to zero, meaning that the requiered ampere hours have been counted, which will switch on the Aux Relay for a		
7003	AhIntervalSum	1		-	0	R/W		production Sum enabled bits for the Amp Hour Counter behavior.	stroke time adjusted with prm#7002. Bitwise selection of the way the Amp Hour Counter will count the ampere		
								If a bit is enabled then its corresponding output is summed to the counting result.	hours. 16 bits organized (MSbit.LSbit): r8, f8,r7, f7,r6, f6,r5, f5,r4, f4,r3, f3,r2, f2, r1, f1		
7004	AhIntervalSubtract	1		-	0	R/W	•	Substract enable bits for the Amp Hour Counter behavior. If a bit is enabled then its corresponding output is subtracted from the counting result.	Expl.:r1=1, sum (or substract) bit enabled of the reverse of output 1, etc. Expl.: prm#7003 = 0b00000101 (11,f2 sum) and prm#7004 = 0b00001010 (r1, r2 substract). The ampere hour count result is increased, with the sum		
L		L			L	L			amount (f1 and f2) and decreased with subtract amount (r1 and r2). This count result is used to down count the remaining ampere hour parameters		
7005	AhIntervalMode	1	0	2	0	R/W	*	The parameter to start (single run or continues run) and stop the Amp Hour Counter	0 = Reset/Stop (to stop and reset the Amp Hour Counter) 1 = Single Shot (the Amp Hour Counter will run only once, after counting down		
									parameters prm#2590 and #2591, the Aux Relay is activated for the stroke time adjusted with prm#7002)		
									2 = Continuous (the Amp Hour Counter will run multiple times, each time the counter has counted down parameters prm#2590 and #2591 the Aux Relay is		
									activated for the stroke time adjusted with prm#7002, and the counter target setpoint is reloaded and the counter restarted, until the reset command is sent		
									to prm#7005)		
7006	AhIntervalSumScaled	1			0	R/W		Sum enabled bits for the Scaled Amp Hour Counter behavior.	Bitwise selection of the way the Amp Hour Counter will count the ampere		
7000	Anniteivalounocaled					10,00		If a bit is enabled then its corresponding output is summed to the counting result.	Hours. 4 bits organized (MSbit. LSbit): r2, r2, r1, f1		
								iosuit.	Expl.:r1=1, sum (or substract) bit enabled of the reverse of output 1, etc. Expl.:prm#7003 = 0b00000101 (f1,f2 sum) and prm#7004 = 0b00001010 (r1,		
									r2 substract). The ampere hour count result is increased, with the sum		
									amount (f1 and f2) and decreased with subtract amount (r1 and r2). This count result is used to down count the remaining ampere hour parameters		
									prm#2590 and #2591. Note: The down count of prm#2590 and #2591 is stopped, when the ampere		
									hour amount of the reverse has become larger than the forward. It will be continued again, when the amount of forward ampere hours has become		
									larger than that of the reverse amount.		
7007	AhIntervalSubtractScaled	1			0	R/W		Substract enable bits for the Scaled Amp Hour Counter behavior.	Bitwise selection of the way the Amp Hour Counter will count the ampere		
								If a bit is enabled then its corresponding output is subtracted from the counting result.	hours. 4 bits organized (MSbitLSbit): r2, f2, r1, f1		
								-	Expl.:r1=1, sum (or substract) bit enabled of the reverse of output 1, etc. Expl.: prm#7003 = 0b00000101 (f1,f2 sum) and prm#7004 = 0b00001010 (r1,		
									r2 substract). The ampere hour count result is increased, with the sum amount (f1 and f2) and decreased with subtract amount (r1 and r2). This		
									count result is used to down count the remaining ampere hour parameters prm#2590 and #2591.		
									Note: The down count of prm#2590 and #2591 is stopped, when the ampere hour amount of the reverse has become larger than the forward. It will be		
									continued again, when the amount of forward ampere hours has become larger than that of the reverse amount.		
7010	AhIntervalHI2	1			0	R/W		Amp Hour Counter 2 target setpoint value MS Word	The Amp Hour Counter 2 uses this target setpoint (prm#7010 and #7011) to		\vdash
	- continue to the							,	determine, when the required ampere hours have been generated during production. The target value is copied to the actual ampere hour parameters		
7011	AhIntervalLO2	1	-	-	0	R/W		Amp Hour Counter 2 target setpoint value LS Word	(prm#2590 and #2590) and down counted to zero, meaning that the requiered ampere hours have been counted, which will switch on the Aux Relay for a stroke line adjusted with prm#7000.		\vdash
7012	AhStrokeTime2	1	0	60000	0	R/W	*	The time (in s) that the Aux Relay is activated, after the Amp Hour Counter has counted the target amount of ampere hours (prm#7000 and #7001) during	stroke time adjusted with prm#7002.		
7013	AhIntervalSum2	1	-	-	0	R/W	*	production Sum enabled bits for the Amp Hour Counter 2 behavior. If a bit is enabled then its corresponding output is summed to the counting	Bitwise selection of the way the Amp Hour Counter will count the ampere hours.		
-	Ablatanal					PATE		result.	16 bits organized (MSbitLSbit): r8, f8,r7, f7,r6, f6,r5, f5,r4, f4,r3, f3,r2, f2, r1, f1		
7014	AhIntervalSubtract2	1		-	0	R/W		Substract enable bits for the Amp Hour Counter 2 behavior. If a bit is enabled then its corresponding output is subtracted from the	Expl.:r1=1, sum (or substract) bit enabled of the reverse of output 1, etc. Expl.: prm#7003 = 0b00000101 (f1,f2 sum) and prm#7004 = 0b00001010 (r1,		
								counting result.	r2 substract). The ampere hour count result is increased, with the sum amount (f1 and f2) and decreased with subtract amount (r1 and r2). This		
									count result is used to down count the remaining ampere hour parameters prm#2590 and #2591.		
									Note: The down count of prm#2590 and #2591 is stopped, when the ampere hour amount of the reverse has become larger than the forward. It will be		
									continued again, when the amount of forward ampere hours has become larger than that of the reverse amount.		
7015	AhIntervalMode2	1	0	2	0	R/W	*	The parameter to start (single run or continues run) and stop the Amp Hour Counter 2	0 = Reset/Stop (to stop and reset the Amp Hour Counter) 1 = Single Shot (the Amp Hour Counter will run only once, after counting down		
									he adjusted with prm#7002) The Aux Relay is activated for the stroke time adjusted with prm#7002)		
									arme adjusted with prin#7002) = Continuous (the Amp Hour Counter will run multiple times, each time the counter has counted down parameters prm#2590 and #2591 the Aux Relay is		
									counter has counted down parameters prim#2590 and #2591 the Aux Relay is activated for the stroke time adjusted with prim#7002, and the counter target setpoint is reloaded and the counter restarted, until the reset command is sent		
									setpoint is reloaded and the counter restarted, until the reset command is sent to prm#7005.)		
		Ш									

25/11/2015 Page 4 / 7

7016	AhIntervalSumScaled2	1	-	-	0	R/W	•	Sum enabled hits for the Scaled Amp Hour Counter behavior. If a bit is enabled then its corresponding output is summed to the counting result.	Bitwise selection of the way the Amp Hour Counter will count the ampere hours. 4 bits organized (MSbitt,LSbit): 2, 12, 11, 11 Expl.:T=1, sum (or substract) bit enabled of the reverse of output 1, etc. Expl.: pm#7003 = 0b000001010 (11,12 sum) and prm#7004 = 0b00001010 (11, 12 substract). The ampere hour count result is increased, with the sum amount (11 and 2) and decreased with subtract amount (11 and 2). This count result is used to down count the remaining ampere hour parameters prm#2590 and #2591 and #2593 and #2591 is stopped, when the ampere hour amount of the reverse has become larger than the forward. It will be continued again, when the amount of forward ampere hours has become larger than that of the reverse amount.	
7017	AhlntervalSubtractScaled2	1	•	-	0	R/W	•	Substract enable bits for the Scaled Amp Hour Counter behavior. If a bit is enabled then its corresponding output is subtracted from the counting result.	Bitwise selection of the way the Amp Hour Counter will count the ampere hours. 4 bits organized (MSbit.LSbit): 2, 12, 11, 11 Expl.:1=1, sum (or substract) bit enabled of the reverse of output 1, etc. Expl.:prim#7030 = 0b00000101 (11,12 sum) and prim#7004 = 0b00001010 (11, 22 substract). The ampere hour count result is increased, with the sum amount (11 and 12) and decreased with subtract amount (11 and 12.) This count result is used to down count the remaining ampere hour parameters prim#2590 and #2591. Note: The down count of prim#2590 and #2591 is stopped, when the ampere hour amount of the reverse has become larger than the forward. It will be continued again, when the amount of forward ampere hours has become larger than that of the reverse amount.	
	AhScaledOutputSelect	1	1	8	1	R/W	*	Select output to be scaled for first Ahcounter	18=Output1Output8	
	AhScaledOutputSelect2	1	1	8	1	R/W	*	Select output to be scaled for second Ahcounter	18=Output1Output8	
7400	PROFINETstationName	32				R		PROFINET Station Name	Data is read at power-up, power must be cycled after a Profinet IO controller changed the name.	
7500	AnyBusNetworkType	1		-	65535	R		Returns networktype	5=Profibus, 128=Modbus_TCP, 133=Ethernet I/P, 65535=no interface present	
	AnyBusProfibusAddress	1	0	125	0	R/W		Read / Write Profibus address of Anybus interface		
	AnyBusIPaddress	4	0	255	0	R/W		Read / Write IP address of Anybus interface	Only activated in case of Ethernet module and DHCP is off	\vdash
7520	AnyBusFormatDisc	1	0	1	0	W		Format the file system disc (Webbrowser side) of the ANYBUS compactcom module	1=Format	
	AnyBusEnableMail	1	0	1	0	R/W	*	Enable or disable automatic sending of a trip e-mail	1=Enable e-mail, 0=disable sending of e-mail	
7530	AnyBusTestMail	1	0	1	0	R/W		Send test E-mail, Parametrize SMTP on the Web Interface and set from and	1=Enable send e-mail, if the parameter is read the amount of filesize in bytes	1 7
								to E-mail addresses via parameters 7600 and 7700	of the E-mail is returned.	
7600	AnyBusEmailFrom	50	-			R/W	*	Content of "From:" field in e-mail header (source address or name)	example: ASCII coding of info@munk-nl.com; = \$6E69, \$6F66, \$6D40, \$6E75, \$2D6B, \$6C6E, \$632E, \$6D6F, \$0000, NOTE delimit with '/0' character (null terminated)	
7700	AnyBusEmailTo	50	-	-		R/W		Content of "To:" field in e-mail header (destination address)	example: ASCII coding of sales@munk-nl.com; =\$6173, \$656C, \$4073, \$756D, \$686E, \$6E2D, \$2E6C, \$6F63, \$206D, \$0000, NOTE delimit with 1/0° character (null terminated)	
7800	AnyBusCyclicMapRead	50				R/W	٠	This parameter contains the mapping of modbus parameters which must be read into cyclic fieldbus processdata.	A zero means not used.	
7850	AnyBusCyclicMapWrite	50			-	R/W	٠	This parameter contains the mapping of modbus parameters which must be written to cyclic fieldbus processdata.	A zero means not used.	
7900	AnyBusCyclicMapLength	50	•	•	-	R/W	*	This parameter contains the length of the mobius parameters which must be read or written fromto cyclic fieldbus processedats. MSbyte is the length of a parameter to be read. LSbyte is the length of a parameter to be written. The index is mapped the same as the AnyBusCyclicMapRead and AnyBusCyclicMapWire parameter. So length of AnyBusCyclicMapRead[0] is the most significant byte of AnyBusCyclicMapLength[0].	A zero means not used. The Misbyte contains the length of a read parameter, the Lisbyte the length of a write parameter	
7950	AnyBusGSDconfigCount	1	0	20		R/W	*	This parameter contains the amount of Profibus GSD configuration bytes which are mapped to parameter 7955 up		
7955	AnyBusGSDconfiguration	10	-	-		R/W	*	Each parameter (WORD) contains 2 configuration bytes: 7955 MSB byte#1, 7955 LSB byte#2, 7956 MSB byte#3, LSB byte#4 etc. So a total of 20 bytes		
								are possible		

END
Eepr field: An * indicates that this parameter is stored in the external eeprom

Max forward current

Example:

IR Max reverse current
VF Max forward voltage
VR Max reverse voltage
MaxSeg Max segment time see Supervisor Parameters: MaxFwdTime, MaxRevTime, MaxDeadTime, MaxHIZTime

Segment parameters should be written as a block of 1 to 12 words at once. The number of parameters written will determine the number of used segments!

```
Level#1
Level#2
Level#3
Level#4
Level#5
Level#6
Level#7
Level#8
 LLLL:0100
LLLL:0101
LLLL:0110
LLLL:0111
 Segment mode:
MM:00
MM:01
MM:10
MM:11
                                          HIZ/Dead value of LLLL determines HIZ or Dead : 0= HIZ, 1=DEAD e.g. 0001 00 000 1001101 is 77us dead time Fwd Rev Illegal
MM:11
Prescaler power of 10
PPP: 000
PPP: 001
PPP: 010
PPP: 011
PPP: 100
Time Value (mantisse)
VVVVVVV: 0..127d
                                          10^0
10^1
10^2
10^3
10^4
Time is in us
```

In stand alone mode, the supply does not go to stop mode when the DCMode or a SegmentTime is changed.

The threshold levels are used pos and neg in relation with the selpoint. Note that always the max pos and min neg level are used to generate the status warning signal too high or too low current, Current Density and Surface parameters Units and Formulas of Current.Current Density and Surface

Current:

Current:

Current:

Current Lal = Surface [dm] * Current Density [A/dm*]

Stote: The unit of the used Surface and Current Density are always related; for example dm² and A/dm² or mm² and A/mm², etc. Parameter Found: Of the used Sariace and Cuttent Desiry are aways resident for Example un and John Un as and John Un as and John Un as and John Un as and John Un as and John Un as and John Un as and John Un as and John Un as and John Un as and John Un as and John Un as and John Un as and John Un as and John United U

3593h = 20ms fwd for level 4

5)

Current setpoint parameter example (prm 1000 = 16829d = 4450 A): prm 1000 = 0001,0001.1011.1010 = 41888 = 46286
Prem 1000 = 0000,0000.1011.1010 = 41888 = 46286
Premeale: Algo (process parameter) = 1000, premeale: 10x Value: xcox. 0001.1011.1101 b, bil-b0 = 1888 = 4456 (no unit) Current: Value x premeale = 4654 x 10 = 4486 | x0 = 1480 | x = 4656 | x = 10 = 4486
Current Density setpoint parameter example (prm 1000 = 41062d = 10.2 A/dm²):
Frm 1000: 1010.0000.0110.0110b = A0664h = 41062d
Unit: lxxx.voxx.voxx.voxxxvx.xoxx b, h15 = 1, unit in A/dm²(unit is related to Surface and selected in VPC)
Freecale: x010.xoxx.vxxxxx.xoxx b, h14-h12 = 010b, prescale: 0.1x
Value: xxxxv.v0000.0110.0110 b, h11-b0 = 066h = 1004 (no unit)
Current Density: value x prescale = 102d x 0.1 = 10.2 A/dm² (unit is related to Surface and selected in VPC)

25/11/2015 Page 5 / 7

Fault Registers

BEGIN

		Fault masks for FaultReg1
BitNr	Fault description	(prm# 300)
0	ERR_FR1_DCLINK_OFF	DClink off input was activated
1	ERR_FR1_DSP_PWM1_GENERATOR	DSP did not find PWM generator #1
2	ERR_FR1_DSP_PWM2_GENERATOR	DSP did not find PWM generator #2
3	ERR_FR1_DSP_ERROR	DSP does not respond to run command or DSP not responding
4	ERR_FR1_DSP_PIC_DEAD	DSP noticed that he IO controller does not respond
5	ERR_FR1_DSP_TICKCOUNT_ERROR	DSP tickcounter does not change (DSP does not run) Fatal not resettable
6	ERR_FR1_INTERNAL_ERROR	An internal error occurred
/	ERR_FR1_EXTCOMM2	No communication found to PC/PLC on control board com-port 2 Error charging the DC-link
9	ERR_FR1_CHARGING ERR_FR1_TEMP_POWERBOARD	Overtemperature of Powerboard
10	ERR_FR1_EXTCOMM1	No communication found to PC/PLC on control board com-port 1
11	ERR_FR1_SYNCHRO	Synchronization lost. (Only supported when supply is in 'Slave' mode).
12	ERR_FR1_TEMP_MAINSCONTROLLER	Mains controller overtemperature
13	ERR_FR1_ZEROBATCH	Attempted to start a 'Zero Batch' or 'Zero Pattern'
14	ERR_FR1_GENERAL_OVERCURRENT	Active if any output has an over current or hardware overcurrent trip (All trips OR-ed)
15	ERR_FR1_GENERAL_OVERVOLTAGE	Active if any output has an over voltage trip (All trips OR-ed)
	1	Fault masks for FaultReg2
BitNr	Fault description	(prm# 301)
0	ERR_FR2_AMPHOURCHECKSUM	AmpHour variables are corrupt
1	ERR_FR2_INT_EEPROM	Internal eeprom data invalid
3	ERR_FR2_EXT_EEPROM ERR_FR2_EEPROM_FORMAT	External eeprom data invalid Eeprom has been formatted (Format operation=0010)
4	ERR_FR2_EEPROM_FORMAT ERR_FR2_BATCH_READ	Crc check invaldid when reading batch from eeprom or BatchReadCommand (prm 4210) > 16
5	ERR FR2 BATCH WRITE	Pattern No (prm 4200) zero when writing the batch to memory/eeporm or BatchWriteCommand (prm 4211) > 16.
6	ERR_FR2_PATTERN_READ	Crc check invalid when reading pattern from eeprom or PatReadCommand (prim 4211) > 16.
7	ERR_FR2_PATTERN_WRITE	Pattern set invalid when writing to memory/eeprom or BatchWriteCommand (prm 4191) > 16
8	ERR_FR2_IDCLINK_IXT_TRIP1	Tripped on primary DClink current lxt
9	ERR_FR2_CONTROLSUPPLY	Control voltage timed out on threshold of CtrlVoltageThreshold parameter (9200)
10	ERR_FR2_DCLINK1	Primary Dclink voltage too low
11	ERR_FR2_PLD_1_5_SUPPLY	DSP measured that the 1.5V supply of the PWM generators (PLD's) are too low
12	ERR_FR2_IDCLINK_IXT_TRIP2	Tripped on secundary DClink current lxt
13	ERR_FR2_DCLINK2	Secundary Dclink voltage too low
14 15	ERR_FR2_RESERVED ERR_FR2_SET_CURRENT_EXCEEDED	Current set point value is too high
15	ERR_FR2_SET_CURRENT_EXCEEDED	Current set point value is too high
		Fault masks for FaultReg3
BitNr	Fault description	(prm# 302)
0	ERR_FR3_EXTERNAL_TRIP1	External Trip #1
1	ERR_FR3_EXTERNAL_TRIP2	External Trip #2
2	ERR_FR3_PLD_PWM_GENERATOR1	IO controller did not find PWM generator #1, Fatal Error not resettable
3	ERR_FR3_PLD_PWM_GENERATOR2	IO controller did not find PWM generator #2, Fatal Error not resettable
4	ERR_FR3_LOST_FIELDBUS	Lost communication with field bus
5	ERR_FR3_DYNAMIC_OVERCURRENT	A dynamic overcurrent occurred see prm 46004603
6	ERR_FR3_RESERVED_7	
0	ERR_FR3_RESERVED_8	
8 0	ERR_FR3_RESERVED_9	
9	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10	
9 10	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11	
9	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10	
9 10 11	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12	
9 10 11 12	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15	
9 10 11 12 13	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14	
9 10 11 12 13	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15	
9 10 11 12 13 14 15	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16	Fault masks for DetailedFaults1
9 10 11 12 13	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16 Fault Description	(prm# 320)
9 10 11 12 13 14 15	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16 Fault Description ERR_DFR1_HW_TRIP_FWD_OUT1	(prm# 320) Output #1 Forward Current Hardware Trip
9 10 11 12 13 14 15	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16 Fault Description ERR_DFR1_HW_TRIP_FWD_OUT1 ERR_DFR1_HW_TRIP_REV_OUT1	(prm# 320) Output #1 Forward Current Hardware Trip Output #1 Reverse Current Hardware Trip
9 10 11 12 13 14 15	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16 Fault Description ERR_DFR1_HW_TRIP_FWD_OUT1	(prm# 320) Output #1 Forward Current Hardware Trip
9 10 11 12 13 14 15 BitNr 0 1	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16 Fault Description ERR_DFR1_HW_TRIP_FWD_OUT1 ERR_DFR1_HW_TRIP_REV_OUT1 ERR_DFR1_HW_TRIP_FWD_OUT2	(prm# 320) Output #1 Forward Current Hardware Trip Output #1 Reverse Current Hardware Trip Output #2 Forward Current Hardware Trip
9 10 11 12 13 14 15 BitNr 0 1	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16 Fault Description ERR_DFR1_HW_TRIP_FWD_OUT1 ERR_DFR1_HW_TRIP_FWD_OUT1 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_REV_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3	(prm# 320) Output #1 Forward Current Hardware Trip Output #1 Reverse Current Hardware Trip Output #2 Forward Current Hardware Trip Output #2 Reverse Current Hardware Trip Output #3 Forward Current Hardware Trip Output #3 Reverse Current Hardware Trip Output #3 Reverse Current Hardware Trip
9 10 11 12 13 14 15 BitNr 0 1	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16 Fault Description ERR_DFR1_HW_TRIP_FWD_OUT1 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3	(prm# 320) Output #1 Forward Current Hardware Trip Output #1 Reverse Current Hardware Trip Output #2 Forward Current Hardware Trip Output #2 Reverse Current Hardware Trip Output #3 Forward Current Hardware Trip Output #3 Reverse Current Hardware Trip Output #4 Forward Current Hardware Trip Output #4 Forward Current Hardware Trip
9 10 11 12 13 14 15 BitNr 0 1 2 3 3 4 5 6 7	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16 Fault Description ERR_DFR1_HW_TRIP_FWD_OUT1 ERR_DFR1_HW_TRIP_REV_OUT1 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_REV_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT4	(prm# 320) Output #1 Forward Current Hardware Trip Output #1 Reverse Current Hardware Trip Output #2 Forward Current Hardware Trip Output #2 Reverse Current Hardware Trip Output #3 Forward Current Hardware Trip Output #3 Reverse Current Hardware Trip Output #4 Forward Current Hardware Trip Output #4 Reverse Current Hardware Trip Output #4 Forward Current Hardware Trip Output #4 Reverse Current Hardware Trip
9 10 11 12 13 14 15 BitNr 0 1 2 3 4 5	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16 Fault Description ERR_DFR1_HW_TRIP_FWD_OUT1 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT5	(prm# 320) Output #1 Forward Current Hardware Trip Output #1 Reverse Current Hardware Trip Output #2 Forward Current Hardware Trip Output #2 Reverse Current Hardware Trip Output #3 Forward Current Hardware Trip Output #3 Reverse Current Hardware Trip Output #3 Reverse Current Hardware Trip Output #4 Forward Current Hardware Trip Output #4 Reverse Current Hardware Trip Output #4 Forward Current Hardware Trip Output #5 Forward Current Hardware Trip
9 10 11 12 13 14 15 BitNr 0 0 1 2 3 4 5 6 7 8 9	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16 Fault Description ERR_DFR1_HW_TRIP_FWD_OUT1 ERR_DFR1_HW_TRIP_REV_OUT1 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5	(prm# 320) Output #1 Forward Current Hardware Trip Output #1 Reverse Current Hardware Trip Output #2 Forward Current Hardware Trip Output #2 Reverse Current Hardware Trip Output #3 Forward Current Hardware Trip Output #3 Forward Current Hardware Trip Output #4 Forward Current Hardware Trip Output #4 Reverse Current Hardware Trip Output #4 Reverse Current Hardware Trip Output #5 Forward Current Hardware Trip Output #5 Forward Current Hardware Trip Output #5 Forward Current Hardware Trip
9 10 11 12 13 14 15 BitNr 0 1 2 3 4 5 6 7 8 9	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16 Fault Description ERR_DFR1_HW_TRIP_FWD_OUT1 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT6	(prm# 320) Output #1 Forward Current Hardware Trip Output #1 Reverse Current Hardware Trip Output #2 Forward Current Hardware Trip Output #2 Reverse Current Hardware Trip Output #3 Forward Current Hardware Trip Output #3 Forward Current Hardware Trip Output #4 Forward Current Hardware Trip Output #4 Reverse Current Hardware Trip Output #4 Reverse Current Hardware Trip Output #5 Forward Current Hardware Trip Output #5 Reverse Current Hardware Trip Output #5 Reverse Current Hardware Trip Output #6 Forward Current Hardware Trip
9 10 11 12 13 14 15 BitNr 0 1 2 2 3 4 5 6 7 8 9 10 11	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16 Fault Description ERR_DFR1_HW_TRIP_FWD_OUT1 ERR_DFR1_HW_TRIP_FWD_OUT1 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6	(prm# 320) Output #1 Forward Current Hardware Trip Output #1 Reverse Current Hardware Trip Output #2 Forward Current Hardware Trip Output #2 Reverse Current Hardware Trip Output #3 Forward Current Hardware Trip Output #3 Reverse Current Hardware Trip Output #3 Reverse Current Hardware Trip Output #4 Forward Current Hardware Trip Output #4 Reverse Current Hardware Trip Output #5 Forward Current Hardware Trip Output #5 Reverse Current Hardware Trip Output #6 Forward Current Hardware Trip Output #6 Forward Current Hardware Trip Output #6 Reverse Current Hardware Trip
9 10 11 12 13 14 15 BitNr 0 1 2 3 4 5 6 7 8 9 10 11 12	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16 Fault Description ERR_DFR1_HW_TRIP_FWD_OUT1 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_REV_OUT3 ERR_DFR1_HW_TRIP_REV_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6	(prm# 320) Output #1 Forward Current Hardware Trip Output #1 Reverse Current Hardware Trip Output #2 Forward Current Hardware Trip Output #2 Forward Current Hardware Trip Output #3 Forward Current Hardware Trip Output #3 Reverse Current Hardware Trip Output #3 Reverse Current Hardware Trip Output #4 Forward Current Hardware Trip Output #4 Reverse Current Hardware Trip Output #5 Forward Current Hardware Trip Output #5 Forward Current Hardware Trip Output #6 Forward Current Hardware Trip Output #6 Reverse Current Hardware Trip Output #6 Reverse Current Hardware Trip Output #6 Reverse Current Hardware Trip Output #7 Forward Current Hardware Trip
9 10 11 12 13 14 15 BitNr 0 1 2 3 4 4 5 6 6 7 8 9 10 11 11 12 13	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16 Fault Description ERR_DFR1_HW_TRIP_FWD_OUT1 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7	(prm# 320) Output #1 Forward Current Hardware Trip Output #2 Forward Current Hardware Trip Output #2 Forward Current Hardware Trip Output #2 Reverse Current Hardware Trip Output #3 Forward Current Hardware Trip Output #3 Reverse Current Hardware Trip Output #4 Forward Current Hardware Trip Output #4 Forward Current Hardware Trip Output #4 Reverse Current Hardware Trip Output #5 Forward Current Hardware Trip Output #5 Forward Current Hardware Trip Output #5 Reverse Current Hardware Trip Output #6 Reverse Current Hardware Trip Output #6 Reverse Current Hardware Trip Output #7 Forward Current Hardware Trip Output #7 Reverse Current Hardware Trip
9 10 11 12 13 14 15 BitNr 0 1 2 3 4 5 6 7 8 9 10 11 12	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16 Fault Description ERR_DFR1_HW_TRIP_FWD_OUT1 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_REV_OUT3 ERR_DFR1_HW_TRIP_REV_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6	(prm# 320) Output #1 Forward Current Hardware Trip Output #1 Reverse Current Hardware Trip Output #2 Forward Current Hardware Trip Output #2 Forward Current Hardware Trip Output #3 Forward Current Hardware Trip Output #3 Reverse Current Hardware Trip Output #3 Reverse Current Hardware Trip Output #4 Forward Current Hardware Trip Output #4 Reverse Current Hardware Trip Output #5 Forward Current Hardware Trip Output #5 Forward Current Hardware Trip Output #6 Forward Current Hardware Trip Output #6 Reverse Current Hardware Trip Output #6 Reverse Current Hardware Trip Output #6 Reverse Current Hardware Trip Output #7 Forward Current Hardware Trip
9 10 11 12 13 14 15 BitNr 0 1 2 3 4 5 6 6 7 8 9 10 11 12 13 14 15	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16 Fault Description ERR_DFR1_HW_TRIP_FWD_OUT1 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7	(prm# 320) Output #1 Forward Current Hardware Trip Output #2 Forward Current Hardware Trip Output #2 Forward Current Hardware Trip Output #2 Reverse Current Hardware Trip Output #3 Forward Current Hardware Trip Output #3 Reverse Current Hardware Trip Output #4 Forward Current Hardware Trip Output #4 Forward Current Hardware Trip Output #4 Reverse Current Hardware Trip Output #5 Forward Current Hardware Trip Output #5 Reverse Current Hardware Trip Output #6 Forward Current Hardware Trip Output #6 Forward Current Hardware Trip Output #7 Forward Current Hardware Trip Output #7 Forward Current Hardware Trip Output #7 Forward Current Hardware Trip Output #7 Reverse Current Hardware Trip Output #7 Forward Current Hardware Trip Output #8 Forward Current Hardware Trip
9 10 11 12 13 14 15 BitNr 0 1 2 3 4 5 6 6 7 8 9 10 11 12 13 14 15	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16 Fault Description ERR_DFR1_HW_TRIP_FWD_OUT1 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT8	(prm# 320) Output #1 Forward Current Hardware Trip Output #2 Forward Current Hardware Trip Output #2 Forward Current Hardware Trip Output #2 Reverse Current Hardware Trip Output #3 Forward Current Hardware Trip Output #3 Reverse Current Hardware Trip Output #4 Forward Current Hardware Trip Output #4 Forward Current Hardware Trip Output #4 Reverse Current Hardware Trip Output #5 Forward Current Hardware Trip Output #5 Reverse Current Hardware Trip Output #6 Forward Current Hardware Trip Output #6 Forward Current Hardware Trip Output #7 Forward Current Hardware Trip Output #7 Forward Current Hardware Trip Output #7 Forward Current Hardware Trip Output #7 Reverse Current Hardware Trip Output #7 Forward Current Hardware Trip Output #8 Forward Current Hardware Trip
9 10 11 12 13 14 15 BitNr 0 1 2 3 4 5 6 7 8 8 9 10 11 12 13 14 15 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16 Fault Description ERR_DFR1_HW_TRIP_FWD_OUT1 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_REV_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8	(prm# 320) Output #1 Forward Current Hardware Trip Output #1 Reverse Current Hardware Trip Output #2 Forward Current Hardware Trip Output #2 Forward Current Hardware Trip Output #3 Forward Current Hardware Trip Output #3 Reverse Current Hardware Trip Output #4 Forward Current Hardware Trip Output #4 Forward Current Hardware Trip Output #5 Forward Current Hardware Trip Output #5 Forward Current Hardware Trip Output #5 Forward Current Hardware Trip Output #6 Forward Current Hardware Trip Output #6 Reverse Current Hardware Trip Output #6 Reverse Current Hardware Trip Output #7 Forward Current Hardware Trip Output #7 Forward Current Hardware Trip Output #8 Forward Current Hardware Trip Output #8 Forward Current Hardware Trip Output #8 Forward Current Hardware Trip Output #8 Reverse Current Hardware Trip Output #8 Reverse Current Hardware Trip Output #8 Reverse Current Hardware Trip Output #8 Reverse Current Hardware Trip Output #8 Reverse Current Hardware Trip
9 10 11 12 13 14 15 BitNr 0 1 1 2 3 4 5 6 6 7 8 8 9 10 11 12 13 14 15	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16 Fault Description ERR_DFR1_HW_TRIP_FWD_OUT1 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_REV_OUT8	Cutput #1 Forward Current Hardware Trip
9 10 11 12 13 14 15 BitNr 0 1 2 3 4 5 6 7 8 8 9 10 11 12 13 14 15 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16 Fault Description ERR_DFR1_HW_TRIP_FWD_OUT1 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_REV_OUT8	Cutput #1 Forward Current Hardware Trip
9 10 11 12 13 14 15 BitNr 0 0 1 2 3 4 5 6 6 7 8 9 10 11 12 13 14 15 15 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16 Fault Description ERR_DFR1_HW_TRIP_FWD_OUT1 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_REV_OUT8 ERR_DFR1_HW_TRIP_REV_OUT8 ERR_DFR2_SW_TRIP_IFWD_1 ERR_DFR2_SW_TRIP_IFWD_1 ERR_DFR2_SW_TRIP_IFWD_2	Cutput #1 Forward Current Hardware Trip
9 10 11 12 13 14 15 BitNr 0 1 2 3 4 5 6 7 8 8 9 10 11 12 13 14 15 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16 Fault Description ERR_DFR1_HW_TRIP_FWD_OUT1 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR2_SW_TRIP_IFWD_1 ERR_DFR2_SW_TRIP_IFWD_2 ERR_DFR2_SW_TRIP_IFWD_2 ERR_DFR2_SW_TRIP_IREV_2	Cutput #1 Forward Current Hardware Trip
9 10 11 12 13 14 15 0 1 1 2 3 4 5 6 6 7 8 8 9 10 11 12 13 14 15 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16 Fault Description ERR_DFR1_HW_TRIP_FWD_OUT1 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_REV_OUT8 Fault Description ERR_DFR2_SW_TRIP_IFWD_1 ERR_DFR2_SW_TRIP_IFWD_2 ERR_DFR2_SW_TRIP_IFWD_2 ERR_DFR2_SW_TRIP_IFWD_3	Coutput #1 Forward Current Hardware Trip
9 10 11 12 13 14 15 BitNr 0 0 1 2 3 4 5 6 6 7 8 9 10 11 12 13 14 15 15 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16 Fault Description ERR_DFR1_HW_TRIP_FWD_OUT1 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR2_SW_TRIP_IFWD_1 ERR_DFR2_SW_TRIP_IFWD_2 ERR_DFR2_SW_TRIP_IFWD_2 ERR_DFR2_SW_TRIP_IREV_2	Cutput #1 Forward Current Hardware Trip
9 10 11 12 13 14 15 0 1 1 2 3 4 5 6 6 7 8 8 9 10 11 12 13 14 15 5 6 6 7 7 8 8 9 10 11 11 11 11 11 11 11 11 11 11 11 11	ERR_FR3_RESERVED_9 ERR_FR3_RESERVED_10 ERR_FR3_RESERVED_11 ERR_FR3_RESERVED_12 ERR_FR3_RESERVED_13 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_14 ERR_FR3_RESERVED_15 ERR_FR3_RESERVED_16 Fault Description ERR_DFR1_HW_TRIP_FWD_OUT1 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT2 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT3 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT4 ERR_DFR1_HW_TRIP_FWD_OUT5 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT6 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT7 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR1_HW_TRIP_FWD_OUT8 ERR_DFR2_SW_TRIP_IFWD_1 ERR_DFR2_SW_TRIP_IFWD_2 ERR_DFR2_SW_TRIP_IFWD_3 ERR_DFR2_SW_TRIP_IFWD_3 ERR_DFR2_SW_TRIP_IFEV_3	Coutput #1 Forward Current Hardware Trip

25/11/2015 Page 6 / 7



8	ERR_DFR2_SW_TRIP_IFWD_5	Measured fwd current level of output #5 is too high
9	ERR_DFR2_SW_TRIP_IREV_5	Measured rev current level of output #5 is too high
10	ERR_DFR2_SW_TRIP_IFWD_6	Measured fwd current level of output #6 is too high
11	ERR_DFR2_SW_TRIP_IREV_6	Measured rev current level of output #6 is too high
12	ERR_DFR2_SW_TRIP_IFWD_7	Measured fwd current level of output #7 is too high
13	ERR_DFR2_SW_TRIP_IREV_7	Measured rev current level of output #7 is too high
14	ERR_DFR2_SW_TRIP_IFWD_8	Measured fwd current level of output #8 is too high
15	ERR_DFR2_SW_TRIP_IREV_8	Measured rev current level of output #8 is too high
		Fault masks for DetailedFaults3
BitNr	Fault Description	(prm# 322)
0	ERR_DFR3_SW_TRIP_VFWD_1	Measured fwd voltage of output #1 is too high
1	ERR_DFR3_SW_TRIP_VREV_1	Measured rev voltage of output #1 is too high
2	ERR_DFR3_SW_TRIP_VFWD_2	Measured fwd voltage of output #2 is too high
3	ERR_DFR3_SW_TRIP_VREV_2	Measured rev voltage of output #2 is too high
4	ERR_DFR3_SW_TRIP_VFWD_3	Measured fwd voltage of output #3 is too high
5	ERR_DFR3_SW_TRIP_VREV_3	Measured rev voltage of output #3 is too high
6	ERR_DFR3_SW_TRIP_VFWD_4	Measured fwd voltage of output #4 is too high
7	ERR_DFR3_SW_TRIP_VREV_4	Measured rev voltage of output #4 is too high
8	ERR_DFR3_SW_TRIP_VFWD_5	Measured fwd voltage of output #5 is too high
9	ERR_DFR3_SW_TRIP_VREV_5	Measured rev voltage of output #5 is too high
10	ERR_DFR3_SW_TRIP_VFWD_6	Measured fwd voltage of output #6 is too high
11	ERR DFR3 SW TRIP VREV 6	Measured rev voltage of output #6 is too high
12	ERR DFR3 SW TRIP VFWD 7	Measured fwd voltage of output #7 is too high
13	ERR_DFR3_SW_TRIP_VREV_7	Measured rev voltage of output #7 is too high
14	ERR_DFR3_SW_TRIP_VFWD_8	Measured fwd voltage of output #8 is too high
15	ERR_DFR3_SW_TRIP_VREV_8	Measured rev voltage of output #8 is too high
		Total Control of Company of the Control of C
-	I .	Status masks for Status Don't
Distri	01-1	Status masks for StatusReg1
BitNr	Status code	(prm# 310)
U	ST_SR1_CHARGING	Supply is charging the DC-link. Status is cleared when DC-link reached its voltage
1	ST_SR1_LOADINGDEFAULTS	Busy loading defaults to eeprom
2	ST_SR1_EEPROM_INT_TO_EXT	Busy copying config parameters from internal to external eeprom
3	ST_SR1_EEPROM_EXT_TO_INT	Busy copying config parameters from external to internal eeprom
4	ST_SR1_WAITING	Waiting for Power to be switched off, restart with dipswitch #3 on to initialize the eeprom
5	ST_SR1_DIPSW_FORCED_ADDRESS	Dipswitch #4 is on, MODBUS Address forced to 1 and Baudrate to 19k2
6	ST_SR1_EEPROM_BUSY	Busy Reading/Writing EEPROM
7	ST_SR1_GENERAL_IRMS	This input exceeds the maximum allowed RMS current of a output (detailed in StatusRegs3)
8	ST_SR1_Reserved1	super of observed in the manifest and out of the control of out of the control of the cont
9	ST_SR1_EXCEEDED_IDCLINK1	Primary DClink current exceeds the maximum allowed value
10	ST_SR1_CONTROLSUPPLY_LOW	Warning Control voltage passes threshold of CtrlVoltageThreshold parameter (9200)
11	ST_SR1_DSP_WATCHDOG	Watchdog of DSP has been active
12	ST_SR1_IOCONTROLLER_WATCHDOG	Watchdog of IOcontroller has been active
		IThere is an ever current or current too low cituation on any cutout
13	ST_SR1_GENERAL_THRESHOLD	There is an over-current or current-too-low situation on any output
13 14	ST_SR1_DSP_STANDALONE	DSP took over complete control
14	ST_SR1_DSP_STANDALONE	DSP took over complete control
14	ST_SR1_DSP_STANDALONE	DSP took over complete control
14	ST_SR1_DSP_STANDALONE ST_SR1_EXCEEDED_IDCLINK2 Status Description	DSP took over complete control Secundary DClink current exceeds the maximum allowed value Detailed status masks StatusReg2 (prm# 311)
14 15	ST_SR1_DSP_STANDALONE ST_SR1_EXCEEDED_IDCLINK2 Status Description ST_SR2_THRESH_IFWD_1	DSP took over complete control Secundary DClink current exceeds the maximum allowed value Detailed status masks StatusReg2 (prm# 311)
14 15 BitNr	ST_SR1_DSP_STANDALONE ST_SR1_EXCEEDED_IDCLINK2 Status Description	DSP took over complete control Secundary DClink current exceeds the maximum allowed value Detailed status masks StatusReg2
14 15 BitNr 0	ST_SR1_DSP_STANDALONE ST_SR1_EXCEEDED_IDCLINK2 Status Description ST_SR2_THRESH_IFWD_1	DSP took over complete control Secundary DClink current exceeds the maximum allowed value Detailed status masks StatusReg2 (prm# 311) Threshold of fwd current of output #1 is surpassed
14 15 BitNr 0 1	ST_SR1_DSP_STANDALONE ST_SR1_EXCEEDED_IDCLINK2 Status Description ST_SR2_THRESH_IFWD_1 ST_SR2_THRESH_IREV_1 ST_SR2_THRESH_IFWD_2	DSP took over complete control Secundary DClink current exceeds the maximum allowed value Detailed status masks StatusReg2 (prm# 311) Threshold of fwd current of output #1 is surpassed Threshold of rev current of output #1 is surpassed Threshold of fwd current of output #2 is surpassed
14 15 BitNr 0	ST_SR1_DSP_STANDALONE ST_SR1_EXCEEDED_IDCLINK2 Status Description ST_SR2_THRESH_IFWD_1 ST_SR2_THRESH_IREV_1 ST_SR2_THRESH_IFWD_2 ST_SR2_THRESH_IREV_2	DSP took over complete control Secundary DClink current exceeds the maximum allowed value Detailed status masks StatusReg2 (prm# 311) Threshold of fwd current of output #1 is surpassed Threshold of rev current of output #1 is surpassed Threshold of fwd current of output #2 is surpassed Threshold of rev current of output #2 is surpassed
14 15 BitNr 0 1	ST_SR1_DSP_STANDALONE ST_SR1_EXCEEDED_IDCLINK2 Status Description ST_SR2_THRESH_IFWD_1 ST_SR2_THRESH_IREV_1 ST_SR2_THRESH_IFWD_2 ST_SR2_THRESH_IREV_2 ST_SR2_THRESH_IFWD_3	DSP took over complete control Secundary DClink current exceeds the maximum allowed value Detailed status masks StatusReg2 (prm# 311) Threshold of fwd current of output #1 is surpassed Threshold of rev current of output #2 is surpassed Threshold of fwd current of output #2 is surpassed Threshold of fev current of output #2 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of fwd current of output #3 is surpassed
14 15 BitNr 0 1 2 3 4 5	ST_SR1_DSP_STANDALONE ST_SR1_EXCEEDED_IDCLINK2 Status Description ST_SR2_THRESH_IFWD_1 ST_SR2_THRESH_IREV_1 ST_SR2_THRESH_IFWD_2 ST_SR2_THRESH_IREV_2 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IREV_3	DSP took over complete control Secundary DClink current exceeds the maximum allowed value Detailed status masks StatusReg2 (prm# 311) Threshold of fwd current of output #1 is surpassed Threshold of rev current of output #2 is surpassed Threshold of fwd current of output #2 is surpassed Threshold of rev current of output #2 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of rev current of output #3 is surpassed
14 15 BitNr 0 1	ST_SR1_DSP_STANDALONE ST_SR1_EXCEEDED_IDCLINK2 Status Description ST_SR2_THRESH_IFWD_1 ST_SR2_THRESH_IREV_1 ST_SR2_THRESH_IFWD_2 ST_SR2_THRESH_IREV_2 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IREV_3 ST_SR2_THRESH_IFWD_4	DSP took over complete control Secundary DClink current exceeds the maximum allowed value Detailed status masks StatusReg2 (prm# 311) Threshold of fwd current of output #1 is surpassed Threshold of rev current of output #1 is surpassed Threshold of fwd current of output #2 is surpassed Threshold of rev current of output #2 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of fwd current of output #4 is surpassed Threshold of fwd current of output #4 is surpassed
14 15 BitNr 0 1 2 3 4 5 6 7	ST_SR1_DSP_STANDALONE ST_SR1_EXCEEDED_IDCLINK2 Status Description ST_SR2_THRESH_IFWD_1 ST_SR2_THRESH_IREV_1 ST_SR2_THRESH_IFWD_2 ST_SR2_THRESH_IREV_2 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IFEV_3 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_4	DSP took over complete control Secundary DClink current exceeds the maximum allowed value Detailed status masks StatusReg2 (prm# 311) Threshold of fwd current of output #1 is surpassed Threshold of rev current of output #1 is surpassed Threshold of fwd current of output #2 is surpassed Threshold of fwd current of output #2 is surpassed Threshold of rev current of output #3 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of fwd current of output #4 is surpassed Threshold of fvd current of output #4 is surpassed Threshold of rev current of output #4 is surpassed
14 15 0 1 2 3 4 5 6 7 8	ST_SR1_DSP_STANDALONE ST_SR1_EXCEEDED_IDCLINK2 Status Description ST_SR2_THRESH_IFWD_1 ST_SR2_THRESH_IFWD_2 ST_SR2_THRESH_IFWD_2 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_5	DSP took over complete control Secundary DClink current exceeds the maximum allowed value Detailed status masks StatusReg2 (prm# 311) Threshold of fwd current of output #1 is surpassed Threshold of rev current of output #1 is surpassed Threshold of fwd current of output #2 is surpassed Threshold of fwd current of output #2 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of rev current of output #3 is surpassed Threshold of fwd current of output #4 is surpassed Threshold of fwd current of output #4 is surpassed Threshold of fwd current of output #4 is surpassed Threshold of fwd current of output #4 is surpassed Threshold of fwd current of output #5 is surpassed
BitNr 0 1 2 3 4 5 6 7 8 9	ST_SR1_DSP_STANDALONE ST_SR1_EXCEEDED_IDCLINK2 Status Description ST_SR2_THRESH_IFWD_1 ST_SR2_THRESH_IFWD_2 ST_SR2_THRESH_IFWD_2 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_5 ST_SR2_THRESH_IFWD_5 ST_SR2_THRESH_IFWD_5	DSP took over complete control Secundary DClink current exceeds the maximum allowed value Detailed status masks StatusReg2 (prm# 311) Threshold of fwd current of output #1 is surpassed Threshold of rev current of output #1 is surpassed Threshold of fwd current of output #2 is surpassed Threshold of fwd current of output #2 is surpassed Threshold of rev current of output #2 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of rev current of output #3 is surpassed Threshold of fwd current of output #4 is surpassed Threshold of fwd current of output #4 is surpassed Threshold of fwd current of output #5 is surpassed Threshold of fwd current of output #5 is surpassed Threshold of rev current of output #5 is surpassed Threshold of rev current of output #5 is surpassed
14 15 0 1 2 3 4 5 6 7 8 9	ST_SR1_DSP_STANDALONE ST_SR1_EXCEEDED_IDCLINK2 Status Description ST_SR2_THRESH_IFWD_1 ST_SR2_THRESH_IREV_1 ST_SR2_THRESH_IREV_2 ST_SR2_THRESH_IREV_2 ST_SR2_THRESH_IREV_3 ST_SR2_THRESH_IREV_3 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IREV_4 ST_SR2_THRESH_IREV_4 ST_SR2_THRESH_IREV_5 ST_SR2_THRESH_IREV_5 ST_SR2_THRESH_IREV_5 ST_SR2_THRESH_IFWD_6	DSP took over complete control Secundary DClink current exceeds the maximum allowed value Detailed status masks StatusReg2 (prm# 311) Threshold of fwd current of output #1 is surpassed Threshold of rev current of output #1 is surpassed Threshold of fwd current of output #2 is surpassed Threshold of rev current of output #2 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of fwd current of output #4 is surpassed Threshold of fwd current of output #4 is surpassed Threshold of fwd current of output #5 is surpassed Threshold of fwd current of output #5 is surpassed Threshold of fwd current of output #5 is surpassed Threshold of fwd current of output #6 is surpassed Threshold of fwd current of output #6 is surpassed
14 15 BitNr 0 1 2 3 4 5 6 7 8 9 10	ST_SR1_DSP_STANDALONE ST_SR1_EXCEEDED_IDCLINK2 Status Description ST_SR2_THRESH_IFWD_1 ST_SR2_THRESH_IFWD_2 ST_SR2_THRESH_IFWD_2 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_5 ST_SR2_THRESH_IREV_4 ST_SR2_THRESH_IREV_5 ST_SR2_THRESH_IREV_5 ST_SR2_THRESH_IFWD_5 ST_SR2_THRESH_IFWD_6 ST_SR2_THRESH_IFWD_6 ST_SR2_THRESH_IFWD_6 ST_SR2_THRESH_IREV_6	DSP took over complete control Secundary DClink current exceeds the maximum allowed value Detailed status masks StatusReg2 (prm# 311) Threshold of fwd current of output #1 is surpassed Threshold of rev current of output #1 is surpassed Threshold of fwd current of output #2 is surpassed Threshold of rev current of output #2 is surpassed Threshold of fwd current of output #2 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of fwd current of output #4 is surpassed Threshold of fwd current of output #4 is surpassed Threshold of rev current of output #5 is surpassed Threshold of fwd current of output #5 is surpassed Threshold of fwd current of output #6 is surpassed Threshold of fwd current of output #6 is surpassed Threshold of rev current of output #6 is surpassed Threshold of rev current of output #6 is surpassed
14 15 0 1 2 3 4 5 6 7 8 9 10 11 12	ST_SR1_DSP_STANDALONE ST_SR1_EXCEEDED_IDCLINK2 Status Description ST_SR2_THRESH_IFWD_1 ST_SR2_THRESH_IREV_1 ST_SR2_THRESH_IREV_2 ST_SR2_THRESH_IREV_2 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_5 ST_SR2_THRESH_IFWD_5 ST_SR2_THRESH_IREV_4 ST_SR2_THRESH_IREV_5 ST_SR2_THRESH_IREV_5 ST_SR2_THRESH_IREV_6 ST_SR2_THRESH_IREV_6 ST_SR2_THRESH_IREV_6 ST_SR2_THRESH_IFWD_7	DSP took over complete control Secundary DClink current exceeds the maximum allowed value Detailed status masks StatusReg2 (prm# 311) Threshold of fwd current of output #1 is surpassed Threshold of rev current of output #1 is surpassed Threshold of fwd current of output #2 is surpassed Threshold of rev current of output #2 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of rev current of output #3 is surpassed Threshold of fwd current of output #4 is surpassed Threshold of fwd current of output #4 is surpassed Threshold of rev current of output #5 is surpassed Threshold of rev current of output #5 is surpassed Threshold of rev current of output #6 is surpassed Threshold of fwd current of output #6 is surpassed Threshold of fwd current of output #6 is surpassed Threshold of fwd current of output #6 is surpassed Threshold of fwd current of output #6 is surpassed Threshold of fwd current of output #6 is surpassed Threshold of fwd current of output #7 is surpassed
14 15 0 1 2 3 4 5 6 7 8 9 10 11 12 13	ST_SR1_DSP_STANDALONE ST_SR1_EXCEEDED_IDCLINK2 Status Description ST_SR2_THRESH_IFWD_1 ST_SR2_THRESH_IREV_1 ST_SR2_THRESH_IREV_2 ST_SR2_THRESH_IREV_2 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_5 ST_SR2_THRESH_IFWD_5 ST_SR2_THRESH_IREV_5 ST_SR2_THRESH_IREV_5 ST_SR2_THRESH_IFWD_6 ST_SR2_THRESH_IREV_6 ST_SR2_THRESH_IFWD_6 ST_SR2_THRESH_IFWD_7 ST_SR2_THRESH_IFWD_7 ST_SR2_THRESH_IFWD_7	DSP took over complete control Secundary DClink current exceeds the maximum allowed value Detailed status masks StatusReg2 (prm# 311) Threshold of fwd current of output #1 is surpassed Threshold of rev current of output #1 is surpassed Threshold of fwd current of output #2 is surpassed Threshold of fwd current of output #2 is surpassed Threshold of rev current of output #3 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of rev current of output #3 is surpassed Threshold of rev current of output #4 is surpassed Threshold of fwd current of output #4 is surpassed Threshold of fwd current of output #4 is surpassed Threshold of fwd current of output #5 is surpassed Threshold of fwd current of output #6 is surpassed Threshold of fwd current of output #6 is surpassed Threshold of fwd current of output #6 is surpassed Threshold of fwd current of output #7 is surpassed Threshold of fwd current of output #7 is surpassed Threshold of rev current of output #7 is surpassed Threshold of rev current of output #7 is surpassed
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14 15 0 1 2 3 4 5 6 7 8 9 10 11 12 13	ST_SR1_DSP_STANDALONE ST_SR1_EXCEEDED_IDCLINK2 Status Description ST_SR2_THRESH_IFWD_1 ST_SR2_THRESH_IREV_1 ST_SR2_THRESH_IREV_2 ST_SR2_THRESH_IREV_2 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_5 ST_SR2_THRESH_IFWD_5 ST_SR2_THRESH_IREV_5 ST_SR2_THRESH_IREV_5 ST_SR2_THRESH_IFWD_6 ST_SR2_THRESH_IREV_6 ST_SR2_THRESH_IFWD_6 ST_SR2_THRESH_IFWD_7 ST_SR2_THRESH_IFWD_7 ST_SR2_THRESH_IFWD_7	DSP took over complete control Secundary DClink current exceeds the maximum allowed value Detailed status masks StatusReg2 (prm# 311) Threshold of fwd current of output #1 is surpassed Threshold of rev current of output #1 is surpassed Threshold of fwd current of output #2 is surpassed Threshold of fwd current of output #2 is surpassed Threshold of rev current of output #3 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of rev current of output #3 is surpassed Threshold of rev current of output #4 is surpassed Threshold of fwd current of output #4 is surpassed Threshold of fwd current of output #4 is surpassed Threshold of fwd current of output #5 is surpassed Threshold of fwd current of output #6 is surpassed Threshold of fwd current of output #6 is surpassed Threshold of fwd current of output #6 is surpassed Threshold of fwd current of output #7 is surpassed Threshold of fwd current of output #7 is surpassed Threshold of rev current of output #7 is surpassed Threshold of rev current of output #7 is surpassed
14 15 0 1 2 3 4 5 6 7 8 9 10 11 12 13	ST_SR1_DSP_STANDALONE ST_SR1_EXCEEDED_IDCLINK2 Status Description ST_SR2_THRESH_IFWD_1 ST_SR2_THRESH_IFWD_2 ST_SR2_THRESH_IFWD_2 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_5 ST_SR2_THRESH_IFWD_5 ST_SR2_THRESH_IFWD_5 ST_SR2_THRESH_IFWD_6 ST_SR2_THRESH_IFWD_6 ST_SR2_THRESH_IFWD_6 ST_SR2_THRESH_IFWD_7 ST_SR2_THRESH_IFWD_7 ST_SR2_THRESH_IFWD_7 ST_SR2_THRESH_IFWD_7 ST_SR2_THRESH_IFWD_7 ST_SR2_THRESH_IFWD_8	DSP took over complete control Secundary DClink current exceeds the maximum allowed value Detailed status masks StatusReg2 (prm# 311) Threshold of fwd current of output #1 is surpassed Threshold of rev current of output #1 is surpassed Threshold of fwd current of output #2 is surpassed Threshold of fwd current of output #2 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of rev current of output #3 is surpassed Threshold of rev current of output #4 is surpassed Threshold of fwd current of output #4 is surpassed Threshold of fwd current of output #5 is surpassed Threshold of fwd current of output #5 is surpassed Threshold of fwd current of output #6 is surpassed Threshold of fwd current of output #6 is surpassed Threshold of fwd current of output #6 is surpassed Threshold of fwd current of output #7 is surpassed Threshold of fwd current of output #7 is surpassed Threshold of fwd current of output #7 is surpassed Threshold of fwd current of output #7 is surpassed Threshold of fwd current of output #7 is surpassed Threshold of fwd current of output #8 is surpassed Threshold of fwd current of output #8 is surpassed
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14 15 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	ST_SR1_DSP_STANDALONE ST_SR1_EXCEEDED_IDCLINK2 Status Description ST_SR2_THRESH_IFWD_1 ST_SR2_THRESH_IFWD_1 ST_SR2_THRESH_IFWD_2 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_5 ST_SR2_THRESH_IFWD_5 ST_SR2_THRESH_IFWD_5 ST_SR2_THRESH_IFWD_6 ST_SR2_THRESH_IFWD_6 ST_SR2_THRESH_IFWD_6 ST_SR2_THRESH_IFWD_7 ST_SR2_THRESH_IFWD_7 ST_SR2_THRESH_IFWD_7 ST_SR2_THRESH_IFWD_7 ST_SR2_THRESH_IFWD_8 ST_SR2_THRESH_IFWD_8 ST_SR2_THRESH_IFWD_8 ST_SR2_THRESH_IREV_8 Status Description ST_SR3_IRMS_1 ST_SR3_IRMS_2	DSP took over complete control Secundary DClink current exceeds the maximum allowed value Detailed status masks StatusReg2 (prm# 311) Threshold of fwd current of output #1 is surpassed Threshold of rev current of output #2 is surpassed Threshold of fwd current of output #2 is surpassed Threshold of rev current of output #3 is surpassed Threshold of rev current of output #3 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of fwd current of output #4 is surpassed Threshold of rev current of output #4 is surpassed Threshold of rev current of output #5 is surpassed Threshold of fwd current of output #5 is surpassed Threshold of fwd current of output #6 is surpassed Threshold of fwd current of output #6 is surpassed Threshold of fwd current of output #6 is surpassed Threshold of fwd current of output #7 is surpassed Threshold of fwd current of output #7 is surpassed Threshold of fwd current of output #7 is surpassed Threshold of fwd current of output #8 is surpassed Threshold of fwd current of output #8 is surpassed Threshold of fwd current of output #8 is surpassed Threshold of fwd current of output #8 is surpassed Threshold of fwd current of output #8 is surpassed Threshold of fwd current of output #8 is surpassed Threshold of fwd current of output #8 is surpassed Threshold of fwd current of output #8 is surpassed Threshold of fwd current of output #8 is surpassed Threshold of fwd current of output #8 is surpassed Threshold of fwd current of output #8 is surpassed Threshold of fwd current of output #8 is surpassed Threshold of fwd current of output #8 is surpassed Threshold of fwd current of output #8 is surpassed Threshold of fwd current of output #8 is surpassed Threshold of fwd current of output #8 is surpassed Threshold of fwd current of output #8 is surpassed Threshold of fwd current of output #8 is surpassed Threshold of fwd current of output #8 is surpassed
14 15 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	ST_SR1_DSP_STANDALONE ST_SR1_EXCEEDED_IDCLINK2 Status Description ST_SR2_THRESH_IFWD_1 ST_SR2_THRESH_IFWD_1 ST_SR2_THRESH_IFWD_2 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_5 ST_SR2_THRESH_IFWD_5 ST_SR2_THRESH_IFWD_6 ST_SR2_THRESH_IFWD_6 ST_SR2_THRESH_IFWD_6 ST_SR2_THRESH_IFWD_7 ST_SR2_THRESH_IFWD_7 ST_SR2_THRESH_IFWD_7 ST_SR2_THRESH_IFWD_7 ST_SR2_THRESH_IFWD_8 ST_SR2_THRESH_IFWD_8 ST_SR2_THRESH_IREV_8 ST_SR2_THRESH_IREV_8 ST_SR3_IRMS_1 ST_SR3_IRMS_1 ST_SR3_IRMS_2 ST_SR3_IRMS_3	DSP took over complete control Secundary DClink current exceeds the maximum allowed value Detailed status masks StatusReg2 (prm# 311) Threshold of fwd current of output #1 is surpassed Threshold of rev current of output #2 is surpassed Threshold of fwd current of output #2 is surpassed Threshold of rev current of output #3 is surpassed Threshold of rev current of output #3 is surpassed Threshold of rev current of output #3 is surpassed Threshold of rev current of output #4 is surpassed Threshold of rev current of output #4 is surpassed Threshold of rev current of output #4 is surpassed Threshold of rev current of output #5 is surpassed Threshold of rev current of output #5 is surpassed Threshold of rev current of output #6 is surpassed Threshold of rev current of output #6 is surpassed Threshold of rev current of output #6 is surpassed Threshold of rev current of output #7 is surpassed Threshold of rev current of output #8 is surpassed Threshold of rev current
14 15 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	ST_SR1_DSP_STANDALONE ST_SR1_EXCEEDED_IDCLINK2 Status Description ST_SR2_THRESH_IFWD_1 ST_SR2_THRESH_IFWD_1 ST_SR2_THRESH_IFWD_2 ST_SR2_THRESH_IFWD_2 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_5 ST_SR2_THRESH_IFWD_5 ST_SR2_THRESH_IFWD_5 ST_SR2_THRESH_IFWD_6 ST_SR2_THRESH_IFWD_6 ST_SR2_THRESH_IFWD_7 ST_SR2_THRESH_IFWD_7 ST_SR2_THRESH_IFWD_7 ST_SR2_THRESH_IFWD_7 ST_SR2_THRESH_IFWD_8 ST_SR2_THRESH_IFWD_8 ST_SR2_THRESH_IFWD_8 ST_SR2_THRESH_IFWD_8 ST_SR2_THRESH_IFWD_8 ST_SR3_TRMS_1 ST_SR3_IRMS_1 ST_SR3_IRMS_3 ST_SR3_IRMS_3 ST_SR3_IRMS_4	DSP took over complete control Secundary DClink current exceeds the maximum allowed value Detailed status masks StatusReg2 (prm# 311) Threshold of fwd current of output #1 is surpassed Threshold of rev current of output #1 is surpassed Threshold of fwd current of output #2 is surpassed Threshold of rev current of output #2 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of rev current of output #3 is surpassed Threshold of rev current of output #4 is surpassed Threshold of fwd current of output #4 is surpassed Threshold of fwd current of output #5 is surpassed Threshold of fwd current of output #5 is surpassed Threshold of fwd current of output #5 is surpassed Threshold of fwd current of output #6 is surpassed Threshold of fwd current of output #6 is surpassed Threshold of fwd current of output #7 is surpassed Threshold of fwd current of output #8 is surpassed Threshold of rev curren
14 15 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 BitNr 0 1 1 2 3 4 5 6 7 8 9 9 1 0 1 1 2 1 3 1 4 1 5	ST_SR1_DSP_STANDALONE ST_SR1_EXCEEDED_IDCLINK2 Status Description ST_SR2_THRESH_IFWD_1 ST_SR2_THRESH_IFWD_2 ST_SR2_THRESH_IFWD_2 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IFWD_3 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_4 ST_SR2_THRESH_IFWD_5 ST_SR2_THRESH_IFWD_5 ST_SR2_THRESH_IFWD_5 ST_SR2_THRESH_IFWD_6 ST_SR2_THRESH_IFWD_6 ST_SR2_THRESH_IFWD_7 ST_SR2_THRESH_IFWD_7 ST_SR2_THRESH_IFWD_7 ST_SR2_THRESH_IFWD_8 ST_SR2_THRESH_IFWD_8 ST_SR2_THRESH_IFWD_8 ST_SR2_THRESH_IFWD_8 ST_SR2_THRESH_IFWD_8 ST_SR2_THRESH_IFWD_8 ST_SR3_IRMS_1 ST_SR3_IRMS_1 ST_SR3_IRMS_2 ST_SR3_IRMS_3 ST_SR3_IRMS_5	DSP took over complete control Secundary DClink current exceeds the maximum allowed value Detailed status masks StatusReg2 (prm# 311) Threshold of fwd current of output #1 is surpassed Threshold of rev current of output #1 is surpassed Threshold of fwd current of output #2 is surpassed Threshold of fwd current of output #2 is surpassed Threshold of rev current of output #3 is surpassed Threshold of fwd current of output #3 is surpassed Threshold of fwd current of output #4 is surpassed Threshold of fwd current of output #4 is surpassed Threshold of rev current of output #4 is surpassed Threshold of fwd current of output #4 is surpassed Threshold of fwd current of output #5 is surpassed Threshold of fwd current of output #6 is surpassed Threshold of rev current of output #6 is surpassed Threshold of rev current of output #6 is surpassed Threshold of rev current of output #6 is surpassed Threshold of rev current of output #7 is surpassed Threshold of rev current of output #8 is output #8 is output #8 is output #8 is output #8 is output #8 is output #8 is output
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25/11/2015 Page 7 / 7