Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
System Setup & Status				1	---		---	---	---	---	---	
	Product & Features			30	---		---	---	---	---	---	
			Meter Name	30	---	20	UTF8	RWC	---	PM5xxx = "Power Meter"	Y	
			Meter Model	50	---	20	UTF8	RWC	---	PM5000 = "PM5000" PM5010 = "PM5010" PM5200 = "PM5200" PM5250 = "PM5250" PM5350 = "PM5350"	Y	
			Manufacturer	70	---	20	UTF8	RWC	---	"Schneider Electric"	Y	
			Product ID Number	90	---	1	INT16U	RWC		PM5000 = 15240 PM5010 = 15241 PM5200 = 15242 PM5250 = 15243 PM5350 = 15244 15245 15246 15247 15248 15249 15250 15251 15252 15253 15254	Y	PM5350 = 15234
	Manufacturing Data			120	---		---	---	---	---	---	
		Meter		120	---		---	---	---	---	---	
			Serial Number	130	---	2	INT32U	R		0	Y	
			Date of Manufacture	132	---	4	DATETIME	R	---	0	Y	
			Hardware Revision	136	---	5	UTF8	R	---	0	Y	
	Firmware Versions			1637	---		---	---	---	---	---	
		Operating System		1637	---		---	---	---	---	---	
			Present Firmware Version (DLF Format) X.Y.T	1637	---	1	INT16U	R	0 – 32,767	0	Y	The firmware version takes the following form: XXYYT
			X – Major	1638	---	1	INT16U	R	00 – 99	0	Y	
			Y – Minor	1639	---	1	INT16U	R	0000 – 9999	0	Y	
			Z – Quality	1640	---	1	INT16U	R	0000 – 9999	0	Y	
			Previous Firmware Version (DLF Format) X.Y.T	1642	---	1	INT16U	R	0 – 32,767	0	Y	The firmware version takes the following form: XXYYT
			X – Major	1643	---	1	INT16U	R	00 – 99	0	Y	
			Y – Minor	1644	---	1	INT16U	R	0000 – 9999	0	Y	
			Z – Quality	1645	---	1	INT16U	R	0000 – 9999	0	Y	
			Date/Time of Last Firmware Download	1647	---	4	DATETIME	R	---	N/A	Y	
		Reset		1669	---		---	---	---	---	---	
			Present Firmware Version (DLF Format) X.Y.T	1669	---	1	INT16U	R	0 – 32,767	0	Y	The firmware version takes the following form: XXYYT
		Language		1701	---		---	---	---	---	---	
			Present Firmware Version (DLF Format) X.Y.T	1701	---	1	INT16U	R	0 – 32,767	0	Y	The firmware version takes the following form: XXYYT
	Meter Resets			1822	---		---	---	---	---	---	
			Last Unit Restart DateTime	1824	---	4	DATETIME	R	---	N/A	Y	
			Number of Metering System Restarts	1828	---	1	INT16U	R	---	0	Y	
			Number of Control Power Failures	1829	---	1	INT16U	R	---	0	Y	
			Date/Time of Last Control Power Failure	1830	---	4	DATETIME	R	---	N/A	Y	
			Duration of Last Control Power Failure	1834	seconds	2	INT32U	R	---	0	Y	
			Cause of Last Meter Reset	1836	---	1	INT16U	R	0 – 2	0	Y	0 = Unknown 1 = Reset command 2 = Power failure
	Timekeeping			1837	---		---	---	---	---	---	
		Present Date & Time (7 register format)		1837	---		---	---	---	---	---	
			Year	1837	year	1	INT16U	R	2000 – 2127	2000	N	
			Month	1838	month	1	INT16U	R	1 – 12	1	N	
			Day	1839	days	1	INT16U	R	1 – 31	1	N	
			Hour	1840	hours	1	INT16U	R	0 – 23	0	N	
			Minute	1841	minutes	1	INT16U	R	0 – 59	0	N	
			Second	1842	seconds	1	INT16U	R	0 – 59	0	N	
			Millisecond	1843	msec	1	INT16U	R	0 – 999	0	N	
		Present Date & Time (4 register format)		1845	---		---	---	---	---	---	
			Year	1845	---	1	INT16U	R	0 – 127	0	N	
			Month & Day	1846	---	1	INT16U	R	1 – 12, 1 – 31	0	N	
			Hour & Minute	1847	---	1	INT16U	R	0 – 23, 0 – 59	0	N	
			Milliseconds	1848	---	1	INT16U	R	0 – 59,999	0	N	
	Security			1880	---		---	---	---	---	---	
		Revenue Security		1920	---		---	---	---	---	---	
			Revenue Security Switch Status	1920	---	1	INT16U	R	0 – 1	1	Y	0 = disabled, 1 = enabled
			Revenue Security Status	1921	---	1	INT16U	R	0 – 1	0	Y	0 = inactive, 1 = active

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Date/Time of Last Revenue Security State Change	1922	---	4	DATETIME	R			Y	
Meter Setup & Status				2000	---		---	---	---	---	---	
	Miscellaneous Control & Status			2000	---		---	---	---	---	---	
			Active Load Timer	2002	seconds	2	INT32U	R	---	0	Y	Increments when average current exceeds the Active Load Timer Setpoint.
			Meter Operation Timer	2004	seconds	2	INT32U	R	---	0	Y	
	Metering Setup			2014	---		---	---	---	---	---	
		Power System		2014	---		---	---	---	---	---	
			Number of Phases	2014	---	1	INT16U	RWC	1 or 3	3	Y	Must match Power System Configuration Enumeration
			Number of Wires	2015	---	1	INT16U	RWC	2 – 4	4	Y	Must match Power System Configuration Enumeration
			Power System Configuration	2016	---	1	INT16U	RWC	0 – 13 PM5350: 0 - 12	11	Y	0 = 1ph, 2w, LN 1 = 1ph, 2w, LL 2 = 1ph, 3w, LL with N 3 = 3ph, 3w, Delta, Ungrounded 4 = 3ph, 3w, Delta, Corner Grounded 5 = 3ph, 3w, Wye, Ungrounded 6 = 3ph, 3w, Wye Grounded 7 = 3ph, 3w, Wye, Resistance Grounded 8 = 3ph, 4w, Open Delta, Center-Tapped 9 = 3ph, 4w, Delta, Center-Tapped 10 = 3ph, 4w, Wye, Ungrounded 11 = 3ph, 4w, Wye Grounded 12 = 3ph, 4w, Wye, Resistance Grounded 13 = Multi-Circuit 3 circuit LN 14 = Multi-Circuit 2 Circuit LN (Not used) 15 = Multi-Circuit 1 Cicuit LN (Not used) 16 = Multi-Circuit 3 Circuit LL (Not used) 17 = Multi-Circuit 2 Circuit LL 18 = Multi-Circuit 1 Circuit LL (Not used) 19 = Multi-Circuit 1 Circuit LL 1 Circuit LN (Not used) 20 = Multi-Circuit Wye
			Nominal Frequency	2017	Hz	1	INT16U	RWC	50, 60, 400 PM5350: 50, 60	50	Y	PM5350 does not support 400Hz
			Nominal Voltage	2018	V	2	FLOAT32	RWC	0 – (2xVT Primary or 2,000,000)	230	Y	
			Nominal Current	2020	A	2	FLOAT32	RWC	0 – (4xCT Primary or 50,000)	5	Y	
			Nominal Power Factor	2022	---	2		RWC	+/- 0.0 – 2.0	0.8	Y	
			Normal Phase Rotation	2024	---	1	INT16U	RWC	0 – 1	0	Y	
		Instrument Transformers		2025	---		---	---	---	---	---	
			Number VTs	2025	---	1	INT16U	RWC	Depends on Power System	0	Y	
			VT Primary	2026	V	2	FLOAT32	RWC	VT Secondary – 1,000,000	120	Y	
			VT Secondary	2028	V	1	INT16U	RWC	100, 110, 115, 120	120	Y	
			Number CTs	2029	---	1	INT16U	RWC	Depends on Power System	0	Y	
			CT Primary	2030	A	1	INT16U	RWC	1 – 32,767	5	Y	
			CT Secondary	2031	A	1	INT16U	RWC	1 , 5	5	Y	
			CT Location for 1 or 2 CT Metering	2034	---	1	INT16U	RWC	1 – 3	1	Y	If 1 CT, value is meter terminal connected If 2 CT, value is meter terminal not connected 1 = Phase A, 2 = Phase B, 3 = Phase C
			VT Location for 1 or 2 VT Metering	2035	---	1	INT16U	RWC	1 – 3	1	Y	Must match CT Location
			VT Connection Type	2036	---	1	INT16U	RWC	0 –4	0	Y	0 = Direct Connect 1 = Delta (2 VT) 2 = Wye (3 VT) 3 = L-N (1 VT) 4 = L-L (1 VT) 5 = L-L W/N (2 VT)
		Operating Modes		2046	---		---	---	---	---	---	
			Peak Current Demand Over Last Year	2048	A	2	FLOAT32	RWC		0	Y	Entered by the user for use in calculation of Total Demand Distortion. 0 = Calculation performed using peak demand of 3-phase average current.
			Active Load Timer Setpoint	2050	A	2	FLOAT32	RWC	0 – (10 * CT Ratio)	5	Y	
	Energy Pulse Output Setup			2126	---		---	---	---	---	---	
		Alarm / Ener	Alarm / Energy LED Mode	2126	---	1	INT16U	RWC	0 – 2	1	Y	0 = Disable, 1 = Active Alarm (default), 2 = Energy
		Energy Pulse Output Channel 01		2130	---		---	---	---	---	---	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Energy Channel	2130	---	1	INT16U	RWC	0 – 18 PM5350: 0 - 9	0	Y	0 = Not Used 1 = Active Energy Delivered (Into Load) 2 = Active Energy Received (Out of Load) 3 = Active Energy Delivered + Received 4 = Reactive Energy Delivered 5 = Reactive Energy Received 6 = Reactive Energy Delivered + Received 7 = Apparent Energy Delivered 8 = Apparent Energy Received 9 = Apparent Energy Delivered + Received 10 = Active Energy Delivered Phase A 11 = Active Energy Delivered Phase B 12 = Active Energy Delivered Phase C 13 = Reactive Energy Delivered Phase A 14 = Reactive Energy Delivered Phase B 15 = Reactive Energy Delivered Phase C 16 = Apparent Energy Delivered Phase A 17 = Apparent Energy Delivered Phase B 18 = Apparent Energy Delivered Phase C
			Digital Output Association	2131	---	1	INT16U	RWC	0 – 99	0	Y	0 = No association 1 - 2 = Digital Output 99 = LED A digital output shall be permitted to be associated with only 1 energy value. If the Energy Channel is not 0, a valid digital output association must be made.
			Pulse Weight	2132	kWh, kVAh, kVAh	2	FLOAT32	RWC	1E-10 – 1E10	0	Y	If the Energy Channel is not 0, a non-zero pulse weight must be entered.
		Energy Pulse Output Channel 02		2134	---		---	---	---	---	---	See Energy Pulse Output Channel 01
			Energy Channel	2134	---	1	INT16U	RWC	0 – 18	0	Y	
			Digital Output Association	2135	---	1	INT16U	RWC	0 – 99	0	Y	
			Pulse Weight	2136	kWh, kVAh, kVAh	2	FLOAT32	RWC	1E-10 – 1E10	0	Y	
		Energy Pulse Output Channel 03		2138	---		---	---	---	---	---	See Energy Pulse Output Channel 01
			Energy Channel	2138	---	1	INT16U	RWC	0 – 18	0	Y	
			Digital Output Association	2139	---	1	INT16U	RWC	0 – 99	0	Y	
			Pulse Weight	2140	kWh, kVAh, kVAh	2	FLOAT32	RWC	1E-10 – 1E10	0	Y	
Meter Data (Basic)				3000	---		---	---	---	---	---	
	1s Metering (50/60 Cycles)			3000	---		---	---	---	---	---	
		Current		3000	---		---	---	---	---	---	
			Current A	3000	A	2	FLOAT32	R			N	
			Current B	3002	A	2	FLOAT32	R			N	
			Current C	3004	A	2	FLOAT32	R			N	
			Current N	3006	A	2	FLOAT32	R			N	Reportable only in systems where there is a N current and when all wired phase currents are metered
			Current G	3008	A	2	FLOAT32	R			N	Reportable only in systems where there is not a N current and when all wired phase currents are metered
			Current Avg	3010	A	2	FLOAT32	R			N	
		Current Unbalance		3012	---		---	---	---	---	---	
			Current Unbalance A	3012	%	2	FLOAT32	R			N	
			Current Unbalance B	3014	%	2	FLOAT32	R			N	
			Current Unbalance C	3016	%	2	FLOAT32	R			N	
			Current Unbalance Worst	3018	%	2	FLOAT32	R			N	
		Voltage		3020	---		---	---	---	---	---	
			Voltage A-B	3020	V	2	FLOAT32	R			N	
			Voltage B-C	3022	V	2	FLOAT32	R			N	
			Voltage C-A	3024	V	2	FLOAT32	R			N	
			Voltage L-L Avg	3026	V	2	FLOAT32	R			N	
			Voltage A-N	3028	V	2	FLOAT32	R			N	Reportable only in systems where Van is connected
			Voltage B-N	3030	V	2	FLOAT32	R			N	Reportable only in systems where Vbn is connected
			Voltage C-N	3032	V	2	FLOAT32	R			N	Reportable only in systems where Vcn is connected
			Voltage L-N Avg	3036	V	2	FLOAT32	R			N	Reportable only in systems where a L-N voltage is applied
		Voltage Unbalance		3038	---		---	---	---	---	---	
			Voltage Unbalance A-B	3038	%	2	FLOAT32	R			N	
			Voltage Unbalance B-C	3040	%	2	FLOAT32	R			N	
			Voltage Unbalance C-A	3042	%	2	FLOAT32	R			N	
			Voltage Unbalance L-L Worst	3044	%	2	FLOAT32	R			N	
			Voltage Unbalance A-N	3046	%	2	FLOAT32	R			N	
			Voltage Unbalance B-N	3048	%	2	FLOAT32	R			N	
			Voltage Unbalance C-N	3050	%	2	FLOAT32	R			N	
			Voltage Unbalance L-N Worst	3052	%	2	FLOAT32	R			N	
		Power		3054	---		---	---	---	---	---	
			Active Power A	3054	kW	2	FLOAT32	R			N	
			Active Power B	3056	kW	2	FLOAT32	R			N	
			Active Power C	3058	kW	2	FLOAT32	R			N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Active Power Total	3060	kW	2	FLOAT32	R			N	
			Reactive Power A	3062	kVAR	2	FLOAT32	R			N	
			Reactive Power B	3064	kVAR	2	FLOAT32	R			N	
			Reactive Power C	3066	kVAR	2	FLOAT32	R			N	
			Reactive Power Total	3068	kVAR	2	FLOAT32	R			N	
			Apparent Power A	3070	kVA	2	FLOAT32	R			N	
			Apparent Power B	3072	kVA	2	FLOAT32	R			N	
			Apparent Power C	3074	kVA	2	FLOAT32	R			N	
			Apparent Power Total	3076	kVA	2	FLOAT32	R			N	
		Power Factor		3078	---		---	---	---	---	---	
			Power Factor A	3078	---	2	4Q FP PF	R	+/- 0.0 – 2.0		N	
			Power Factor B	3080	---	2	4Q FP PF	R	+/- 0.0 – 2.0		N	
			Power Factor C	3082	---	2	4Q FP PF	R	+/- 0.0 – 2.0		N	
			Power Factor Total	3084	---	2	4Q FP PF	R	+/- 0.0 – 2.0		N	
			Displacement Power Factor A	3086	---	2	4Q FP PF	R	+/- 0.0 – 2.0		N	
			Displacement Power Factor B	3088	---	2	4Q FP PF	R	+/- 0.0 – 2.0		N	
			Displacement Power Factor C	3090	---	2	4Q FP PF	R	+/- 0.0 – 2.0		N	
			Displacement Power Factor Total	3092	---	2	4Q FP PF	R	+/- 0.0 – 2.0		N	
		Frequency	Frequency	3110	Hz	2	FLOAT32	R	42 – 70		N	
		Miscellaneous		3134	---		---	---	---	---	---	
			Phase Rotation	3134	---	1	INT16U	R	0 – 1	0	N	0 = ABC, 1 = CBA
	Energy			3200	---		---	---	---	---	---	
		Accumulated Energy		3200	---		---	---	---	---	---	
			Accumulated Energy Reset Date/Time	3200	---	4	DATETIME	R	---	N/A	Y	
			Active Energy Delivered (Into Load)	3204	Wh	4	INT64	R	---	0	Y	
			Active Energy Received (Out of Load)	3208	Wh	4	INT64	R	---	0	Y	
			Active Energy Delivered + Received	3212	Wh	4	INT64	R	---	0	Y	
			Active Energy Delivered – Received	3216	Wh	4	INT64	R	---	0	Y	
			Reactive Energy Delivered	3220	VARh	4	INT64	R	---	0	Y	
			Reactive Energy Received	3224	VARh	4	INT64	R	---	0	Y	
			Reactive Energy Delivered + Received	3228	VARh	4	INT64	R	---	0	Y	
			Reactive Energy Delivered – Received	3232	VARh	4	INT64	R	---	0	Y	
			Apparent Energy Delivered	3236	VAh	4	INT64	R	---	0	Y	
			Apparent Energy Received	3240	VAh	4	INT64	R	---	0	Y	
			Apparent Energy Delivered + Received	3244	VAh	4	INT64	R	---	0	Y	
			Apparent Energy Delivered – Received	3248	VAh	4	INT64	R	---	0	Y	
			Active Energy Delivered Phase A	3518	Wh	4	INT64	R	---	0	Y	
			Active Energy Delivered Phase B	3522	Wh	4	INT64	R	---	0	Y	
			Active Energy Delivered Phase C	3526	Wh	4	INT64	R	---	0	Y	
			Reactive Energy Delivered Phase A	3530	VARh	4	INT64	R	---	0	Y	
			Reactive Energy Delivered Phase B	3534	VARh	4	INT64	R	---	0	Y	
			Reactive Energy Delivered Phase C	3538	VARh	4	INT64	R	---	0	Y	
			Apparent Energy Delivered Phase A	3542	VAh	4	INT64	R	---	0	Y	
			Apparent Energy Delivered Phase B	3546	VAh	4	INT64	R	---	0	Y	
			Apparent Energy Delivered Phase C	3550	VAh	4	INT64	R	---	0	Y	
	Demand			3701	---		---	---	---	---	---	
		Demand System 1 (Power)		3701	---		---	---	---	---	---	Power
			Power Demand Method	3701	---	1	INT16U	RWC	0-11 PM5350: 0-7	2	Y	0 = Thermal Demand 1 = Timed Interval Sliding Block 2 = Timed Interval Block 3 = Timed Interval Rolling Block 4 = Input Synchronized Block 5 = Input Synchronized Rolling Block 6 = Command Synchronized Block 7 = Command Synchronized Rolling Block 8 = Clock Synchronized Block 9 = Clock Synchronized Rolling Block 10 = Slave to System 1 (Power) Demand Interval 11 = Slave to Incremental Energy Interval
			Power Demand Interval Duration	3702	minutes	1	INT16U	RWC	1 – 60	15	Y	
			Power Demand Subinterval Duration	3703	minutes	1	INT16U	RWC	1 – 60	15	Y	The value must be evenly divisable into Interval Duration for Rolling Block. For Thermal and Fixed Block demand methods, this value must be same as Interval Duration.
			Power Demand Elapsed Time in Interval	3704	seconds	1	INT16U	R	0 – 3,600	0	N	
			Power Demand Elapsed Time in Subinterval	3705	seconds	1	INT16U	R	0 – 3,600	0	N	
			Power Demand Peak Reset Date/Time	3706	---	4	DATETIME	R	---	N/A	Y	
		Demand System 2 (Current)		3711	---		---	---	---	---	---	Current

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Current Demand Method	3711	---	1	INT16U	RWC	0-11 PM5350: 0-7	2	Y	0 = Thermal Demand 1 = Timed Interval Sliding Block 2 = Timed Interval Block 3 = Timed Interval Rolling Block 4 = Input Synchronized Block 5 = Input Synchronized Rolling Block 6 = Command Synchronized Block 7 = Command Synchronized Rolling Block 8 = Clock Synchronized Block 9 = Clock Synchronized Rolling Block 10 = Slave to System 1 (Power) Demand Interval 11 = Slave to Incremental Energy Interval
			Current Demand Interval Duration	3712	minutes	1	INT16U	RWC	1 – 60	15	Y	
			Current Demand Subinterval Duration	3713	minutes	1	INT16U	RWC	1 – 60	15	Y	The value must be evenly divisable into Interval Duration for Rolling Block. For Thermal and Fixed Block demand methods, this value must be same as Interval Duration.
			Current Demand Elapsed Time in Interval	3714	seconds	1	INT16U	R	0 – 3,600	0	N	
			Current Demand Elapsed Time in Subinterval	3715	seconds	1	INT16U	R	0 – 3,600	0	N	
			Current Demand Peak Reset Date/Time	3716	---	4	DATETIME	R	---	N/A	Y	
		Demand Channel 1 (Active Power)		3761	---		---	---	---	---	---	Active Power Total
			Demand System Assignment	3761	---	1	INT16U	R	0 – 6	1	Y	Power Demand
			Register Number of Metered Quantity	3762	---	1	INT16U	R	1 – 32,767	R_PTOT_50_60_CYC_RMS	Y	Active Power Total
			Units Code	3763	---	1	INT16U	R	0 – 100	12	Y	
			Last Demand	3764	kW	2	FLOAT32	R	---	0	Y	
			Present Demand	3766	kW	2	FLOAT32	R	---	0	N	
			Predicted Demand	3768	kW	2	FLOAT32	R	---	0	N	
			Peak Demand	3770	kW	2	FLOAT32	R	---	0	Y	
			Peak Demand DateTime	3772	---	4	DATETIME	R	---	N/A	Y	
		Demand Channel 2 (Reactive Power)		3777	---		---	---	---	---	---	Reactive Power Total
			Demand System Assignment	3777	---	1	INT16U	R	0 – 6	1	Y	Power Demand
			Register Number of Metered Quantity	3778	---	1	INT16U	R	1 – 32,767	R_QTOT_50_60_CYC_RMS	Y	Reactive Power Total
			Units Code	3779	---	1	INT16U	R	0 – 100	15	Y	
			Last Demand	3780	kVAR	2	FLOAT32	R	---	0	Y	
			Present Demand	3782	kVAR	2	FLOAT32	R	---	0	N	
			Predicted Demand	3784	kVAR	2	FLOAT32	R	---	0	N	
			Peak Demand	3786	kVAR	2	FLOAT32	R	---	0	Y	
			Peak Demand DateTime	3788	---	4	DATETIME	R	---	N/A	Y	
		Demand Channel 3 (Apparent Power)		3793	---		---	---	---	---	---	Apparent Power Total
			Demand System Assignment	3793	---	1	INT16U	R	0 – 6	1	Y	Power Demand
			Register Number of Metered Quantity	3794	---	1	INT16U	R	1 – 32,767	R_STOT_50_60_CYC_RMS	Y	Apparent Power Total
			Units Code	3795	---	1	INT16U	R	0 – 100	18	Y	
			Last Demand	3796	kVA	2	FLOAT32	R	---	0	Y	
			Present Demand	3798	kVA	2	FLOAT32	R	---	0	N	
			Predicted Demand	3800	kVA	2	FLOAT32	R	---	0	N	
			Peak Demand	3802	kVA	2	FLOAT32	R	---	0	Y	
			Peak Demand DateTime	3804	---	4	DATETIME	R	---	N/A	Y	
		Demand Channel 4 (Current A)		3809	---		---	---	---	---	---	Current , Phase A
			Demand System Assignment	3809	---	1	INT16U	R	0 – 6	2	Y	Current Demand
			Register Number of Metered Quantity	3810	---	1	INT16U	R	1 – 32,767	R_IA_50_60_CYC_RMS	Y	Current, Phase A
			Units Code	3811	---	1	INT16U	R	0 – 100	6	Y	
			Last Demand	3812	A	2	FLOAT32	R	---	0	Y	
			Present Demand	3814	A	2	FLOAT32	R	---	0	N	
			Predicted Demand	3816	A	2	FLOAT32	R	---	0	N	
			Peak Demand	3818	A	2	FLOAT32	R	---	0	Y	
			Peak Demand DateTime	3820	---	4	DATETIME	R	---	N/A	Y	
		Demand Channel 5 (Current B)		3825	---		---	---	---	---	---	Current, Phase B
			Demand System Assignment	3825	---	1	INT16U	R	0 – 6	2	Y	Current Demand
			Register Number of Metered Quantity	3826	---	1	INT16U	R	1 – 32,767	R_IB_50_60_CYC_RMS	Y	Current, Phase B
			Units Code	3827	---	1	INT16U	R	0 – 100	6	Y	
			Last Demand	3828	A	2	FLOAT32	R	---	0	Y	
			Present Demand	3830	A	2	FLOAT32	R	---	0	N	
			Predicted Demand	3832	A	2	FLOAT32	R	---	0	N	
			Peak Demand	3834	A	2	FLOAT32	R	---	0	Y	
			Peak Demand DateTime	3836	---	4	DATETIME	R	---	N/A	Y	
		Demand Channel 6 (Current C)		3841	---		---	---	---	---	---	Current, Phase C
			Demand System Assignment	3841	---	1	INT16U	R	0 – 6	2	Y	Current Demand
			Register Number of Metered Quantity	3842	---	1	INT16U	R	1 – 32,767	R_IC_50_60_CYC_RMS	Y	Current, Phase C
			Units Code	3843	---	1	INT16U	R	0 – 100	6	Y	
			Last Demand	3844	A	2	FLOAT32	R	---	0	Y	
			Present Demand	3846	A	2	FLOAT32	R	---	0	N	
			Predicted Demand	3848	A	2	FLOAT32	R	---	0	N	
			Peak Demand	3850	A	2	FLOAT32	R	---	0	Y	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Peak Demand DateTime	3852	---	4	DATETIME	R	---	N/A	Y	
		Demand Channel 8 (Current Avg)		3873	---		---	---	---	---	---	Current, Average
			Demand System Assignment	3873	---	1	INT16U	R	0 – 6	2	Y	Current Demand
			Register Number of Metered Quantity	3874	---	1	INT16U	R	1 – 32,767	R_IAVG_50_60_CYC_RMS	Y	Current, Average
			Units Code	3875	---	1	INT16U	R	0 – 100	6	Y	
			Last Demand	3876	A	2	FLOAT32	R	---	0	Y	
			Present Demand	3878	A	2	FLOAT32	R	---	0	N	
			Predicted Demand	3880	A	2	FLOAT32	R	---	0	N	
			Peak Demand	3882	A	2	FLOAT32	R	---	0	Y	
			Peak Demand DateTime	3884	---	4	DATETIME	R	---	N/A	Y	
		Demand Channel 14 (Active Power Phase A)		3969	---		---	---	---	---	---	
			Demand System Assignment	3969	---	1	INT16U	RWC	0 – 6	1	Y	Power
			Register Number of Metered Quantity	3970	---	1	INT16U	RWC	1 – 32,767	R_PA_50_60_CYC_RMS	Y	
			Units Code	3971	---	1	INT16U	RWC	0 – 100	12	Y	
			Last Demand	3972	KW	2	FLOAT32	R	---	0	Y	
			Present Demand	3974	KW	2	FLOAT32	R	---	0	N	
			Predicted Demand	3976	KW	2	FLOAT32	R	---	0	N	
			Peak Demand	3978	KW	2	FLOAT32	R	---	0	Y	
			Peak Demand DateTime	3980	---	4	DATETIME	R	---	N/A	Y	
		Demand Channel 15 (Reactive Power Phase A)		3985	---		---	---	---	---	---	
			Demand System Assignment	3985	---	1	INT16U	RWC	0 – 6	1	Y	Power
			Register Number of Metered Quantity	3986	---	1	INT16U	RWC	1 – 32,767	R_QA_50_60_CYC_RMS	Y	
			Units Code	3987	---	1	INT16U	RWC	0 – 100	15	Y	
			Last Demand	3988	KVAR	2	FLOAT32	R	---	0	Y	
			Present Demand	3990	KVAR	2	FLOAT32	R	---	0	N	
			Predicted Demand	3992	KVAR	2	FLOAT32	R	---	0	N	
			Peak Demand	3994	KVAR	2	FLOAT32	R	---	0	Y	
			Peak Demand DateTime	3996	---	4	DATETIME	R	---	N/A	Y	
		Demand Channel 16 (Apparent Power Phase A)		4001	---		---	---	---	---	---	
			Demand System Assignment	4001	---	1	INT16U	RWC	0 – 6	1	Y	Power
			Register Number of Metered Quantity	4002	---	1	INT16U	RWC	1 – 32,767	R_SA_50_60_CYC_RMS	Y	
			Units Code	4003	---	1	INT16U	RWC	0 – 100	18	Y	
			Last Demand	4004	KVA	2	FLOAT32	R	---	0	Y	
			Present Demand	4006	KVA	2	FLOAT32	R	---	0	N	
			Predicted Demand	4008	KVA	2	FLOAT32	R	---	0	N	
			Peak Demand	4010	KVA	2	FLOAT32	R	---	0	Y	
			Peak Demand DateTime	4012	---	4	DATETIME	R	---	N/A	Y	
		Demand Channel 17 (Active Power Phase B)		4017	---		---	---	---	---	---	
			Demand System Assignment	4017	---	1	INT16U	RWC	0 – 6	1	Y	Power
			Register Number of Metered Quantity	4018	---	1	INT16U	RWC	1 – 32,767	R_PB_50_60_CYC_RMS	Y	
			Units Code	4019	---	1	INT16U	RWC	0 – 100	12	Y	
			Last Demand	4020	KW	2	FLOAT32	R	---	0	Y	
			Present Demand	4022	KW	2	FLOAT32	R	---	0	N	
			Predicted Demand	4024	KW	2	FLOAT32	R	---	0	N	
			Peak Demand	4026	KW	2	FLOAT32	R	---	0	Y	
			Peak Demand DateTime	4028	---	4	DATETIME	R	---	N/A	Y	
		Demand Channel 18 (Reactive Power Phase B)		4033	---		---	---	---	---	---	
			Demand System Assignment	4033	---	1	INT16U	RWC	0 – 6	1	Y	Power
			Register Number of Metered Quantity	4034	---	1	INT16U	RWC	1 – 32,767	R_QB_50_60_CYC_RMS	Y	
			Units Code	4035	---	1	INT16U	RWC	0 – 100	15	Y	
			Last Demand	4036	KVAR	2	FLOAT32	R	---	0	Y	
			Present Demand	4038	KVAR	2	FLOAT32	R	---	0	N	
			Predicted Demand	4040	KVAR	2	FLOAT32	R	---	0	N	
			Peak Demand	4042	KVAR	2	FLOAT32	R	---	0	Y	
			Peak Demand DateTime	4044	---	4	DATETIME	R	---	N/A	Y	
		Demand Channel 19 (Apparent Power Phase B)		4049	---		---	---	---	---	---	
			Demand System Assignment	4049	---	1	INT16U	RWC	0 – 6	1	Y	Power
			Register Number of Metered Quantity	4050	---	1	INT16U	RWC	1 – 32,767	R_SB_50_60_CYC_RMS	Y	
			Units Code	4051	---	1	INT16U	RWC	0 – 100	18	Y	
			Last Demand	4052	KVA	2	FLOAT32	R	---	0	Y	
			Present Demand	4054	KVA	2	FLOAT32	R	---	0	N	
			Predicted Demand	4056	KVA	2	FLOAT32	R	---	0	N	
			Peak Demand	4058	KVA	2	FLOAT32	R	---	0	Y	
			Peak Demand DateTime	4060	---	4	DATETIME	R	---	N/A	Y	
		Demand Channel 20 (Active Power Phase C)		4065	---		---	---	---	---	---	
			Demand System Assignment	4065	---	1	INT16U	RWC	0 – 6	1	Y	Power
			Register Number of Metered Quantity	4066	---	1	INT16U	RWC	1 – 32,767	R_PC_50_60_CYC_RMS	Y	
			Units Code	4067	---	1	INT16U	RWC	0 – 100	12	Y	
			Last Demand	4068	KW	2	FLOAT32	R	---	0	Y	
			Present Demand	4070	KW	2	FLOAT32	R	---	0	N	
			Predicted Demand	4072	KW	2	FLOAT32	R	---	0	N	
			Peak Demand	4074	KW	2	FLOAT32	R	---	0	Y	
			Peak Demand DateTime	4076	---	4	DATETIME	R	---	N/A	Y	
		Demand Channel 21 (Reactive Power Phase C)		4081	---		---	---	---	---	---	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Demand System Assignment	4081	---	1	INT16U	RWC	0 – 6	1	Y	Power
			Register Number of Metered Quantity	4082	---	1	INT16U	RWC	1 – 32,767	R_QC_50_60_CYC_RMS	Y	
			Units Code	4083	---	1	INT16U	RWC	0 – 100	15	Y	
			Last Demand	4084	KVAR	2	FLOAT32	R	---	0	Y	
			Present Demand	4086	KVAR	2	FLOAT32	R	---	0	N	
			Predicted Demand	4088	KVAR	2	FLOAT32	R	---	0	N	
			Peak Demand	4090	KVAR	2	FLOAT32	R	---	0	Y	
			Peak Demand DateTime	4092	---	4	DATETIME	R	---	N/A	Y	
		Demand Channel 22 (Apparent Power Phase C)		4097	---		---	---	---	---	---	
			Demand System Assignment	4097	---	1	INT16U	RWC	0 – 6	1	Y	Power
			Register Number of Metered Quantity	4098	---	1	INT16U	RWC	1 – 32,767	R_SC_50_60_CYC_RMS	Y	
			Units Code	4099	---	1	INT16U	RWC	0 – 100	18	Y	
			Last Demand	4100	KVA	2	FLOAT32	R	---	0	Y	
			Present Demand	4102	KVA	2	FLOAT32	R	---	0	N	
			Predicted Demand	4104	KVA	2	FLOAT32	R	---	0	N	
			Peak Demand	4106	KVA	2	FLOAT32	R	---	0	Y	
			Peak Demand DateTime	4108	---	4	DATETIME	R	---	N/A	Y	
Multi-circuit Meter Data (Basic)				4572								
	Basic Multi-circuit 1s Metering (50/60 Cycles)			4572								
		Circuit 1 Basic Data		4572								
			Voltage Channel 1	4572	V	2	FLOAT32	R			N	The phase that this orginates from is based on sys type
			Current Channel 1	4574	A	2	FLOAT32	R			N	The phase that this orginates from is based on sys type
			Current Unbalance Channel 1	4576	%	2	FLOAT32	R			N	
			Active Power Channel 1	4578	W	2	FLOAT32	R			N	The phase that this orginates from is based on sys type
			Reactive Power Channel 1	4580	VAR	2	FLOAT32	R			N	The phase that this orginates from is based on sys type
			Apparent Power Channel 1	4582	VA	2	FLOAT32	R			N	The phase that this orginates from is based on sys type
			True Power Factor Channel 1	4584	---	2	4Q FP PF	R	+/- 0.0 – 2.0		N	The phase that this orginates from is based on sys type
			Displacement Power Factor Channel 1	4586	---	2	4Q FP PF	R	+/- 0.0 – 2.0		N	The phase that this orginates from is based on sys type
			Active Energy Channel 1	4588	Wh	4	INT64	R	---	0	Y	The phase that this orginates from is based on sys type
			Reactive Energy Channel 1	4592	VARh	4	INT64	R	---	0	Y	The phase that this orginates from is based on sys type
			Apparent Energy Channel 1	4596	VAh	4	INT64	R	---	0	Y	The phase that this orginates from is based on sys type
			Alarm Detected Bitmap Validity Channel 1	4600	---	1	BITMAP	R		0	N	See PTI document for definition
			Alarm Detected Bitmap Channel 1	4601	---	1	BITMAP	R			N	See User Notes for BITMAP registers 34002 and 34003
		Circuit 2 Basic Data		4602								
			Voltage Channel 2	4602	V	2	FLOAT32	R			N	The phase that this orginates from is based on sys type
			Current Channel 2	4604	A	2	FLOAT32	R			N	The phase that this orginates from is based on sys type
			Current Unbalance Channel 2	4606	%	2	FLOAT32	R			N	
			Active Power Channel 2	4608	W	2	FLOAT32	R			N	The phase that this orginates from is based on sys type
			Reactive Power Channel 2	4610	VAR	2	FLOAT32	R			N	The phase that this orginates from is based on sys type
			Apparent Power Channel 2	4612	VA	2	FLOAT32	R			N	The phase that this orginates from is based on sys type
			True Power Factor Channel 2	4614	---	2	4Q FP PF	R	+/- 0.0 – 2.0		N	The phase that this orginates from is based on sys type
			Displacement Power Factor Channel 2	4616	---	2	4Q FP PF	R	+/- 0.0 – 2.0		N	The phase that this orginates from is based on sys type
			Active Energy Channel 2	4618	Wh	4	INT64	R	---	0	Y	The phase that this orginates from is based on sys type
			Reactive Energy Channel 2	4622	VARh	4	INT64	R	---	0	Y	The phase that this orginates from is based on sys type
			Apparent Energy Channel 2	4626	VAh	4	INT64	R	---	0	Y	The phase that this orginates from is based on sys type
			Alarm Detected Bitmap Validity Channel 2	4630	---	1	BITMAP	R		0	N	See PTI document for definition
			Alarm flags Channel 2	4631	---	1	BITMAP	R			N	See User Notes for BITMAP registers 34002 and 34003
		Circuit 3 Basic Data		4632								
			Voltage Channel 3	4632	V	2	FLOAT32	R			N	The phase that this orginates from is based on sys type
			Current Channel 3	4634	A	2	FLOAT32	R			N	The phase that this orginates from is based on sys type
			Current Unbalance C	4636	%	2	FLOAT32	R			N	
			Active Power Channel 3	4638	W	2	FLOAT32	R			N	The phase that this orginates from is based on sys type
			Reactive Power Channel 3	4640	VAR	2	FLOAT32	R			N	The phase that this orginates from is based on sys type
			Apparent Power Channel 3	4642	VA	2	FLOAT32	R			N	The phase that this orginates from is based on sys type
			True Power Factor Channel 3	4644	---	2	4Q FP PF	R	+/- 0.0 – 2.0		N	The phase that this orginates from is based on sys type
			Displacement Power Factor Channel 3	4646	---	2	4Q FP PF	R	+/- 0.0 – 2.0		N	The phase that this orginates from is based on sys type
			Active Energy Channel 3	4648	Wh	4	INT64	R	---	0	Y	The phase that this orginates from is based on sys type
			Reactive Energy Channel 3	4652	VARh	4	INT64	R	---	0	Y	The phase that this orginates from is based on sys type
			Apparent Energy Channel 3	4656	VAh	4	INT64	R	---	0	Y	The phase that this orginates from is based on sys type
			Alarm Detected Bitmap Validity Channel 3	4660	---	1	BITMAP	R		0	N	See PTI document for definition
			Alarm flags Channel 3	4661	---	1	BITMAP	R			N	See User Notes for BITMAP registers 34002 and 34003
		Circuit 1 Demand Data		4662								
			Current Demand Present Channel 1	4662	A	2	FLOAT32	R	---	0	N	The phase that this orginates from is based on sys type
			Current Demand Last Channel 1	4664	A	2	FLOAT32	R	---	0	Y	The phase that this orginates from is based on sys type
			Current Demand Predicted Channel 1	4666	A	2	FLOAT32	R	---	0	N	The phase that this orginates from is based on sys type
			Current Demand Peak Channel 1	4668	A	2	FLOAT32	R	---	0	Y	The phase that this orginates from is based on sys type
			Active Power Demand Present Channel 1	4670	W	2	FLOAT32	R	---	0	N	The phase that this orginates from is based on sys type
			Active Power Demand Last Channel 1	4672	W	2	FLOAT32	R	---	0	Y	The phase that this orginates from is based on sys type
			Active Power Demand Predicted Channel 1	4674	W	2	FLOAT32	R	---	0	N	The phase that this orginates from is based on sys type
			Active Power Demand Peak Channel 1	4676	W	2	FLOAT32	R	---	0	Y	The phase that this orginates from is based on sys type
			Reactive Power Demand Present Channel 1	4678	VAR	2	FLOAT32	R	---	0	Y	The phase that this orginates from is based on sys type
			Reactive Power Demand Last Channel 1	4680	VAR	2	FLOAT32	R	---	0	N	The phase that this orginates from is based on sys type
			Reactive Power Demand Predicted Channel 1	4682	VAR	2	FLOAT32	R	---	0	N	The phase that this orginates from is based on sys type
			Reactive Power Demand Peak Channel 1	4684	VAR	2	FLOAT32	R	---	0	Y	The phase that this orginates from is based on sys type

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Apparent Power Demand Present Channel 1	4686	VA	2	FLOAT32	R	---	0	N	The phase that this orginates from is based on sys type
			Apparent Power Demand Last Channel 1	4688	VA	2	FLOAT32	R	---	0	Y	The phase that this orginates from is based on sys type
			Apparent Power Demand Predicted Channel 1	4690	VA	2	FLOAT32	R	---	0	N	The phase that this orginates from is based on sys type
			Apparent Power Demand Peak Channel 1	4692	VA	2	FLOAT32	R	---	0	Y	The phase that this orginates from is based on sys type
		Circuit 2 Demand Data		4694								
			Current Demand Present Channel 2	4694	A	2	FLOAT32	R	---	0	N	The phase that this orginates from is based on sys type
			Current Demand Last Channel 2	4696	A	2	FLOAT32	R	---	0	Y	The phase that this orginates from is based on sys type
			Current Demand Predicted Channel 2	4698	A	2	FLOAT32	R	---	0	N	The phase that this orginates from is based on sys type
			Current Demand Peak Channel 2	4700	A	2	FLOAT32	R	---	0	Y	The phase that this orginates from is based on sys type
			Active Power Demand Present Channel 2	4702	W	2	FLOAT32	R	---	0	N	The phase that this orginates from is based on sys type
			Active Power Demand Last Channel 2	4704	W	2	FLOAT32	R	---	0	Y	The phase that this orginates from is based on sys type
			Active Power Demand Predicted Channel 2	4706	W	2	FLOAT32	R	---	0	N	The phase that this orginates from is based on sys type
			Active Power Demand Peak Channel 2	4708	W	2	FLOAT32	R	---	0	Y	The phase that this orginates from is based on sys type
			Reactive Power Demand Present Channel 2	4710	VAR	2	FLOAT32	R	---	0	Y	The phase that this orginates from is based on sys type
			Reactive Power Demand Last Channel 2	4712	VAR	2	FLOAT32	R	---	0	N	The phase that this orginates from is based on sys type
			Reactive Power Demand Predicted Channel 2	4714	VAR	2	FLOAT32	R	---	0	N	The phase that this orginates from is based on sys type
			Reactive Power Demand Peak Channel 2	4716	VAR	2	FLOAT32	R	---	0	Y	The phase that this orginates from is based on sys type
			Apparent Power Demand Present Channel 2	4718	VA	2	FLOAT32	R	---	0	N	The phase that this orginates from is based on sys type
			Apparent Power Demand Last Channel 2	4720	VA	2	FLOAT32	R	---	0	Y	The phase that this orginates from is based on sys type
			Apparent Power Demand Predicted Channel 2	4722	VA	2	FLOAT32	R	---	0	N	The phase that this orginates from is based on sys type
			Apparent Power Demand Peak Channel 2	4724	VA	2	FLOAT32	R	---	0	Y	The phase that this orginates from is based on sys type
		Circuit 3 Demand Data		4726								
			Current Demand Present Channel 3	4726	A	2	FLOAT32	R	---	0	N	The phase that this orginates from is based on sys type
			Current Demand Last Channel 3	4728	A	2	FLOAT32	R	---	0	Y	The phase that this orginates from is based on sys type
			Current Demand Predicted Channel 3	4730	A	2	FLOAT32	R	---	0	N	The phase that this orginates from is based on sys type
			Current Demand Peak Channel 3	4732	A	2	FLOAT32	R	---	0	Y	The phase that this orginates from is based on sys type
			Active Power Demand Present Channel 3	4734	W	2	FLOAT32	R	---	0	N	The phase that this orginates from is based on sys type
			Active Power Demand Last Channel 3	4736	W	2	FLOAT32	R	---	0	Y	The phase that this orginates from is based on sys type
			Active Power Demand Predicted Channel 3	4738	W	2	FLOAT32	R	---	0	N	The phase that this orginates from is based on sys type
			Active Power Demand Peak Channel 3	4740	W	2	FLOAT32	R	---	0	Y	The phase that this orginates from is based on sys type
			Reactive Power Demand Present Channel 3	4742	VAR	2	FLOAT32	R	---	0	Y	The phase that this orginates from is based on sys type
			Reactive Power Demand Last Channel 3	4744	VAR	2	FLOAT32	R	---	0	N	The phase that this orginates from is based on sys type
			Reactive Power Demand Predicted Channel 3	4746	VAR	2	FLOAT32	R	---	0	N	The phase that this orginates from is based on sys type
			Reactive Power Demand Peak Channel 3	4748	VAR	2	FLOAT32	R	---	0	Y	The phase that this orginates from is based on sys type
			Apparent Power Demand Present Channel 3	4750	VA	2	FLOAT32	R	---	0	N	The phase that this orginates from is based on sys type
			Apparent Power Demand Last Channel 3	4752	VA	2	FLOAT32	R	---	0	Y	The phase that this orginates from is based on sys type
			Apparent Power Demand Predicted Channel 3	4754	VA	2	FLOAT32	R	---	0	N	The phase that this orginates from is based on sys type
			Apparent Power Demand Peak Channel 3	4756	VA	2	FLOAT32	R	---	0	Y	The phase that this orginates from is based on sys type
Command Interface				5000	---		---	---	---	---	---	
	Protected Command Interface			5000	---		---	---	---	---	---	
		Command parameters		5000	---		---	---	---	---	---	
			Requested Command	5000	---	1	INT16U	RW	1 – 32767	0	N	
			Command Semaphore	5001	---	1	INT16U	RW	---	0	N	
			Command Parameter 001	5002	---	1	INT16U	RW	---	0	N	
			Command Parameter 002	5003	---	1	INT16U	RW	---	0	N	
			Command Parameter 003	5004	---	1	INT16U	RW	---	0	N	
			Command Parameter 004	5005	---	1	INT16U	RW	---	0	N	
			Command Parameter 005	5006	---	1	INT16U	RW	---	0	N	
			Command Parameter 006	5007	---	1	INT16U	RW	---	0	N	
			Command Parameter 007	5008	---	1	INT16U	RW	---	0	N	
			Command Parameter 008	5009	---	1	INT16U	RW	---	0	N	
			Command Parameter 009	5010	---	1	INT16U	RW	---	0	N	
			Command Parameter 010	5011	---	1	INT16U	RW	---	0	N	
			Command Parameter 011	5012	---	1	INT16U	RW	---	0	N	
			Command Parameter 012	5013	---	1	INT16U	RW	---	0	N	
			Command Parameter 013	5014	---	1	INT16U	RW	---	0	N	
			Command Parameter 014	5015	---	1	INT16U	RW	---	0	N	
			Command Parameter 015	5016	---	1	INT16U	RW	---	0	N	
			Command Parameter 016	5017	---	1	INT16U	RW	---	0	N	
			Command Parameter 017	5018	---	1	INT16U	RW	---	0	N	
			Command Parameter 018	5019	---	1	INT16U	RW	---	0	N	
			Command Parameter 019	5020	---	1	INT16U	RW	---	0	N	
			Command Parameter 020	5021	---	1	INT16U	RW	---	0	N	
			Command Parameter 021	5022	---	1	INT16U	RW	---	0	N	
			Command Parameter 022	5023	---	1	INT16U	RW	---	0	N	
			Command Parameter 023	5024	---	1	INT16U	RW	---	0	N	
			Command Parameter 024	5025	---	1	INT16U	RW	---	0	N	
			Command Parameter 025	5026	---	1	INT16U	RW	---	0	N	
			Command Parameter 026	5027	---	1	INT16U	RW	---	0	N	
			Command Parameter 027	5028	---	1	INT16U	RW	---	0	N	
			Command Parameter 028	5029	---	1	INT16U	RW	---	0	N	
			Command Parameter 029	5030	---	1	INT16U	RW	---	0	N	
			Command Parameter 030	5031	---	1	INT16U	RW	---	0	N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Command Parameter 031	5032	---	1	INT16U	RW	---	0	N	
			Command Parameter 032	5033	---	1	INT16U	RW	---	0	N	
			Command Parameter 033	5034	---	1	INT16U	RW	---	0	N	
			Command Parameter 034	5035	---	1	INT16U	RW	---	0	N	
			Command Parameter 035	5036	---	1	INT16U	RW	---	0	N	
			Command Parameter 036	5037	---	1	INT16U	RW	---	0	N	
			Command Parameter 037	5038	---	1	INT16U	RW	---	0	N	
			Command Parameter 038	5039	---	1	INT16U	RW	---	0	N	
			Command Parameter 039	5040	---	1	INT16U	RW	---	0	N	
			Command Parameter 040	5041	---	1	INT16U	RW	---	0	N	
			Command Parameter 041	5042	---	1	INT16U	RW	---	0	N	
			Command Parameter 042	5043	---	1	INT16U	RW	---	0	N	
			Command Parameter 043	5044	---	1	INT16U	RW	---	0	N	
			Command Parameter 044	5045	---	1	INT16U	RW	---	0	N	
			Command Parameter 045	5046	---	1	INT16U	RW	---	0	N	
			Command Parameter 046	5047	---	1	INT16U	RW	---	0	N	
			Command Parameter 047	5048	---	1	INT16U	RW	---	0	N	
			Command Parameter 048	5049	---	1	INT16U	RW	---	0	N	
			Command Parameter 049	5050	---	1	INT16U	RW	---	0	N	
			Command Parameter 050	5051	---	1	INT16U	RW	---	0	N	
			Command Parameter 051	5052	---	1	INT16U	RW	---	0	N	
			Command Parameter 052	5053	---	1	INT16U	RW	---	0	N	
			Command Parameter 053	5054	---	1	INT16U	RW	---	0	N	
			Command Parameter 054	5055	---	1	INT16U	RW	---	0	N	
			Command Parameter 055	5056	---	1	INT16U	RW	---	0	N	
			Command Parameter 056	5057	---	1	INT16U	RW	---	0	N	
			Command Parameter 057	5058	---	1	INT16U	RW	---	0	N	
			Command Parameter 058	5059	---	1	INT16U	RW	---	0	N	
			Command Parameter 059	5060	---	1	INT16U	RW	---	0	N	
			Command Parameter 060	5061	---	1	INT16U	RW	---	0	N	
			Command Parameter 061	5062	---	1	INT16U	RW	---	0	N	
			Command Parameter 062	5063	---	1	INT16U	RW	---	0	N	
			Command Parameter 063	5064	---	1	INT16U	RW	---	0	N	
			Command Parameter 064	5065	---	1	INT16U	RW	---	0	N	
			Command Parameter 065	5066	---	1	INT16U	RW	---	0	N	
			Command Parameter 066	5067	---	1	INT16U	RW	---	0	N	
			Command Parameter 067	5068	---	1	INT16U	RW	---	0	N	
			Command Parameter 068	5069	---	1	INT16U	RW	---	0	N	
			Command Parameter 069	5070	---	1	INT16U	RW	---	0	N	
			Command Parameter 070	5071	---	1	INT16U	RW	---	0	N	
			Command Parameter 071	5072	---	1	INT16U	RW	---	0	N	
			Command Parameter 072	5073	---	1	INT16U	RW	---	0	N	
			Command Parameter 073	5074	---	1	INT16U	RW	---	0	N	
			Command Parameter 074	5075	---	1	INT16U	RW	---	0	N	
			Command Parameter 075	5076	---	1	INT16U	RW	---	0	N	
			Command Parameter 076	5077	---	1	INT16U	RW	---	0	N	
			Command Parameter 077	5078	---	1	INT16U	RW	---	0	N	
			Command Parameter 078	5079	---	1	INT16U	RW	---	0	N	
			Command Parameter 079	5080	---	1	INT16U	RW	---	0	N	
			Command Parameter 080	5081	---	1	INT16U	RW	---	0	N	
			Command Parameter 081	5082	---	1	INT16U	RW	---	0	N	
			Command Parameter 082	5083	---	1	INT16U	RW	---	0	N	
			Command Parameter 083	5084	---	1	INT16U	RW	---	0	N	
			Command Parameter 084	5085	---	1	INT16U	RW	---	0	N	
			Command Parameter 085	5086	---	1	INT16U	RW	---	0	N	
			Command Parameter 086	5087	---	1	INT16U	RW	---	0	N	
			Command Parameter 087	5088	---	1	INT16U	RW	---	0	N	
			Command Parameter 088	5089	---	1	INT16U	RW	---	0	N	
			Command Parameter 089	5090	---	1	INT16U	RW	---	0	N	
			Command Parameter 090	5091	---	1	INT16U	RW	---	0	N	
			Command Parameter 091	5092	---	1	INT16U	RW	---	0	N	
			Command Parameter 092	5093	---	1	INT16U	RW	---	0	N	
			Command Parameter 093	5094	---	1	INT16U	RW	---	0	N	
			Command Parameter 094	5095	---	1	INT16U	RW	---	0	N	
			Command Parameter 095	5096	---	1	INT16U	RW	---	0	N	
			Command Parameter 096	5097	---	1	INT16U	RW	---	0	N	
			Command Parameter 097	5098	---	1	INT16U	RW	---	0	N	
			Command Parameter 098	5099	---	1	INT16U	RW	---	0	N	
			Command Parameter 099	5100	---	1	INT16U	RW	---	0	N	
			Command Parameter 100	5101	---	1	INT16U	RW	---	0	N	
			Command Parameter 101	5102	---	1	INT16U	RW	---	0	N	
			Command Parameter 102	5103	---	1	INT16U	RW	---	0	N	
			Command Parameter 103	5104	---	1	INT16U	RW	---	0	N	
			Command Parameter 104	5105	---	1	INT16U	RW	---	0	N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Command Parameter 105	5106	---	1	INT16U	RW	---	0	N	
			Command Parameter 106	5107	---	1	INT16U	RW	---	0	N	
			Command Parameter 107	5108	---	1	INT16U	RW	---	0	N	
			Command Parameter 108	5109	---	1	INT16U	RW	---	0	N	
			Command Parameter 109	5110	---	1	INT16U	RW	---	0	N	
			Command Parameter 110	5111	---	1	INT16U	RW	---	0	N	
			Command Parameter 111	5112	---	1	INT16U	RW	---	0	N	
			Command Parameter 112	5113	---	1	INT16U	RW	---	0	N	
			Command Parameter 113	5114	---	1	INT16U	RW	---	0	N	
			Command Parameter 114	5115	---	1	INT16U	RW	---	0	N	
			Command Parameter 115	5116	---	1	INT16U	RW	---	0	N	
			Command Parameter 116	5117	---	1	INT16U	RW	---	0	N	
			Command Parameter 117	5118	---	1	INT16U	RW	---	0	N	
			Command Parameter 118	5119	---	1	INT16U	RW	---	0	N	
			Command Parameter 119	5120	---	1	INT16U	RW	---	0	N	
			Command Parameter 120	5121	---	1	INT16U	RW	---	0	N	
			Command Parameter 121	5122	---	1	INT16U	RW	---	0	N	
			Command Parameter 122	5123	---	1	INT16U	RW	---	0	N	
			Command Parameter 123	5124	---	1	INT16U	RW	---	0	N	
		Command result parameters		5125	---	1	INT16U	R	0 – 32767	0	N	
			Command Status	5125	---	1	INT16U	R	0 – 32767	0	N	
			Command Result	5126	---	1	INT16U	R	---	0	N	0 = Valid Operation 2000 = Command Only Allowed In Calibration Setup 2001 = Command Not Allowed In Calibration Setup 2002 = Command Only Allowed For Disabled Calibration 2003 = Calibration Parameters Not Monotonic 2004 = Calibration Parameters Not Within Percent Range 2005 = Calibration Incomplete Calibration 2006 = Calibration Current Magnitude Phase Shift Mismatch 3000 = Invalid Command 3001 = Invalid Parameter 3002 = Invalid Number of Parameters 3003 = Invalid Password 3004 = Command Failed Security Check 3005 = Invalid Command Interface 3006 = Revenue Security Active 3007 = Operation Not Performed 3008 = Invalid ID 3009 = Feature Not Supported 3010 = Invalid Semaphore 6000 = Invalid Control Mode 6001 = Digital Output Disabled 8000 = File System Error
			Command Data 001	5127	---	1	INT16U	R	---	0	N	
			Command Data 002	5128	---	1	INT16U	R	---	0	N	
			Command Data 003	5129	---	1	INT16U	R	---	0	N	
			Command Data 004	5130	---	1	INT16U	R	---	0	N	
			Command Data 005	5131	---	1	INT16U	R	---	0	N	
			Command Data 006	5132	---	1	INT16U	R	---	0	N	
			Command Data 007	5133	---	1	INT16U	R	---	0	N	
			Command Data 008	5134	---	1	INT16U	R	---	0	N	
			Command Data 009	5135	---	1	INT16U	R	---	0	N	
			Command Data 010	5136	---	1	INT16U	R	---	0	N	
			Command Data 011	5137	---	1	INT16U	R	---	0	N	
			Command Data 012	5138	---	1	INT16U	R	---	0	N	
			Command Data 013	5139	---	1	INT16U	R	---	0	N	
			Command Data 014	5140	---	1	INT16U	R	---	0	N	
			Command Data 015	5141	---	1	INT16U	R	---	0	N	
			Command Data 016	5142	---	1	INT16U	R	---	0	N	
			Command Data 017	5143	---	1	INT16U	R	---	0	N	
			Command Data 018	5144	---	1	INT16U	R	---	0	N	
			Command Data 019	5145	---	1	INT16U	R	---	0	N	
			Command Data 020	5146	---	1	INT16U	R	---	0	N	
			Command Data 021	5147	---	1	INT16U	R	---	0	N	
			Command Data 022	5148	---	1	INT16U	R	---	0	N	
			Command Data 023	5149	---	1	INT16U	R	---	0	N	
			Command Data 024	5150	---	1	INT16U	R	---	0	N	
			Command Data 025	5151	---	1	INT16U	R	---	0	N	
			Command Data 026	5152	---	1	INT16U	R	---	0	N	
			Command Data 027	5153	---	1	INT16U	R	---	0	N	
			Command Data 028	5154	---	1	INT16U	R	---	0	N	
			Command Data 029	5155	---	1	INT16U	R	---	0	N	
			Command Data 030	5156	---	1	INT16U	R	---	0	N	
			Command Data 031	5157	---	1	INT16U	R	---	0	N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Command Data 032	5158	---	1	INT16U	R	---	0	N	
			Command Data 033	5159	---	1	INT16U	R	---	0	N	
			Command Data 034	5160	---	1	INT16U	R	---	0	N	
			Command Data 035	5161	---	1	INT16U	R	---	0	N	
			Command Data 036	5162	---	1	INT16U	R	---	0	N	
			Command Data 037	5163	---	1	INT16U	R	---	0	N	
			Command Data 038	5164	---	1	INT16U	R	---	0	N	
			Command Data 039	5165	---	1	INT16U	R	---	0	N	
			Command Data 040	5166	---	1	INT16U	R	---	0	N	
			Command Data 041	5167	---	1	INT16U	R	---	0	N	
			Command Data 042	5168	---	1	INT16U	R	---	0	N	
			Command Data 043	5169	---	1	INT16U	R	---	0	N	
			Command Data 044	5170	---	1	INT16U	R	---	0	N	
			Command Data 045	5171	---	1	INT16U	R	---	0	N	
			Command Data 046	5172	---	1	INT16U	R	---	0	N	
			Command Data 047	5173	---	1	INT16U	R	---	0	N	
			Command Data 048	5174	---	1	INT16U	R	---	0	N	
			Command Data 049	5175	---	1	INT16U	R	---	0	N	
			Command Data 050	5176	---	1	INT16U	R	---	0	N	
			Command Data 051	5177	---	1	INT16U	R	---	0	N	
			Command Data 052	5178	---	1	INT16U	R	---	0	N	
			Command Data 053	5179	---	1	INT16U	R	---	0	N	
			Command Data 054	5180	---	1	INT16U	R	---	0	N	
			Command Data 055	5181	---	1	INT16U	R	---	0	N	
			Command Data 056	5182	---	1	INT16U	R	---	0	N	
			Command Data 057	5183	---	1	INT16U	R	---	0	N	
			Command Data 058	5184	---	1	INT16U	R	---	0	N	
			Command Data 059	5185	---	1	INT16U	R	---	0	N	
			Command Data 060	5186	---	1	INT16U	R	---	0	N	
			Command Data 061	5187	---	1	INT16U	R	---	0	N	
			Command Data 062	5188	---	1	INT16U	R	---	0	N	
			Command Data 063	5189	---	1	INT16U	R	---	0	N	
			Command Data 064	5190	---	1	INT16U	R	---	0	N	
			Command Data 065	5191	---	1	INT16U	R	---	0	N	
			Command Data 066	5192	---	1	INT16U	R	---	0	N	
			Command Data 067	5193	---	1	INT16U	R	---	0	N	
			Command Data 068	5194	---	1	INT16U	R	---	0	N	
			Command Data 069	5195	---	1	INT16U	R	---	0	N	
			Command Data 070	5196	---	1	INT16U	R	---	0	N	
			Command Data 071	5197	---	1	INT16U	R	---	0	N	
			Command Data 072	5198	---	1	INT16U	R	---	0	N	
			Command Data 073	5199	---	1	INT16U	R	---	0	N	
			Command Data 074	5200	---	1	INT16U	R	---	0	N	
			Command Data 075	5201	---	1	INT16U	R	---	0	N	
			Command Data 076	5202	---	1	INT16U	R	---	0	N	
			Command Data 077	5203	---	1	INT16U	R	---	0	N	
			Command Data 078	5204	---	1	INT16U	R	---	0	N	
			Command Data 079	5205	---	1	INT16U	R	---	0	N	
			Command Data 080	5206	---	1	INT16U	R	---	0	N	
			Command Data 081	5207	---	1	INT16U	R	---	0	N	
			Command Data 082	5208	---	1	INT16U	R	---	0	N	
			Command Data 083	5209	---	1	INT16U	R	---	0	N	
			Command Data 084	5210	---	1	INT16U	R	---	0	N	
			Command Data 085	5211	---	1	INT16U	R	---	0	N	
			Command Data 086	5212	---	1	INT16U	R	---	0	N	
			Command Data 087	5213	---	1	INT16U	R	---	0	N	
			Command Data 088	5214	---	1	INT16U	R	---	0	N	
			Command Data 089	5215	---	1	INT16U	R	---	0	N	
			Command Data 090	5216	---	1	INT16U	R	---	0	N	
			Command Data 091	5217	---	1	INT16U	R	---	0	N	
			Command Data 092	5218	---	1	INT16U	R	---	0	N	
			Command Data 093	5219	---	1	INT16U	R	---	0	N	
			Command Data 094	5220	---	1	INT16U	R	---	0	N	
			Command Data 095	5221	---	1	INT16U	R	---	0	N	
			Command Data 096	5222	---	1	INT16U	R	---	0	N	
			Command Data 097	5223	---	1	INT16U	R	---	0	N	
			Command Data 098	5224	---	1	INT16U	R	---	0	N	
			Command Data 099	5225	---	1	INT16U	R	---	0	N	
			Command Data 100	5226	---	1	INT16U	R	---	0	N	
			Command Data 101	5227	---	1	INT16U	R	---	0	N	
			Command Data 102	5228	---	1	INT16U	R	---	0	N	
			Command Data 103	5229	---	1	INT16U	R	---	0	N	
			Command Data 104	5230	---	1	INT16U	R	---	0	N	
			Command Data 105	5231	---	1	INT16U	R	---	0	N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Command Data 106	5232	---	1	INT16U	R	---	0	N	
			Command Data 107	5233	---	1	INT16U	R	---	0	N	
			Command Data 108	5234	---	1	INT16U	R	---	0	N	
			Command Data 109	5235	---	1	INT16U	R	---	0	N	
			Command Data 110	5236	---	1	INT16U	R	---	0	N	
			Command Data 111	5237	---	1	INT16U	R	---	0	N	
			Command Data 112	5238	---	1	INT16U	R	---	0	N	
			Command Data 113	5239	---	1	INT16U	R	---	0	N	
			Command Data 114	5240	---	1	INT16U	R	---	0	N	
			Command Data 115	5241	---	1	INT16U	R	---	0	N	
			Command Data 116	5242	---	1	INT16U	R	---	0	N	
			Command Data 117	5243	---	1	INT16U	R	---	0	N	
			Command Data 118	5244	---	1	INT16U	R	---	0	N	
			Command Data 119	5245	---	1	INT16U	R	---	0	N	
			Command Data 120	5246	---	1	INT16U	R	---	0	N	
			Command Data 121	5247	---	1	INT16U	R	---	0	N	
			Command Data 122	5248	---	1	INT16U	R	---	0	N	
			Command Data 123	5249	---	1	INT16U	R	---	0	N	
	Unprotected Command Interface			5250	---		---	---	---	---	---	
		Command parameters		5250	---		---	---	---	---	---	
			Requested Command	5250	---	1	INT16U	RW	1 – 32767	0	N	
			Command Parameter 001	5252	---	1	INT16U	RW	---	0	N	
			Command Parameter 002	5253	---	1	INT16U	RW	---	0	N	
			Command Parameter 003	5254	---	1	INT16U	RW	---	0	N	
			Command Parameter 004	5255	---	1	INT16U	RW	---	0	N	
			Command Parameter 005	5256	---	1	INT16U	RW	---	0	N	
			Command Parameter 006	5257	---	1	INT16U	RW	---	0	N	
			Command Parameter 007	5258	---	1	INT16U	RW	---	0	N	
			Command Parameter 008	5259	---	1	INT16U	RW	---	0	N	
			Command Parameter 009	5260	---	1	INT16U	RW	---	0	N	
			Command Parameter 010	5261	---	1	INT16U	RW	---	0	N	
			Command Parameter 011	5262	---	1	INT16U	RW	---	0	N	
			Command Parameter 012	5263	---	1	INT16U	RW	---	0	N	
			Command Parameter 013	5264	---	1	INT16U	RW	---	0	N	
			Command Parameter 014	5265	---	1	INT16U	RW	---	0	N	
			Command Parameter 015	5266	---	1	INT16U	RW	---	0	N	
			Command Parameter 016	5267	---	1	INT16U	RW	---	0	N	
			Command Parameter 017	5268	---	1	INT16U	RW	---	0	N	
			Command Parameter 018	5269	---	1	INT16U	RW	---	0	N	
			Command Parameter 019	5270	---	1	INT16U	RW	---	0	N	
			Command Parameter 020	5271	---	1	INT16U	RW	---	0	N	
			Command Parameter 021	5272	---	1	INT16U	RW	---	0	N	
			Command Parameter 022	5273	---	1	INT16U	RW	---	0	N	
			Command Parameter 023	5274	---	1	INT16U	RW	---	0	N	
			Command Parameter 024	5275	---	1	INT16U	RW	---	0	N	
			Command Parameter 025	5276	---	1	INT16U	RW	---	0	N	
			Command Parameter 026	5277	---	1	INT16U	RW	---	0	N	
			Command Parameter 027	5278	---	1	INT16U	RW	---	0	N	
			Command Parameter 028	5279	---	1	INT16U	RW	---	0	N	
			Command Parameter 029	5280	---	1	INT16U	RW	---	0	N	
			Command Parameter 030	5281	---	1	INT16U	RW	---	0	N	
			Command Parameter 031	5282	---	1	INT16U	RW	---	0	N	
			Command Parameter 032	5283	---	1	INT16U	RW	---	0	N	
			Command Parameter 033	5284	---	1	INT16U	RW	---	0	N	
			Command Parameter 034	5285	---	1	INT16U	RW	---	0	N	
			Command Parameter 035	5286	---	1	INT16U	RW	---	0	N	
			Command Parameter 036	5287	---	1	INT16U	RW	---	0	N	
			Command Parameter 037	5288	---	1	INT16U	RW	---	0	N	
			Command Parameter 038	5289	---	1	INT16U	RW	---	0	N	
			Command Parameter 039	5290	---	1	INT16U	RW	---	0	N	
			Command Parameter 040	5291	---	1	INT16U	RW	---	0	N	
			Command Parameter 041	5292	---	1	INT16U	RW	---	0	N	
			Command Parameter 042	5293	---	1	INT16U	RW	---	0	N	
			Command Parameter 043	5294	---	1	INT16U	RW	---	0	N	
			Command Parameter 044	5295	---	1	INT16U	RW	---	0	N	
			Command Parameter 045	5296	---	1	INT16U	RW	---	0	N	
			Command Parameter 046	5297	---	1	INT16U	RW	---	0	N	
			Command Parameter 047	5298	---	1	INT16U	RW	---	0	N	
			Command Parameter 048	5299	---	1	INT16U	RW	---	0	N	
			Command Parameter 049	5300	---	1	INT16U	RW	---	0	N	
			Command Parameter 050	5301	---	1	INT16U	RW	---	0	N	
			Command Parameter 051	5302	---	1	INT16U	RW	---	0	N	
			Command Parameter 052	5303	---	1	INT16U	RW	---	0	N	
			Command Parameter 053	5304	---	1	INT16U	RW	---	0	N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Command Parameter 054	5305	---	1	INT16U	RW	---	0	N	
			Command Parameter 055	5306	---	1	INT16U	RW	---	0	N	
			Command Parameter 056	5307	---	1	INT16U	RW	---	0	N	
			Command Parameter 057	5308	---	1	INT16U	RW	---	0	N	
			Command Parameter 058	5309	---	1	INT16U	RW	---	0	N	
			Command Parameter 059	5310	---	1	INT16U	RW	---	0	N	
			Command Parameter 060	5311	---	1	INT16U	RW	---	0	N	
			Command Parameter 061	5312	---	1	INT16U	RW	---	0	N	
			Command Parameter 062	5313	---	1	INT16U	RW	---	0	N	
			Command Parameter 063	5314	---	1	INT16U	RW	---	0	N	
			Command Parameter 064	5315	---	1	INT16U	RW	---	0	N	
			Command Parameter 065	5316	---	1	INT16U	RW	---	0	N	
			Command Parameter 066	5317	---	1	INT16U	RW	---	0	N	
			Command Parameter 067	5318	---	1	INT16U	RW	---	0	N	
			Command Parameter 068	5319	---	1	INT16U	RW	---	0	N	
			Command Parameter 069	5320	---	1	INT16U	RW	---	0	N	
			Command Parameter 070	5321	---	1	INT16U	RW	---	0	N	
			Command Parameter 071	5322	---	1	INT16U	RW	---	0	N	
			Command Parameter 072	5323	---	1	INT16U	RW	---	0	N	
			Command Parameter 073	5324	---	1	INT16U	RW	---	0	N	
			Command Parameter 074	5325	---	1	INT16U	RW	---	0	N	
			Command Parameter 075	5326	---	1	INT16U	RW	---	0	N	
			Command Parameter 076	5327	---	1	INT16U	RW	---	0	N	
			Command Parameter 077	5328	---	1	INT16U	RW	---	0	N	
			Command Parameter 078	5329	---	1	INT16U	RW	---	0	N	
			Command Parameter 079	5330	---	1	INT16U	RW	---	0	N	
			Command Parameter 080	5331	---	1	INT16U	RW	---	0	N	
			Command Parameter 081	5332	---	1	INT16U	RW	---	0	N	
			Command Parameter 082	5333	---	1	INT16U	RW	---	0	N	
			Command Parameter 083	5334	---	1	INT16U	RW	---	0	N	
			Command Parameter 084	5335	---	1	INT16U	RW	---	0	N	
			Command Parameter 085	5336	---	1	INT16U	RW	---	0	N	
			Command Parameter 086	5337	---	1	INT16U	RW	---	0	N	
			Command Parameter 087	5338	---	1	INT16U	RW	---	0	N	
			Command Parameter 088	5339	---	1	INT16U	RW	---	0	N	
			Command Parameter 089	5340	---	1	INT16U	RW	---	0	N	
			Command Parameter 090	5341	---	1	INT16U	RW	---	0	N	
			Command Parameter 091	5342	---	1	INT16U	RW	---	0	N	
			Command Parameter 092	5343	---	1	INT16U	RW	---	0	N	
			Command Parameter 093	5344	---	1	INT16U	RW	---	0	N	
			Command Parameter 094	5345	---	1	INT16U	RW	---	0	N	
			Command Parameter 095	5346	---	1	INT16U	RW	---	0	N	
			Command Parameter 096	5347	---	1	INT16U	RW	---	0	N	
			Command Parameter 097	5348	---	1	INT16U	RW	---	0	N	
			Command Parameter 098	5349	---	1	INT16U	RW	---	0	N	
			Command Parameter 099	5350	---	1	INT16U	RW	---	0	N	
			Command Parameter 100	5351	---	1	INT16U	RW	---	0	N	
			Command Parameter 101	5352	---	1	INT16U	RW	---	0	N	
			Command Parameter 102	5353	---	1	INT16U	RW	---	0	N	
			Command Parameter 103	5354	---	1	INT16U	RW	---	0	N	
			Command Parameter 104	5355	---	1	INT16U	RW	---	0	N	
			Command Parameter 105	5356	---	1	INT16U	RW	---	0	N	
			Command Parameter 106	5357	---	1	INT16U	RW	---	0	N	
			Command Parameter 107	5358	---	1	INT16U	RW	---	0	N	
			Command Parameter 108	5359	---	1	INT16U	RW	---	0	N	
			Command Parameter 109	5360	---	1	INT16U	RW	---	0	N	
			Command Parameter 110	5361	---	1	INT16U	RW	---	0	N	
			Command Parameter 111	5362	---	1	INT16U	RW	---	0	N	
			Command Parameter 112	5363	---	1	INT16U	RW	---	0	N	
			Command Parameter 113	5364	---	1	INT16U	RW	---	0	N	
			Command Parameter 114	5365	---	1	INT16U	RW	---	0	N	
			Command Parameter 115	5366	---	1	INT16U	RW	---	0	N	
			Command Parameter 116	5367	---	1	INT16U	RW	---	0	N	
			Command Parameter 117	5368	---	1	INT16U	RW	---	0	N	
			Command Parameter 118	5369	---	1	INT16U	RW	---	0	N	
			Command Parameter 119	5370	---	1	INT16U	RW	---	0	N	
			Command Parameter 120	5371	---	1	INT16U	RW	---	0	N	
			Command Parameter 121	5372	---	1	INT16U	RW	---	0	N	
			Command Parameter 122	5373	---	1	INT16U	RW	---	0	N	
			Command Parameter 123	5374	---	1	INT16U	RW	---	0	N	
		Command result parameters		5375	---	1	INT16U	R	0 – 32767	0	N	
			Command Status	5375	---	1	INT16U	R	0 – 32767	0	N	
			Command Result	5376	---	1	INT16U	R	---	0	N	
			Command Data 001	5377	---	1	INT16U	R	---	0	N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Command Data 002	5378	---	1	INT16U	R	---	0	N	
			Command Data 003	5379	---	1	INT16U	R	---	0	N	
			Command Data 004	5380	---	1	INT16U	R	---	0	N	
			Command Data 005	5381	---	1	INT16U	R	---	0	N	
			Command Data 006	5382	---	1	INT16U	R	---	0	N	
			Command Data 007	5383	---	1	INT16U	R	---	0	N	
			Command Data 008	5384	---	1	INT16U	R	---	0	N	
			Command Data 009	5385	---	1	INT16U	R	---	0	N	
			Command Data 010	5386	---	1	INT16U	R	---	0	N	
			Command Data 011	5387	---	1	INT16U	R	---	0	N	
			Command Data 012	5388	---	1	INT16U	R	---	0	N	
			Command Data 013	5389	---	1	INT16U	R	---	0	N	
			Command Data 014	5390	---	1	INT16U	R	---	0	N	
			Command Data 015	5391	---	1	INT16U	R	---	0	N	
			Command Data 016	5392	---	1	INT16U	R	---	0	N	
			Command Data 017	5393	---	1	INT16U	R	---	0	N	
			Command Data 018	5394	---	1	INT16U	R	---	0	N	
			Command Data 019	5395	---	1	INT16U	R	---	0	N	
			Command Data 020	5396	---	1	INT16U	R	---	0	N	
			Command Data 021	5397	---	1	INT16U	R	---	0	N	
			Command Data 022	5398	---	1	INT16U	R	---	0	N	
			Command Data 023	5399	---	1	INT16U	R	---	0	N	
			Command Data 024	5400	---	1	INT16U	R	---	0	N	
			Command Data 025	5401	---	1	INT16U	R	---	0	N	
			Command Data 026	5402	---	1	INT16U	R	---	0	N	
			Command Data 027	5403	---	1	INT16U	R	---	0	N	
			Command Data 028	5404	---	1	INT16U	R	---	0	N	
			Command Data 029	5405	---	1	INT16U	R	---	0	N	
			Command Data 030	5406	---	1	INT16U	R	---	0	N	
			Command Data 031	5407	---	1	INT16U	R	---	0	N	
			Command Data 032	5408	---	1	INT16U	R	---	0	N	
			Command Data 033	5409	---	1	INT16U	R	---	0	N	
			Command Data 034	5410	---	1	INT16U	R	---	0	N	
			Command Data 035	5411	---	1	INT16U	R	---	0	N	
			Command Data 036	5412	---	1	INT16U	R	---	0	N	
			Command Data 037	5413	---	1	INT16U	R	---	0	N	
			Command Data 038	5414	---	1	INT16U	R	---	0	N	
			Command Data 039	5415	---	1	INT16U	R	---	0	N	
			Command Data 040	5416	---	1	INT16U	R	---	0	N	
			Command Data 041	5417	---	1	INT16U	R	---	0	N	
			Command Data 042	5418	---	1	INT16U	R	---	0	N	
			Command Data 043	5419	---	1	INT16U	R	---	0	N	
			Command Data 044	5420	---	1	INT16U	R	---	0	N	
			Command Data 045	5421	---	1	INT16U	R	---	0	N	
			Command Data 046	5422	---	1	INT16U	R	---	0	N	
			Command Data 047	5423	---	1	INT16U	R	---	0	N	
			Command Data 048	5424	---	1	INT16U	R	---	0	N	
			Command Data 049	5425	---	1	INT16U	R	---	0	N	
			Command Data 050	5426	---	1	INT16U	R	---	0	N	
			Command Data 051	5427	---	1	INT16U	R	---	0	N	
			Command Data 052	5428	---	1	INT16U	R	---	0	N	
			Command Data 053	5429	---	1	INT16U	R	---	0	N	
			Command Data 054	5430	---	1	INT16U	R	---	0	N	
			Command Data 055	5431	---	1	INT16U	R	---	0	N	
			Command Data 056	5432	---	1	INT16U	R	---	0	N	
			Command Data 057	5433	---	1	INT16U	R	---	0	N	
			Command Data 058	5434	---	1	INT16U	R	---	0	N	
			Command Data 059	5435	---	1	INT16U	R	---	0	N	
			Command Data 060	5436	---	1	INT16U	R	---	0	N	
			Command Data 061	5437	---	1	INT16U	R	---	0	N	
			Command Data 062	5438	---	1	INT16U	R	---	0	N	
			Command Data 063	5439	---	1	INT16U	R	---	0	N	
			Command Data 064	5440	---	1	INT16U	R	---	0	N	
			Command Data 065	5441	---	1	INT16U	R	---	0	N	
			Command Data 066	5442	---	1	INT16U	R	---	0	N	
			Command Data 067	5443	---	1	INT16U	R	---	0	N	
			Command Data 068	5444	---	1	INT16U	R	---	0	N	
			Command Data 069	5445	---	1	INT16U	R	---	0	N	
			Command Data 070	5446	---	1	INT16U	R	---	0	N	
			Command Data 071	5447	---	1	INT16U	R	---	0	N	
			Command Data 072	5448	---	1	INT16U	R	---	0	N	
			Command Data 073	5449	---	1	INT16U	R	---	0	N	
			Command Data 074	5450	---	1	INT16U	R	---	0	N	
			Command Data 075	5451	---	1	INT16U	R	---	0	N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Command Data 076	5452	---	1	INT16U	R	---	0	N	
			Command Data 077	5453	---	1	INT16U	R	---	0	N	
			Command Data 078	5454	---	1	INT16U	R	---	0	N	
			Command Data 079	5455	---	1	INT16U	R	---	0	N	
			Command Data 080	5456	---	1	INT16U	R	---	0	N	
			Command Data 081	5457	---	1	INT16U	R	---	0	N	
			Command Data 082	5458	---	1	INT16U	R	---	0	N	
			Command Data 083	5459	---	1	INT16U	R	---	0	N	
			Command Data 084	5460	---	1	INT16U	R	---	0	N	
			Command Data 085	5461	---	1	INT16U	R	---	0	N	
			Command Data 086	5462	---	1	INT16U	R	---	0	N	
			Command Data 087	5463	---	1	INT16U	R	---	0	N	
			Command Data 088	5464	---	1	INT16U	R	---	0	N	
			Command Data 089	5465	---	1	INT16U	R	---	0	N	
			Command Data 090	5466	---	1	INT16U	R	---	0	N	
			Command Data 091	5467	---	1	INT16U	R	---	0	N	
			Command Data 092	5468	---	1	INT16U	R	---	0	N	
			Command Data 093	5469	---	1	INT16U	R	---	0	N	
			Command Data 094	5470	---	1	INT16U	R	---	0	N	
			Command Data 095	5471	---	1	INT16U	R	---	0	N	
			Command Data 096	5472	---	1	INT16U	R	---	0	N	
			Command Data 097	5473	---	1	INT16U	R	---	0	N	
			Command Data 098	5474	---	1	INT16U	R	---	0	N	
			Command Data 099	5475	---	1	INT16U	R	---	0	N	
			Command Data 100	5476	---	1	INT16U	R	---	0	N	
			Command Data 101	5477	---	1	INT16U	R	---	0	N	
			Command Data 102	5478	---	1	INT16U	R	---	0	N	
			Command Data 103	5479	---	1	INT16U	R	---	0	N	
			Command Data 104	5480	---	1	INT16U	R	---	0	N	
			Command Data 105	5481	---	1	INT16U	R	---	0	N	
			Command Data 106	5482	---	1	INT16U	R	---	0	N	
			Command Data 107	5483	---	1	INT16U	R	---	0	N	
			Command Data 108	5484	---	1	INT16U	R	---	0	N	
			Command Data 109	5485	---	1	INT16U	R	---	0	N	
			Command Data 110	5486	---	1	INT16U	R	---	0	N	
			Command Data 111	5487	---	1	INT16U	R	---	0	N	
			Command Data 112	5488	---	1	INT16U	R	---	0	N	
			Command Data 113	5489	---	1	INT16U	R	---	0	N	
			Command Data 114	5490	---	1	INT16U	R	---	0	N	
			Command Data 115	5491	---	1	INT16U	R	---	0	N	
			Command Data 116	5492	---	1	INT16U	R	---	0	N	
			Command Data 117	5493	---	1	INT16U	R	---	0	N	
			Command Data 118	5494	---	1	INT16U	R	---	0	N	
			Command Data 119	5495	---	1	INT16U	R	---	0	N	
			Command Data 120	5496	---	1	INT16U	R	---	0	N	
			Command Data 121	5497	---	1	INT16U	R	---	0	N	
			Command Data 122	5498	---	1	INT16U	R	---	0	N	
			Command Data 123	5499	---	1	INT16U	R	---	0	N	
	Mailbox Registers			5580	---		---	---	---	---	---	Mailbox registers for customer use.
			Mailbox Register 001	5580	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 002	5581	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 003	5582	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 004	5583	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 005	5584	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 006	5585	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 007	5586	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 008	5587	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 009	5588	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 010	5589	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 011	5590	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 012	5591	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 013	5592	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 014	5593	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 015	5594	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 016	5595	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 017	5596	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 018	5597	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 019	5598	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 020	5599	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 021	5600	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 022	5601	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 023	5602	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 024	5603	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 025	5604	---	1	INT16U	RW	---	0	Y	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Mailbox Register 026	5605	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 027	5606	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 028	5607	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 029	5608	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 030	5609	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 031	5610	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 032	5611	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 033	5612	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 034	5613	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 035	5614	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 036	5615	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 037	5616	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 038	5617	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 039	5618	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 040	5619	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 041	5620	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 042	5621	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 043	5622	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 044	5623	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 045	5624	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 046	5625	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 047	5626	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 048	5627	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 049	5628	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 050	5629	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 051	5630	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 052	5631	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 053	5632	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 054	5633	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 055	5634	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 056	5635	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 057	5636	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 058	5637	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 059	5638	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 060	5639	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 061	5640	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 062	5641	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 063	5642	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 064	5643	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 065	5644	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 066	5645	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 067	5646	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 068	5647	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 069	5648	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 070	5649	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 071	5650	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 072	5651	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 073	5652	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 074	5653	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 075	5654	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 076	5655	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 077	5656	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 078	5657	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 079	5658	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 080	5659	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 081	5660	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 082	5661	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 083	5662	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 084	5663	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 085	5664	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 086	5665	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 087	5666	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 088	5667	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 089	5668	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 090	5669	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 091	5670	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 092	5671	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 093	5672	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 094	5673	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 095	5674	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 096	5675	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 097	5676	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 098	5677	---	1	INT16U	RW	---	0	Y	
			Mailbox Register 099	5678	---	1	INT16U	RW	---	0	Y	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Mailbox Register 100	5679	---	1	INT16U	RW	---	0	Y	
	Command Semaphore			5680	---	1	INT16U	RW	---	---	N	
HMI				6000	---		---	---	---	---	---	
	Setup			6000	---		---	---	---	---	---	
		Basic HMI Setup		6000	---		---	---	---	---	---	
			HMI Contrast Setting	6001	---	1	INT16U	RWC	1 – 9	5	Y	1 = Brightest…9 = Dimmest
			HMI Language	6003	---	1	INT16U	RWC	0 – 12	0	Y	0 = EnglishUS 1 = EnglishUK 2 = French 3 = Spanish 4 = German 5 = Italian 6 = Polish 7 = Portuguese 8 = Turkish 9 = Chinese 10 = Russian 11 = Arabic 12 = Dutch
			HMI Date Format	6004	---	1	INT16U	RWC	0 – 2	0	Y	0 = MM/DD/YYYY 1 = YYYY/MM/DD 2 = DD/MM/YYYY
			HMI Time Format	6005	---	1	INT16U	RWC	0 – 1	0	Y	0 = 2400hr 1 = AM/PM
			HMI IEC/IEEE Mode	6006	---	1	INT16U	RWC	0 – 1	0	Y	0 = IEC 1 = IEEE
			HMI Screen Timeout	6007	minutes	1	INT16U	RWC	0 – 60	0	Y	0 = disabled
			HMI Backlight Timeout	6008	minutes	1	INT16U	RWC	0 – 60	5	Y	0 = disabled
Communications				6500	---		---	---	---	---	---	
	RS-485			6500	---		---	---	---	---	---	
		RS-485 Base Unit		6500	---		---	---	---	---	---	
			RS-485 Comm Port (M/S) Protocol	6500	---	1	INT16U	RWC	0 – 3	0	Y	0 = Modbus 1 = Jbus 2 = Modbus ASCII 8-Bit 3 = Modbus ASCII 7-Bit
			RS-485 Comm Port (M/S) Address	6501	---	1	INT16U	RWC	1 – 255	1	Y	Valid Addresses: Modbus: 1 – 247 Jbus: 1 – 255
			RS-485 Comm Port (M/S) Baud Rate	6502	---	1	INT16U	RWC	0 – 2	1	Y	0 = 9600 1 = 19200 2 = 38400
			RS-485 Comm Port (M/S) Parity	6503	---	1	INT16U	RWC	0 – 2	0	Y	0 = Even 1 = Odd 2 = None
			RS-485 Comm Port (M/S) Modbus ASCII Default Timeou	6504	msec	1	INT16U	RWC	50 – 5000	1000	Y	Timeout for end of ASCII packet when no control delimitation is detected.
			RS-485 Comm Port (M/S) Packets To This Unit	6508	---	1	INT16U	R	---	0	Y	Number of valid messages addressed to this unit
			RS-485 Comm Port (S) Packets To Other Units	6509	---	1	INT16U	R	---	0	Y	Number of valid messages addressed to other units
			RS-485 Comm Port (M/S) Packets With Bad CRC	6510	---	1	INT16U	R	---	0	Y	Number of messages received with bad CRC
			RS-485 Comm Port (M/S) Packets With Error	6511	---	1	INT16U	R	---	0	Y	Number of messages received with errors
			RS-485 Comm Port (M/S) Packets With Illegal Opcode	6512	---	1	INT16U	R	---	0	Y	Number of messages received with an illegal opcode
			RS-485 Comm Port (M/S) Number Of Exceptions	6513	---	1	INT16U	R	---	0	Y	Number of exception replies
Inputs & Outputs				7000	---		---	---	---	---	---	
	Demand Sync Setup			7020	---		---	---	---	---	---	
		Digital Input Associations With Demand Systems		7020	---		---	---	---	---	---	
			Demand System 1 (Power)	7020	---	1	INT16U	RWC	0 – 68	0	Y	
			Demand System 2 (Current)	7021	---	1	INT16U	RWC	0 – 68	0	Y	
		Digital Output Associations With Demand Systems		7026	---		---	---	---	---	---	
			Demand System 1 (Power)	7026	---	1	INT16U	RWC	0 – 68	0	Y	
			Demand System 2 (Current)	7027	---	1	INT16U	RWC	0 – 68	0	Y	
	Digital Inputs Setup			7273	---		---	---	---	---	---	
		Base Unit - Digital Input DI1		7273	---		---	---	---	---	---	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Type	7273	---	1	INT16U	R	100 – 199	102	N	First digit (1) indicates point is digital input Second digit indicates the digital input module type Second digit can be used to identify specific hardware options. 0 = Generic digital input Third digit indicates input type 1 = AC 2 = DC
			Control Mode	7274	---	1	INT16U	RWC	0 – 5	0	N	0 = Normal (Alarm) 1 = Demand Interval Sync Pulse 2 = Multi-tariff Control 3 = Input Metering 4 = Conditional Energy Control 5 = Incremental Energy Reset
			Label	7275	---	20	UTF8	RWC	---	"Digital Input DI1"	Y	
			Debounce Time	7295	msec	1	INT16U	RWC	10 – 1000	10	Y	Must be entered in increments of 10ms.
		Base Unit - Digital Input DI2		7297	---		---	---	---	---	---	
			Type	7297	---	1	INT16U	R	100 – 199	102	N	
			Control Mode	7298	---	1	INT16U	RWC	0 – 5	0	N	
			Label	7299	---	20	UTF8	RWC	---	"Digital Input DI2"	Y	
			Debounce Time	7319	msec	1	INT16U	RWC	10 – 1000	10	Y	Must be entered in increments of 10ms.
		Base Unit - Digital Input DI3		7321	---		---	---	---	---	---	
			Type	7321	---	1	INT16U	R	100 – 199	102	N	
			Control Mode	7322	---	1	INT16U	RWC	0 – 5	0	N	
			Label	7323	---	20	UTF8	RWC	---	"Digital Input DI3"	Y	
			Debounce Time	7343	msec	1	INT16U	RWC	10 – 1000	10	Y	Must be entered in increments of 10ms.
		Base Unit - Digital Input DI4		7345	---		---	---	---	---	---	
			Type	7345	---	1	INT16U	R	100 – 199	102	N	
			Control Mode	7346	---	1	INT16U	RWC	0 – 5	0	N	
			Label	7347	---	20	UTF8	RWC	---	"Digital Input DI4"	Y	
			Debounce Time	7367	msec	1	INT16U	RWC	10 – 1000	10	Y	Must be entered in increments of 10ms.
	Digital Inputs Status			8905	---		---	---	---	---	---	
		On/Off Status		8905	---		---	---	---	---	---	
			Digital Input Status – Base Unit	8905	---	2	BITMAP	R	0x0000 – 0x000F	0x0000	N	
		Base Unit - Digital Input DI1		8915	---		---	---	---	---	---	
			Count	8915	---	2	INT32U	R	---	0	Y	
			On Time	8917	seconds	2	INT32U	R	---	0	Y	
		Base Unit - Digital Input DI2		8919	---		---	---	---	---	---	
			Count	8919	---	2	INT32U	R	---	0	Y	
			On Time	8921	seconds	2	INT32U	R	---	0	Y	
		Base Unit - Digital Input DI3		8923	---		---	---	---	---	---	
			Count	8923	---	2	INT32U	R	---	0	Y	
			On Time	8925	seconds	2	INT32U	R	---	0	Y	
		Base Unit - Digital Input DI4		8927	---		---	---	---	---	---	
			Count	8927	---	2	INT32U	R	---	0	Y	
			On Time	8929	seconds	2	INT32U	R	---	0	Y	
	Digital Outputs Setup			9187	---		---	---	---	---	---	
		Base Unit - Digital Output DO1		9187	---		---	---	---	---	---	
			Type	9187	---	1	INT16U	R	201 – 299	201	N	First digit (2) indicates point is digital output Second digit indicates module type 0 = Generic Digital output Third digit indicates output type 1 = solid state relay 2 = electromechanical relay
			Label	9188	---	20	UTF8	RWC	---	"Digital Output DO1"	Y	
			Behavioral Mode	9209	---	1	INT16U	RWC	0 – 2	0	Y	0 = Normal (forced by a control mode of Energy) 1 = Timed (forced by a control mode of Demand Sync) 2 = Coil Hold
			On Time For Timed Mode	9210	seconds	1	INT16U	RWC	---	1	Y	The time for the output to remain energized when the output is energized in timed mode.
		Base Unit - Digital Output DO2		9211	---		---	---	---	---	---	
			Type	9211	---	1	INT16U	R	201 – 299	201	N	
			Label	9212	---	20	UTF8	RWC	---	"Digital Output DO2"	Y	
			Behavioral Mode	9233	---	1	INT16U	RWC	0 – 2	0	Y	0 = Normal 1 = Timed 2 = Coil Hold
			On Time For Timed Mode	9234	seconds	1	INT16U	RWC	---	1	Y	The time for the output to remain energized when the output is energized in timed mode.
	Digital Outputs Status			9667	---		---	---	---	---	---	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
		On/Off Status		9667	---		---	---	---	---	---	
			Digital Output Status – Base Unit	9667	---	1	BITMAP	R	0x0000 – 0x000F	0x0000	Y	
		Base Unit - Digital Output DO1		9672	---		---	---	---	---	---	
			Operating Mode Status	9672	---	1	INT16U	R	0 – 1	0	N	0 = Normal, 1 = Override Operating Mode is changed by command. Override is considered a temporary condition used for troubleshooting. The state is volatile. That is to say that if the meter resets, the digital output will revert to normal operation.
			Control Mode Status	9673	---	1	INT16U	R	0 – 3	0	N	0 = External 1 = Demand Sync 2 = Alarm 3 = Energy (Energy control modes are not available for electromechanical relays.)
			Behavioral Mode Status	9674	---	1	INT16U	R	0 – 2	0	Y	0 = Normal 1 = Timed 2 = Coil Hold (Behavioral Mode will be forced to Normal when in Override Operating Mode.)
			Count	9675	---	2	INT32U	R	---	0	Y	
			On Time	9677	seconds	2	INT32U	R	---	0	Y	
		Base Unit - Digital Output DO2		9680	---		---	---	---	---	---	
			Operating Mode Status	9680	---	1	INT16U	R	0 – 1	0	N	
			Control Mode Status	9681	---	1	INT16U	R	0 – 3	0	N	
			Behavioral Mode Status	9682	---	1	INT16U	R	0 – 2	0	Y	
			Count	9683	---	2	INT32U	R	---	0	Y	
			On Time	9685	seconds	2	INT32U	R	---	0	Y	
Alarms				11000	---		---	---	---	---	---	
	Alarm Status			11010	---		---	---	---	---	---	
		Detected Priority Status		11010	---		---	---	---	---	---	
			Detected Priority Status Bitmap	11010	---	1	BITMAP	R	0x0000 - 0x001F	0	N	Bit 01 = 1 if any priority 1-3 alarm is active Bit 02 = 1 if a “High” (1) priority alarm is active Bit 03 = 1 if a “Medium” (2) priority alarm is active Bit 04 = 1 if a “Low” (3) priority alarm is active Bit 05 = 1 if a "None" (0) priority alarm is active
		Enabled Alarm Bitmaps		11040	---		---	---	---	---	---	
			Standard – 1 second 1	11040	---	1	BITMAP	R		0	N	0 = Disabled; 1 = Enabled
			Standard – 1 second 2	11041	---	1	BITMAP	R		0	N	
			Standard – 1 second 3	11042	---	1	BITMAP	R		0	N	
			Unary	11050	---	1	BITMAP	R		0	N	
			Digital 1	11051	---	1	BITMAP	R		0	N	
		Detected Alarm Bitmaps		11059	---		---	---	---	---	---	
			Standard – 1 second Group 1	11059	---	1	BITMAP	R		0	N	0 = Not Detected; 1 = Detected
			Standard – 1 second Group 2	11060	---	1	BITMAP	R		0	N	
			Standard – 1 second Group 3	11061	---	1	BITMAP	R		0	N	
			Unary	11069	---	1	BITMAP	R		0	N	
			Digital Group 1	11070	---	1	BITMAP	R		0	N	
		Unacknowledged High Priority Alarm Bitmaps		11078	---		---	---	---	---	---	
			Standard – 1 second 1	11078	---	1	BITMAP	R		0	N	0 = Acknowledged; 1 = Unacknowledged
			Standard – 1 second 2	11079	---	1	BITMAP	R		0	N	
			Standard – 1 second 3	11080	---	1	BITMAP	R		0	N	
			Unary	11088	---	1	BITMAP	R		0	N	
			Digital 1	11089	---	1	BITMAP	R		0	N	
	Alarm Event Queue			11111	---		---	---	---	---	---	
			Version of Event Queue	11111	---	1	INT16U	R		0	N	
			Size of Event Queue	11113	---	1	INT16U	R		100	N	
			Number of Entries in Event Queue	11114	---	1	INT16U	R	0 – 100	0	Y	
			Entry Number of Most Recent Event	11115	---	1	INT16U	R		0	Y	Rolls over from 65535 to 0.
		Entry 001		11116	---		---	---	---	---	---	
			Entry Number	11116	---	1	INT16U	R		N/A	N	
			Date/Time	11117	---	4	DATETIME	R		N/A	N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	11121	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11122	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11123	---	4	INT16U	R		N/A	N	
			Sequence Number	11127	---	1	INT16U	R		N/A	N	
		Entry 002		11128	---		---	---	---	---	---	
			Entry Number	11128	---	1	INT16U	R		N/A	N	
			Date/Time	11129	---	4	DATETIME	R		N/A	N	
			Record Type	11133	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11134	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11135	---	4	INT16U	R		N/A	N	
			Sequence Number	11139	---	1	INT16U	R		N/A	N	
		Entry 003		11140	---		---	---	---	---	---	
			Entry Number	11140	---	1	INT16U	R		N/A	N	
			Date/Time	11141	---	4	DATETIME	R		N/A	N	
			Record Type	11145	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11146	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11147	---	4	INT16U	R		N/A	N	
			Sequence Number	11151	---	1	INT16U	R		N/A	N	
		Entry 004		11152	---		---	---	---	---	---	
			Entry Number	11152	---	1	INT16U	R		N/A	N	
			Date/Time	11153	---	4	DATETIME	R		N/A	N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	11157	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11158	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11159	---	4	INT16U	R		N/A	N	
			Sequence Number	11163	---	1	INT16U	R		N/A	N	
		Entry 005		11164	---		---	---	---	---	---	
			Entry Number	11164	---	1	INT16U	R		N/A	N	
			Date/Time	11165	---	4	DATETIME	R		N/A	N	
			Record Type	11169	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11170	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11171	---	4	INT16U	R		N/A	N	
			Sequence Number	11175	---	1	INT16U	R		N/A	N	
		Entry 006		11176	---		---	---	---	---	---	
			Entry Number	11176	---	1	INT16U	R		N/A	N	
			Date/Time	11177	---	4	DATETIME	R		N/A	N	
			Record Type	11181	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11182	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11183	---	4	INT16U	R		N/A	N	
			Sequence Number	11187	---	1	INT16U	R		N/A	N	
		Entry 007		11188	---		---	---	---	---	---	
			Entry Number	11188	---	1	INT16U	R		N/A	N	
			Date/Time	11189	---	4	DATETIME	R		N/A	N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	11193	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11194	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11195	---	4	INT16U	R		N/A	N	
			Sequence Number	11199	---	1	INT16U	R		N/A	N	
		Entry 008		11200	---		---	---	---	---	---	
			Entry Number	11200	---	1	INT16U	R		N/A	N	
			Date/Time	11201	---	4	DATETIME	R		N/A	N	
			Record Type	11205	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11206	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11207	---	4	INT16U	R		N/A	N	
			Sequence Number	11211	---	1	INT16U	R		N/A	N	
		Entry 009		11212	---		---	---	---	---	---	
			Entry Number	11212	---	1	INT16U	R		N/A	N	
			Date/Time	11213	---	4	DATETIME	R		N/A	N	
			Record Type	11217	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11218	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11219	---	4	INT16U	R		N/A	N	
			Sequence Number	11223	---	1	INT16U	R		N/A	N	
		Entry 010		11224	---		---	---	---	---	---	
			Entry Number	11224	---	1	INT16U	R		N/A	N	
			Date/Time	11225	---	4	DATETIME	R		N/A	N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	11229	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11230	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11231	---	4	INT16U	R		N/A	N	
			Sequence Number	11235	---	1	INT16U	R		N/A	N	
		Entry 011		11236	---		---	---	---	---	---	
			Entry Number	11236	---	1	INT16U	R		N/A	N	
			Date/Time	11237	---	4	DATETIME	R		N/A	N	
			Record Type	11241	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11242	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11243	---	4	INT16U	R		N/A	N	
			Sequence Number	11247	---	1	INT16U	R		N/A	N	
		Entry 012		11248	---		---	---	---	---	---	
			Entry Number	11248	---	1	INT16U	R		N/A	N	
			Date/Time	11249	---	4	DATETIME	R		N/A	N	
			Record Type	11253	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11254	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11255	---	4	INT16U	R		N/A	N	
			Sequence Number	11259	---	1	INT16U	R		N/A	N	
		Entry 013		11260	---		---	---	---	---	---	
			Entry Number	11260	---	1	INT16U	R		N/A	N	
			Date/Time	11261	---	4	DATETIME	R		N/A	N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	11265	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11266	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11267	---	4	INT16U	R		N/A	N	
			Sequence Number	11271	---	1	INT16U	R		N/A	N	
		Entry 014		11272	---		---	---	---	---	---	
			Entry Number	11272	---	1	INT16U	R		N/A	N	
			Date/Time	11273	---	4	DATETIME	R		N/A	N	
			Record Type	11277	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11278	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11279	---	4	INT16U	R		N/A	N	
			Sequence Number	11283	---	1	INT16U	R		N/A	N	
		Entry 015		11284	---		---	---	---	---	---	
			Entry Number	11284	---	1	INT16U	R		N/A	N	
			Date/Time	11285	---	4	DATETIME	R		N/A	N	
			Record Type	11289	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11290	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11291	---	4	INT16U	R		N/A	N	
			Sequence Number	11295	---	1	INT16U	R		N/A	N	
		Entry 016		11296	---		---	---	---	---	---	
			Entry Number	11296	---	1	INT16U	R		N/A	N	
			Date/Time	11297	---	4	DATETIME	R		N/A	N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	11301	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11302	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11303	---	4	INT16U	R		N/A	N	
			Sequence Number	11307	---	1	INT16U	R		N/A	N	
		Entry 017		11308	---		---	---	---	---	---	
			Entry Number	11308	---	1	INT16U	R		N/A	N	
			Date/Time	11309	---	4	DATETIME	R		N/A	N	
			Record Type	11313	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11314	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11315	---	4	INT16U	R		N/A	N	
			Sequence Number	11319	---	1	INT16U	R		N/A	N	
		Entry 018		11320	---		---	---	---	---	---	
			Entry Number	11320	---	1	INT16U	R		N/A	N	
			Date/Time	11321	---	4	DATETIME	R		N/A	N	
			Record Type	11325	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11326	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11327	---	4	INT16U	R		N/A	N	
			Sequence Number	11331	---	1	INT16U	R		N/A	N	
		Entry 019		11332	---		---	---	---	---	---	
			Entry Number	11332	---	1	INT16U	R		N/A	N	
			Date/Time	11333	---	4	DATETIME	R		N/A	N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	11337	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11338	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11339	---	4	INT16U	R		N/A	N	
			Sequence Number	11343	---	1	INT16U	R		N/A	N	
		Entry 020		11344	---		---	---	---	---	---	
			Entry Number	11344	---	1	INT16U	R		N/A	N	
			Date/Time	11345	---	4	DATETIME	R		N/A	N	
			Record Type	11349	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11350	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11351	---	4	INT16U	R		N/A	N	
			Sequence Number	11355	---	1	INT16U	R		N/A	N	
		Entry 021		11356	---		---	---	---	---	---	
			Entry Number	11356	---	1	INT16U	R		N/A	N	
			Date/Time	11357	---	4	DATETIME	R		N/A	N	
			Record Type	11361	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11362	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11363	---	4	INT16U	R		N/A	N	
			Sequence Number	11367	---	1	INT16U	R		N/A	N	
		Entry 022		11368	---		---	---	---	---	---	
			Entry Number	11368	---	1	INT16U	R		N/A	N	
			Date/Time	11369	---	4	DATETIME	R		N/A	N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	11373	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11374	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11375	---	4	INT16U	R		N/A	N	
			Sequence Number	11379	---	1	INT16U	R		N/A	N	
		Entry 023		11380	---		---	---	---	---	---	
			Entry Number	11380	---	1	INT16U	R		N/A	N	
			Date/Time	11381	---	4	DATETIME	R		N/A	N	
			Record Type	11385	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11386	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11387	---	4	INT16U	R		N/A	N	
			Sequence Number	11391	---	1	INT16U	R		N/A	N	
		Entry 024		11392	---		---	---	---	---	---	
			Entry Number	11392	---	1	INT16U	R		N/A	N	
			Date/Time	11393	---	4	DATETIME	R		N/A	N	
			Record Type	11397	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11398	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11399	---	4	INT16U	R		N/A	N	
			Sequence Number	11403	---	1	INT16U	R		N/A	N	
		Entry 025		11404	---		---	---	---	---	---	
			Entry Number	11404	---	1	INT16U	R		N/A	N	
			Date/Time	11405	---	4	DATETIME	R		N/A	N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	11409	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11410	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11411	---	4	INT16U	R		N/A	N	
			Sequence Number	11415	---	1	INT16U	R		N/A	N	
		Entry 026		11416	---		---	---	---	---	---	
			Entry Number	11416	---	1	INT16U	R		N/A	N	
			Date/Time	11417	---	4	DATETIME	R		N/A	N	
			Record Type	11421	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11422	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11423	---	4	INT16U	R		N/A	N	
			Sequence Number	11427	---	1	INT16U	R		N/A	N	
		Entry 027		11428	---		---	---	---	---	---	
			Entry Number	11428	---	1	INT16U	R		N/A	N	
			Date/Time	11429	---	4	DATETIME	R		N/A	N	
			Record Type	11433	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11434	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11435	---	4	INT16U	R		N/A	N	
			Sequence Number	11439	---	1	INT16U	R		N/A	N	
		Entry 028		11440	---		---	---	---	---	---	
			Entry Number	11440	---	1	INT16U	R		N/A	N	
			Date/Time	11441	---	4	DATETIME	R		N/A	N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	11445	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11446	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11447	---	4	INT16U	R		N/A	N	
			Sequence Number	11451	---	1	INT16U	R		N/A	N	
		Entry 029		11452	---		---	---	---	---	---	
			Entry Number	11452	---	1	INT16U	R		N/A	N	
			Date/Time	11453	---	4	DATETIME	R		N/A	N	
			Record Type	11457	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11458	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11459	---	4	INT16U	R		N/A	N	
			Sequence Number	11463	---	1	INT16U	R		N/A	N	
		Entry 030		11464	---		---	---	---	---	---	
			Entry Number	11464	---	1	INT16U	R		N/A	N	
			Date/Time	11465	---	4	DATETIME	R		N/A	N	
			Record Type	11469	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11470	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11471	---	4	INT16U	R		N/A	N	
			Sequence Number	11475	---	1	INT16U	R		N/A	N	
		Entry 031		11476	---		---	---	---	---	---	
			Entry Number	11476	---	1	INT16U	R		N/A	N	
			Date/Time	11477	---	4	DATETIME	R		N/A	N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	11481	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11482	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11483	---	4	INT16U	R		N/A	N	
			Sequence Number	11487	---	1	INT16U	R		N/A	N	
		Entry 032		11488	---		---	---	---	---	---	
			Entry Number	11488	---	1	INT16U	R		N/A	N	
			Date/Time	11489	---	4	DATETIME	R		N/A	N	
			Record Type	11493	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11494	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11495	---	4	INT16U	R		N/A	N	
			Sequence Number	11499	---	1	INT16U	R		N/A	N	
		Entry 033		11500	---		---	---	---	---	---	
			Entry Number	11500	---	1	INT16U	R		N/A	N	
			Date/Time	11501	---	4	DATETIME	R		N/A	N	
			Record Type	11505	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11506	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11507	---	4	INT16U	R		N/A	N	
			Sequence Number	11511	---	1	INT16U	R		N/A	N	
		Entry 034		11512	---		---	---	---	---	---	
			Entry Number	11512	---	1	INT16U	R		N/A	N	
			Date/Time	11513	---	4	DATETIME	R		N/A	N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	11517	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11518	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11519	---	4	INT16U	R		N/A	N	
			Sequence Number	11523	---	1	INT16U	R		N/A	N	
		Entry 035		11524	---		---	---	---	---	---	
			Entry Number	11524	---	1	INT16U	R		N/A	N	
			Date/Time	11525	---	4	DATETIME	R		N/A	N	
			Record Type	11529	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11530	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11531	---	4	INT16U	R		N/A	N	
			Sequence Number	11535	---	1	INT16U	R		N/A	N	
		Entry 036		11536	---		---	---	---	---	---	
			Entry Number	11536	---	1	INT16U	R		N/A	N	
			Date/Time	11537	---	4	DATETIME	R		N/A	N	
			Record Type	11541	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11542	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11543	---	4	INT16U	R		N/A	N	
			Sequence Number	11547	---	1	INT16U	R		N/A	N	
		Entry 037		11548	---		---	---	---	---	---	
			Entry Number	11548	---	1	INT16U	R		N/A	N	
			Date/Time	11549	---	4	DATETIME	R		N/A	N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	11553	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11554	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11555	---	4	INT16U	R		N/A	N	
			Sequence Number	11559	---	1	INT16U	R		N/A	N	
		Entry 038		11560	---		---	---	---	---	---	
			Entry Number	11560	---	1	INT16U	R		N/A	N	
			Date/Time	11561	---	4	DATETIME	R		N/A	N	
			Record Type	11565	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11566	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11567	---	4	INT16U	R		N/A	N	
			Sequence Number	11571	---	1	INT16U	R		N/A	N	
		Entry 039		11572	---		---	---	---	---	---	
			Entry Number	11572	---	1	INT16U	R		N/A	N	
			Date/Time	11573	---	4	DATETIME	R		N/A	N	
			Record Type	11577	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11578	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11579	---	4	INT16U	R		N/A	N	
			Sequence Number	11583	---	1	INT16U	R		N/A	N	
		Entry 040		11584	---		---	---	---	---	---	
			Entry Number	11584	---	1	INT16U	R		N/A	N	
			Date/Time	11585	---	4	DATETIME	R		N/A	N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	11589	---	1	INT16U	R		N/A	N	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	11590	---	1	INT16U	R		N/A	N	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	11591	---	4	INT16U	R		N/A	N	
			Sequence Number	11595	---	1	INT16U	R		N/A	N	
	Alarm History Log			12316	---		---	---	---	---	---	
			Size of History Log	12316	---	1	INT16U	R		25	N	
			Number of Entries in History Log	12317	---	1	INT16U	R		0	Y	
			Entry Number of Most Recent Event	12318	---	1	INT16U	R		0	Y	Value rolls over from 65535 (0xFFFF) to 0.
		Entry 001		12319	---		---	---	---	---	---	
			Entry Number	12319	---	1	INT16U	R		N/A	Y	
			Date/Time	12320	---	4	DATETIME	R		N/A	Y	
			Record Type	12324	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12325	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12326	---	4	INT16U	R		N/A	Y	
			Sequence Number	12330	---	1	INT16U	R		N/A	Y	
		Entry 002		12331	---		---	---	---	---	---	
			Entry Number	12331	---	1	INT16U	R		N/A	Y	
			Date/Time	12332	---	4	DATETIME	R		N/A	Y	
			Record Type	12336	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12337	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12338	---	4	INT16U	R		N/A	Y	
			Sequence Number	12342	---	1	INT16U	R		N/A	Y	
		Entry 003		12343	---		---	---	---	---	---	
			Entry Number	12343	---	1	INT16U	R		N/A	Y	
			Date/Time	12344	---	4	DATETIME	R		N/A	Y	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	12348	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12349	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12350	---	4	INT16U	R		N/A	Y	
			Sequence Number	12354	---	1	INT16U	R		N/A	Y	
		Entry 004		12355	---		---	---	---	---	---	
			Entry Number	12355	---	1	INT16U	R		N/A	Y	
			Date/Time	12356	---	4	DATETIME	R		N/A	Y	
			Record Type	12360	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12361	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12362	---	4	INT16U	R		N/A	Y	
			Sequence Number	12366	---	1	INT16U	R		N/A	Y	
		Entry 005		12367	---		---	---	---	---	---	
			Entry Number	12367	---	1	INT16U	R		N/A	Y	
			Date/Time	12368	---	4	DATETIME	R		N/A	Y	
			Record Type	12372	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12373	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12374	---	4	INT16U	R		N/A	Y	
			Sequence Number	12378	---	1	INT16U	R		N/A	Y	
		Entry 006		12379	---		---	---	---	---	---	
			Entry Number	12379	---	1	INT16U	R		N/A	Y	
			Date/Time	12380	---	4	DATETIME	R		N/A	Y	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	12384	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12385	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12386	---	4	INT16U	R		N/A	Y	
			Sequence Number	12390	---	1	INT16U	R		N/A	Y	
		Entry 007		12391	---		---	---	---	---	---	
			Entry Number	12391	---	1	INT16U	R		N/A	Y	
			Date/Time	12392	---	4	DATETIME	R		N/A	Y	
			Record Type	12396	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12397	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12398	---	4	INT16U	R		N/A	Y	
			Sequence Number	12402	---	1	INT16U	R		N/A	Y	
		Entry 008		12403	---		---	---	---	---	---	
			Entry Number	12403	---	1	INT16U	R		N/A	Y	
			Date/Time	12404	---	4	DATETIME	R		N/A	Y	
			Record Type	12408	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12409	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12410	---	4	INT16U	R		N/A	Y	
			Sequence Number	12414	---	1	INT16U	R		N/A	Y	
		Entry 009		12415	---		---	---	---	---	---	
			Entry Number	12415	---	1	INT16U	R		N/A	Y	
			Date/Time	12416	---	4	DATETIME	R		N/A	Y	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	12420	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12421	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12422	---	4	INT16U	R		N/A	Y	
			Sequence Number	12426	---	1	INT16U	R		N/A	Y	
		Entry 010		12427	---		---	---	---	---	---	
			Entry Number	12427	---	1	INT16U	R		N/A	Y	
			Date/Time	12428	---	4	DATETIME	R		N/A	Y	
			Record Type	12432	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12433	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12434	---	4	INT16U	R		N/A	Y	
			Sequence Number	12438	---	1	INT16U	R		N/A	Y	
		Entry 011		12439	---		---	---	---	---	---	
			Entry Number	12439	---	1	INT16U	R		N/A	Y	
			Date/Time	12440	---	4	DATETIME	R		N/A	Y	
			Record Type	12444	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12445	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12446	---	4	INT16U	R		N/A	Y	
			Sequence Number	12450	---	1	INT16U	R		N/A	Y	
		Entry 012		12451	---		---	---	---	---	---	
			Entry Number	12451	---	1	INT16U	R		N/A	Y	
			Date/Time	12452	---	4	DATETIME	R		N/A	Y	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	12456	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12457	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12458	---	4	INT16U	R		N/A	Y	
			Sequence Number	12462	---	1	INT16U	R		N/A	Y	
		Entry 013		12463	---		---	---	---	---	---	
			Entry Number	12463	---	1	INT16U	R		N/A	Y	
			Date/Time	12464	---	4	DATETIME	R		N/A	Y	
			Record Type	12468	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12469	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12470	---	4	INT16U	R		N/A	Y	
			Sequence Number	12474	---	1	INT16U	R		N/A	Y	
		Entry 014		12475	---		---	---	---	---	---	
			Entry Number	12475	---	1	INT16U	R		N/A	Y	
			Date/Time	12476	---	4	DATETIME	R		N/A	Y	
			Record Type	12480	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12481	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12482	---	4	INT16U	R		N/A	Y	
			Sequence Number	12486	---	1	INT16U	R		N/A	Y	
		Entry 015		12487	---		---	---	---	---	---	
			Entry Number	12487	---	1	INT16U	R		N/A	Y	
			Date/Time	12488	---	4	DATETIME	R		N/A	Y	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	12492	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12493	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12494	---	4	INT16U	R		N/A	Y	
			Sequence Number	12498	---	1	INT16U	R		N/A	Y	
		Entry 016		12499	---		---	---	---	---	---	
			Entry Number	12499	---	1	INT16U	R		N/A	Y	
			Date/Time	12500	---	4	DATETIME	R		N/A	Y	
			Record Type	12504	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12505	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12506	---	4	INT16U	R		N/A	Y	
			Sequence Number	12510	---	1	INT16U	R		N/A	Y	
		Entry 017		12511	---		---	---	---	---	---	
			Entry Number	12511	---	1	INT16U	R		N/A	Y	
			Date/Time	12512	---	4	DATETIME	R		N/A	Y	
			Record Type	12516	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12517	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12518	---	4	INT16U	R		N/A	Y	
			Sequence Number	12522	---	1	INT16U	R		N/A	Y	
		Entry 018		12523	---		---	---	---	---	---	
			Entry Number	12523	---	1	INT16U	R		N/A	Y	
			Date/Time	12524	---	4	DATETIME	R		N/A	Y	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	12528	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12529	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12530	---	4	INT16U	R		N/A	Y	
			Sequence Number	12534	---	1	INT16U	R		N/A	Y	
		Entry 019		12535	---		---	---	---	---	---	
			Entry Number	12535	---	1	INT16U	R		N/A	Y	
			Date/Time	12536	---	4	DATETIME	R		N/A	Y	
			Record Type	12540	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12541	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12542	---	4	INT16U	R		N/A	Y	
			Sequence Number	12546	---	1	INT16U	R		N/A	Y	
		Entry 020		12547	---		---	---	---	---	---	
			Entry Number	12547	---	1	INT16U	R		N/A	Y	
			Date/Time	12548	---	4	DATETIME	R		N/A	Y	
			Record Type	12552	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12553	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12554	---	4	INT16U	R		N/A	Y	
			Sequence Number	12558	---	1	INT16U	R		N/A	Y	
		Entry 021		12559	---		---	---	---	---	---	
			Entry Number	12559	---	1	INT16U	R		N/A	Y	
			Date/Time	12560	---	4	DATETIME	R		N/A	Y	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	12564	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12565	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12566	---	4	INT16U	R		N/A	Y	
			Sequence Number	12570	---	1	INT16U	R		N/A	Y	
		Entry 022		12571	---		---	---	---	---	---	
			Entry Number	12571	---	1	INT16U	R		N/A	Y	
			Date/Time	12572	---	4	DATETIME	R		N/A	Y	
			Record Type	12576	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12577	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12578	---	4	INT16U	R		N/A	Y	
			Sequence Number	12582	---	1	INT16U	R		N/A	Y	
		Entry 023		12583	---		---	---	---	---	---	
			Entry Number	12583	---	1	INT16U	R		N/A	Y	
			Date/Time	12584	---	4	DATETIME	R		N/A	Y	
			Record Type	12588	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12589	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12590	---	4	INT16U	R		N/A	Y	
			Sequence Number	12594	---	1	INT16U	R		N/A	Y	
		Entry 024		12595	---		---	---	---	---	---	
			Entry Number	12595	---	1	INT16U	R		N/A	Y	
			Date/Time	12596	---	4	DATETIME	R		N/A	Y	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	12600	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12601	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12602	---	4	INT16U	R		N/A	Y	
			Sequence Number	12606	---	1	INT16U	R		N/A	Y	
		Entry 025		12607	---		---	---	---	---	---	
			Entry Number	12607	---	1	INT16U	R		N/A	Y	
			Date/Time	12608	---	4	DATETIME	R		N/A	Y	
			Record Type	12612	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12613	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12614	---	4	INT16U	R		N/A	Y	
			Sequence Number	12618	---	1	INT16U	R		N/A	Y	
		Entry 026		12619	---		---	---	---	---	---	
			Entry Number	12619	---	1	INT16U	R		N/A	Y	
			Date/Time	12620	---	4	DATETIME	R		N/A	Y	
			Record Type	12624	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12625	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12626	---	4	INT16U	R		N/A	Y	
			Sequence Number	12630	---	1	INT16U	R		N/A	Y	
		Entry 027		12631	---		---	---	---	---	---	
			Entry Number	12631	---	1	INT16U	R		N/A	Y	
			Date/Time	12632	---	4	DATETIME	R		N/A	Y	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	12636	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12637	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12638	---	4	INT16U	R		N/A	Y	
			Sequence Number	12642	---	1	INT16U	R		N/A	Y	
		Entry 028		12643	---		---	---	---	---	---	
			Entry Number	12643	---	1	INT16U	R		N/A	Y	
			Date/Time	12644	---	4	DATETIME	R		N/A	Y	
			Record Type	12648	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12649	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12650	---	4	INT16U	R		N/A	Y	
			Sequence Number	12654	---	1	INT16U	R		N/A	Y	
		Entry 029		12655	---		---	---	---	---	---	
			Entry Number	12655	---	1	INT16U	R		N/A	Y	
			Date/Time	12656	---	4	DATETIME	R		N/A	Y	
			Record Type	12660	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12661	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12662	---	4	INT16U	R		N/A	Y	
			Sequence Number	12666	---	1	INT16U	R		N/A	Y	
		Entry 030		12667	---		---	---	---	---	---	
			Entry Number	12667	---	1	INT16U	R		N/A	Y	
			Date/Time	12668	---	4	DATETIME	R		N/A	Y	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	12672	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12673	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12674	---	4	INT16U	R		N/A	Y	
			Sequence Number	12678	---	1	INT16U	R		N/A	Y	
		Entry 031		12679	---		---	---	---	---	---	
			Entry Number	12679	---	1	INT16U	R		N/A	Y	
			Date/Time	12680	---	4	DATETIME	R		N/A	Y	
			Record Type	12684	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12685	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12686	---	4	INT16U	R		N/A	Y	
			Sequence Number	12690	---	1	INT16U	R		N/A	Y	
		Entry 032		12691	---		---	---	---	---	---	
			Entry Number	12691	---	1	INT16U	R		N/A	Y	
			Date/Time	12692	---	4	DATETIME	R		N/A	Y	
			Record Type	12696	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12697	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12698	---	4	INT16U	R		N/A	Y	
			Sequence Number	12702	---	1	INT16U	R		N/A	Y	
		Entry 033		12703	---		---	---	---	---	---	
			Entry Number	12703	---	1	INT16U	R		N/A	Y	
			Date/Time	12704	---	4	DATETIME	R		N/A	Y	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	12708	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12709	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12710	---	4	INT16U	R		N/A	Y	
			Sequence Number	12714	---	1	INT16U	R		N/A	Y	
		Entry 034		12715	---		---	---	---	---	---	
			Entry Number	12715	---	1	INT16U	R		N/A	Y	
			Date/Time	12716	---	4	DATETIME	R		N/A	Y	
			Record Type	12720	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12721	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12722	---	4	INT16U	R		N/A	Y	
			Sequence Number	12726	---	1	INT16U	R		N/A	Y	
		Entry 035		12727	---		---	---	---	---	---	
			Entry Number	12727	---	1	INT16U	R		N/A	Y	
			Date/Time	12728	---	4	DATETIME	R		N/A	Y	
			Record Type	12732	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12733	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12734	---	4	INT16U	R		N/A	Y	
			Sequence Number	12738	---	1	INT16U	R		N/A	Y	
		Entry 036		12739	---		---	---	---	---	---	
			Entry Number	12739	---	1	INT16U	R		N/A	Y	
			Date/Time	12740	---	4	DATETIME	R		N/A	Y	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	12744	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12745	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12746	---	4	INT16U	R		N/A	Y	
			Sequence Number	12750	---	1	INT16U	R		N/A	Y	
		Entry 037		12751	---		---	---	---	---	---	
			Entry Number	12751	---	1	INT16U	R		N/A	Y	
			Date/Time	12752	---	4	DATETIME	R		N/A	Y	
			Record Type	12756	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12757	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12758	---	4	INT16U	R		N/A	Y	
			Sequence Number	12762	---	1	INT16U	R		N/A	Y	
		Entry 038		12763	---		---	---	---	---	---	
			Entry Number	12763	---	1	INT16U	R		N/A	Y	
			Date/Time	12764	---	4	DATETIME	R		N/A	Y	
			Record Type	12768	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12769	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12770	---	4	INT16U	R		N/A	Y	
			Sequence Number	12774	---	1	INT16U	R		N/A	Y	
		Entry 039		12775	---		---	---	---	---	---	
			Entry Number	12775	---	1	INT16U	R		N/A	Y	
			Date/Time	12776	---	4	DATETIME	R		N/A	Y	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Record Type	12780	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12781	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12782	---	4	INT16U	R		N/A	Y	
			Sequence Number	12786	---	1	INT16U	R		N/A	Y	
		Entry 040		12787	---		---	---	---	---	---	
			Entry Number	12787	---	1	INT16U	R		N/A	Y	
			Date/Time	12788	---	4	DATETIME	R		N/A	Y	
			Record Type	12792	---	1	INT16U	R		N/A	Y	The high byte shall be 0xFF The low byte Indicates datatype of Value. 0x0000 Boolean 0x0010 INT16U 0x0011 INT16 0x0020 INT32U 0x0021 INT32 0x0030 INT64U 0x0031 INT64 0x0040 FLOAT32 0x0041 FLOAT64
			Register Number or Event Code	12793	---	1	INT16U	R		N/A	Y	See Event Codes for secondary events and Alarm Attributes for Primary events
			Value	12794	---	4	INT16U	R		N/A	Y	
			Sequence Number	12798	---	1	INT16U	R		N/A	Y	
	Alarm Counters			13519	---		---	---	---	---	---	
		Summary		13519	---		---	---	---	---	---	
			Total Counter	13519	---	1	INT16U	R	---	0	Y	
			Low Priority Counter	13520	---	1	INT16U	R	---	0	Y	
			Medium Priority Counter	13521	---	1	INT16U	R	---	0	Y	
			High Priority Counter	13522	---	1	INT16U	R	---	0	Y	
		1-Second Alarms - Standard		13523	---		---	---	---	---	---	
			Over Current, Phase	13523	---	1	INT16U	R	0 – 9999	0	Y	
			Under Current, Phase	13524	---	1	INT16U	R	0 – 9999	0	Y	
			Over Current, Neutral	13525	---	1	INT16U	R	0 – 9999	0	Y	
			Over Current, Ground	13526	---	1	INT16U	R	0 – 9999	0	Y	
			Over Voltage, L-L	13527	---	1	INT16U	R	0 – 9999	0	Y	
			Under Voltage, L-L	13528	---	1	INT16U	R	0 – 9999	0	Y	
			Over Voltage, L-N	13529	---	1	INT16U	R	0 – 9999	0	Y	
			Under Voltage, L-N	13530	---	1	INT16U	R	0 – 9999	0	Y	
			Over Power, Active	13531	---	1	INT16U	R	0 – 9999	0	Y	
			Over Power, Reactive	13532	---	1	INT16U	R	0 – 9999	0	Y	
			Over Power, Apparent	13533	---	1	INT16U	R	0 – 9999	0	Y	
			Lead Power Factor, True	13534	---	1	INT16U	R	0 – 9999	0	Y	
			Lag Power Factor, True	13535	---	1	INT16U	R	0 – 9999	0	Y	
			Lead Power Factor, Displacement	13536	---	1	INT16U	R	0 – 9999	0	Y	
			Lag Power Factor, Displacement	13537	---	1	INT16U	R	0 – 9999	0	Y	
			Over Demand, Active Power, Present	13538	---	1	INT16U	R	0 – 9999	0	Y	
			Over Demand, Active Power, Last	13539	---	1	INT16U	R	0 – 9999	0	Y	
			Over Demand, Active Power, Predicted	13540	---	1	INT16U	R	0 – 9999	0	Y	
			Over Demand, Reactive Power, Present	13541	---	1	INT16U	R	0 – 9999	0	Y	
			Over Demand, Reactive Power, Last	13542	---	1	INT16U	R	0 – 9999	0	Y	
			Over Demand, Reactive Power, Predicted	13543	---	1	INT16U	R	0 – 9999	0	Y	
			Over Demand, Apparent Power, Present	13544	---	1	INT16U	R	0 – 9999	0	Y	
			Over Demand, Apparent Power, Last	13545	---	1	INT16U	R	0 – 9999	0	Y	
			Over Demand, Apparent Power, Predicted	13546	---	1	INT16U	R	0 – 9999	0	Y	
			Over Frequency	13547	---	1	INT16U	R	0 – 9999	0	Y	
			Under Frequency	13548	---	1	INT16U	R	0 – 9999	0	Y	
			Over Voltage Unbalance	13549	---	1	INT16U	R	0 – 9999	0	Y	
			Over Voltage Total Harmonic Distortion	13550	---	1	INT16U	R	0 – 9999	0	Y	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Phase Loss	13551	---	1	INT16U	R	0 – 9999	0	Y	
		Unary Alarms		13623	---		---	---	---	---	---	
			Meter Powerup (Control Power Loss)	13623	---	1	INT16U	R	0 – 9999	0	Y	
			Meter Reset	13624	---	1	INT16U	R	0 – 9999	0	Y	
			Meter Diagnostic	13625	---	1	INT16U	R	0 – 9999	0	Y	
			Phase Reversal	13626	---	1	INT16U	R	0 – 9999	0	Y	
		Digital Alarms		13633	---		---	---	---	---	---	
			Digital Alarm DI1	13633	---	1	INT16U	R	0 – 9999	0	Y	
			Digital Alarm DI2	13634	---	1	INT16U	R	0 – 9999	0	Y	
			Digital Alarm DI3	13635	---	1	INT16U	R	0 – 9999	0	Y	
			Digital Alarm DI4	13636	---	1	INT16U	R	0 – 9999	0	Y	
	1-Second Alarms - Standard			14000	---		---	---	---	---	---	
		Over Current, Phase		14000	---		---	---	---	---	---	
			Attributes	14000	---	2	INT32U	RWC		0x10848B80	Y	See Alarm Attributes for details.
			Source Register A	14002	---	1	INT16U	R		R_IA_50_60_CYC_RMS	N	
			Source Register B	14003	---	1	INT16U	R		R_IB_50_60_CYC_RMS	N	
			Source Register C	14004	---	1	INT16U	R		R_IC_50_60_CYC_RMS	N	
			Pickup Setpoint	14005	A	2	FLOAT32	RWC	See User Notes	0	Y	The maximum pickup setpoint allowed is the maximum current that can be reported under the present configuration of CT ratio.
			Pickup Time Delay	14007	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14009	A	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	14011	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14013	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Under Current, Phase		14020	---		---	---	---	---	---	
			Attributes	14020	---	2	INT32U	RWC		0x11048B80	Y	See Alarm Attributes for details.
			Source Register A	14022	---	1	INT16U	R		R_IA_50_60_CYC_RMS	N	
			Source Register B	14023	---	1	INT16U	R		R_IB_50_60_CYC_RMS	N	
			Source Register C	14024	---	1	INT16U	R		R_IC_50_60_CYC_RMS	N	
			Pickup Setpoint	14025	A	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Dropout Setpoint.
			Pickup Time Delay	14027	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14029	A	2	FLOAT32	RWC	See User Notes	0	Y	The maximum pickup setpoint allowed is the maximum current that can be reported under the present configuration of CT ratio.
			Dropout Time Delay	14031	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14033	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Over Current, Neutral		14040	---		---	---	---	---	---	
			Attributes	14040	---	2	INT32U	RWC		0x10849400	Y	See Alarm Attributes for details.
			Source Register A	14042	---	1	INT16U	R		R_IN_50_60_CYC_RMS	N	
			Source Register B	14043	---	1	INT16U	R		N/A	N	
			Source Register C	14044	---	1	INT16U	R		N/A	N	
			Pickup Setpoint	14045	A	2	FLOAT32	RWC	See User Notes	0	Y	The maximum pickup setpoint allowed is the maximum current that can be reported under the present configuration of CT ratio.
			Pickup Time Delay	14047	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14049	A	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	14051	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14053	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Over Current, Ground		14060	---		---	---	---	---	---	
			Attributes	14060	---	2	INT32U	RWC		0x10849C80	Y	See Alarm Attributes for details.
			Source Register A	14062	---	1	INT16U	R		R_IG_50_60_CYC_RMS	N	
			Source Register B	14063	---	1	INT16U	R		N/A	N	
			Source Register C	14064	---	1	INT16U	R		N/A	N	
			Pickup Setpoint	14065	A	2	FLOAT32	RWC	See User Notes	0	Y	The maximum pickup setpoint allowed is the maximum current that can be reported under the present configuration of CT ratio.
			Pickup Time Delay	14067	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14069	A	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	14071	seconds	2	INT32U	RWC	---	0	Y	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Digital Outputs to Associate – Standard	14073	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Over Voltage, L-L		14080	---		---	---	---	---	---	
			Attributes	14080	---	2	INT32U	RWC		0x1082AB80	Y	See Alarm Attributes for details.
			Source Register A	14082	---	1	INT16U	R		R_VAB_50_60_CYC_RMS	N	
			Source Register B	14083	---	1	INT16U	R		R_VBC_50_60_CYC_RMS	N	
			Source Register C	14084	---	1	INT16U	R		R_VCA_50_60_CYC_RMS	N	
			Pickup Setpoint	14085	V	2	FLOAT32	RWC	See User Notes	0	Y	The maximum pickup setpoint allowed is the maximum voltage that can be reported under the present configuration of VT ratio.
			Pickup Time Delay	14087	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14089	V	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	14091	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14093	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Under Voltage, L-L		14100	---		---	---	---	---	---	
			Attributes	14100	---	2	INT32U	RWC		0x1102AB80	Y	See Alarm Attributes for details.
			Source Register A	14102	---	1	INT16U	R		R_VAB_50_60_CYC_RMS	N	
			Source Register B	14103	---	1	INT16U	R		R_VBC_50_60_CYC_RMS	N	
			Source Register C	14104	---	1	INT16U	R		R_VCA_50_60_CYC_RMS	N	
			Pickup Setpoint	14105	V	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Dropout Setpoint.
			Pickup Time Delay	14107	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14109	V	2	FLOAT32	RWC	See User Notes	0	Y	The maximum dropout setpoint allowed is the maximum voltage that can be reported under the present configuration of VT ratio.
			Dropout Time Delay	14111	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14113	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Over Voltage, L-N		14120	---		---	---	---	---	---	
			Attributes	14120	---	2	INT32U	RWC		0x1082A380	Y	See Alarm Attributes for details.
			Source Register A	14122	---	1	INT16U	R		R_VAN_50_60_CYC_RMS	N	
			Source Register B	14123	---	1	INT16U	R		R_VBN_50_60_CYC_RMS	N	
			Source Register C	14124	---	1	INT16U	R		R_VCN_50_60_CYC_RMS	N	
			Pickup Setpoint	14125	V	2	FLOAT32	RWC	See User Notes	0	Y	The maximum pickup setpoint allowed is the maximum voltage that can be reported under the present configuration of VT ratio.
			Pickup Time Delay	14127	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14129	V	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	14131	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14133	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Under Voltage, L-N		14140	---		---	---	---	---	---	
			Attributes	14140	---	2	INT32U	RWC		0x1102A380	Y	See Alarm Attributes for details.
			Source Register A	14142	---	1	INT16U	R		R_VAN_50_60_CYC_RMS	N	
			Source Register B	14143	---	1	INT16U	R		R_VBN_50_60_CYC_RMS	N	
			Source Register C	14144	---	1	INT16U	R		R_VCN_50_60_CYC_RMS	N	
			Pickup Setpoint	14145	V	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Dropout Setpoint.
			Pickup Time Delay	14147	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14149	V	2	FLOAT32	RWC	See User Notes	0	Y	The maximum dropout setpoint allowed is the maximum voltage that can be reported under the present configuration of VT ratio.
			Dropout Time Delay	14151	seconds	2	INT32U	RWC	---	0	Y	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Digital Outputs to Associate – Standard	14153	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Over Power, Active		14160	---		---	---	---	---	---	
			Attributes	14160	---	2	INT32U	RWC		0x10875580	Y	See Alarm Attributes for details.
			Source Register A	14162	---	1	INT16U	R		R_PTOT_50_60_CYC_RMS	N	
			Source Register B	14163	---	1	INT16U	R		N/A	N	
			Source Register C	14164	---	1	INT16U	R		N/A	N	
			Pickup Setpoint	14165	kW	2	FLOAT32	RWC	See User Notes	0	Y	The maximum pickup setpoint allowed is the maximum power that can be reported under the present configuration of CT and VT ratio.
			Pickup Time Delay	14167	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14169	kW	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	14171	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14173	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Over Power, Reactive		14180	---		---	---	---	---	---	
			Attributes	14180	---	2	INT32U	RWC		0x10895580	Y	See Alarm Attributes for details.
			Source Register A	14182	---	1	INT16U	R		R_QTOT_50_60_CYC_RMS	N	
			Source Register B	14183	---	1	INT16U	R		N/A	N	
			Source Register C	14184	---	1	INT16U	R		N/A	N	
			Pickup Setpoint	14185	kVAR	2	FLOAT32	RWC	See User Notes	0	Y	The maximum pickup setpoint allowed is the maximum power that can be reported under the present configuration of CT and VT ratio.
			Pickup Time Delay	14187	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14189	kVAR	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	14191	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14193	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Over Power, Apparent		14200	---		---	---	---	---	---	
			Attributes	14200	---	2	INT32U	RWC		0x108B5580	Y	See Alarm Attributes for details.
			Source Register A	14202	---	1	INT16U	R		R_STOT_50_60_CYC_RMS	N	
			Source Register B	14203	---	1	INT16U	R		N/A	N	
			Source Register C	14204	---	1	INT16U	R		N/A	N	
			Pickup Setpoint	14205	kVA	2	FLOAT32	RWC	See User Notes	0	Y	The maximum pickup setpoint allowed is the maximum power that can be reported under the present configuration of CT and VT ratio.
			Pickup Time Delay	14207	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14209	kVA	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	14211	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14213	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Leading Power Factor, True		14220	---		---	---	---	---	---	
			Attributes	14220	---	2	INT32U	RWC		0x118EC380	Y	See Alarm Attributes for details.
			Source Register A	14222	---	1	INT16U	R		R_PFA_50_60_CYC_TRUE	N	
			Source Register B	14223	---	1	INT16U	R		R_PFB_50_60_CYC_TRUE	N	
			Source Register C	14224	---	1	INT16U	R		R_PFC_50_60_CYC_TRUE	N	
			Pickup Setpoint	14225	---	2	FLOAT32	RWC		0	Y	
			Pickup Time Delay	14227	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14229	---	2	FLOAT32	RWC		0	Y	
			Dropout Time Delay	14231	seconds	2	INT32U	RWC	---	0	Y	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Digital Outputs to Associate – Standard	14233	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Lagging Power Factor, True		14240	---		---	---	---	---	---	
			Attributes	14240	---	2	INT32U	RWC		0x120EC380	Y	See Alarm Attributes for details.
			Source Register A	14242	---	1	INT16U	R		R_PFA_50_60_CYC_TRUE	N	
			Source Register B	14243	---	1	INT16U	R		R_PFB_50_60_CYC_TRUE	N	
			Source Register C	14244	---	1	INT16U	R		R_PFC_50_60_CYC_TRUE	N	
			Pickup Setpoint	14245	---	2	FLOAT32	RWC		0	Y	
			Pickup Time Delay	14247	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14249	---	2	FLOAT32	RWC		0	Y	
			Dropout Time Delay	14251	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14253	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Leading Power Factor, Displacement		14260	---		---	---	---	---	---	
			Attributes	14260	---	2	INT32U	RWC		0x118ECB80	Y	See Alarm Attributes for details.
			Source Register A	14262	---	1	INT16U	R		R_PFA_50_60_CYC_DISP	N	
			Source Register B	14263	---	1	INT16U	R		R_PFB_50_60_CYC_DISP	N	
			Source Register C	14264	---	1	INT16U	R		R_PFC_50_60_CYC_DISP	N	
			Pickup Setpoint	14265	---	2	FLOAT32	RWC		0	Y	
			Pickup Time Delay	14267	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14269	---	2	FLOAT32	RWC		0	Y	
			Dropout Time Delay	14271	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14273	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Lagging Power Factor, Displacement		14280	---		---	---	---	---	---	
			Attributes	14280	---	2	INT32U	RWC		0x120ECB80	Y	See Alarm Attributes for details.
			Source Register A	14282	---	1	INT16U	R		R_PFA_50_60_CYC_DISP	N	
			Source Register B	14283	---	1	INT16U	R		R_PFB_50_60_CYC_DISP	N	
			Source Register C	14284	---	1	INT16U	R		R_PFC_50_60_CYC_DISP	N	
			Pickup Setpoint	14285	---	2	FLOAT32	RWC		0	Y	
			Pickup Time Delay	14287	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14289	---	2	FLOAT32	RWC		0	Y	
			Dropout Time Delay	14291	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14293	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Over Demand, Active Power, Present		14300	---		---	---	---	---	---	
			Attributes	14300	---	2	INT32U	RWC		0x1086E580	Y	See Alarm Attributes for details.
			Source Register A	14302	---	1	INT16U	R		R_DMD_CH_01_PRES	N	
			Source Register B	14303	---	1	INT16U	R		N/A	N	
			Source Register C	14304	---	1	INT16U	R		N/A	N	
			Pickup Setpoint	14305	kW	2	FLOAT32	RWC	See User Notes	0	Y	The maximum pickup setpoint allowed is the maximum power that can be reported under the present configuration of CT and VT ratio.
			Pickup Time Delay	14307	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14309	kW	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	14311	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14313	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Over Demand, Active Power, Last		14320	---		---	---	---	---	---	
			Attributes	14320	---	2	INT32U	RWC		0x1086D580	Y	See Alarm Attributes for details.
			Source Register A	14322	---	1	INT16U	R		R_DMD_CH_01_LAST	N	
			Source Register B	14323	---	1	INT16U	R		N/A	N	
			Source Register C	14324	---	1	INT16U	R		N/A	N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Pickup Setpoint	14325	kW	2	FLOAT32	RWC	See User Notes	0	Y	The maximum pickup setpoint allowed is the maximum power that can be reported under the present configuration of CT and VT ratio.
			Pickup Time Delay	14327	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14329	kW	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	14331	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14333	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Over Demand, Active Power, Predicted		14340	---		---	---	---	---	---	
			Attributes	14340	---	2	INT32U	RWC		0x1086DD80	Y	See Alarm Attributes for details.
			Source Register A	14342	---	1	INT16U	R		R_DMD_CH_01_PREDICT	N	
			Source Register B	14343	---	1	INT16U	R		N/A	N	
			Source Register C	14344	---	1	INT16U	R		N/A	N	
			Pickup Setpoint	14345	kW	2	FLOAT32	RWC	See User Notes	0	Y	The maximum pickup setpoint allowed is the maximum power that can be reported under the present configuration of CT and VT ratio.
			Pickup Time Delay	14347	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14349	kW	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	14351	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14353	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Over Demand, Reactive Power, Present		14360	---		---	---	---	---	---	
			Attributes	14360	---	2	INT32U	RWC		0x1088E580	Y	See Alarm Attributes for details.
			Source Register A	14362	---	1	INT16U	R		R_DMD_CH_02_PRES	N	
			Source Register B	14363	---	1	INT16U	R		N/A	N	
			Source Register C	14364	---	1	INT16U	R		N/A	N	
			Pickup Setpoint	14365	kVAR	2	FLOAT32	RWC	See User Notes	0	Y	The maximum pickup setpoint allowed is the maximum power that can be reported under the present configuration of CT and VT ratio.
			Pickup Time Delay	14367	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14369	kVAR	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	14371	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14373	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Over Demand, Reactive Power, Last		14380	---		---	---	---	---	---	
			Attributes	14380	---	2	INT32U	RWC		0x1088D580	Y	See Alarm Attributes for details.
			Source Register A	14382	---	1	INT16U	R		R_DMD_CH_02_LAST	N	
			Source Register B	14383	---	1	INT16U	R		N/A	N	
			Source Register C	14384	---	1	INT16U	R		N/A	N	
			Pickup Setpoint	14385	kVAR	2	FLOAT32	RWC	See User Notes	0	Y	The maximum pickup setpoint allowed is the maximum power that can be reported under the present configuration of CT and VT ratio.
			Pickup Time Delay	14387	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14389	kVAR	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	14391	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14393	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Over Demand, Reactive Power, Predicted		14400	---		---	---	---	---	---	
			Attributes	14400	---	2	INT32U	RWC		0x1088DD80	Y	See Alarm Attributes for details.
			Source Register A	14402	---	1	INT16U	R		R_DMD_CH_02_PREDICTE	N	
			Source Register B	14403	---	1	INT16U	R		N/A	N	
			Source Register C	14404	---	1	INT16U	R		N/A	N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Pickup Setpoint	14405	kVAR	2	FLOAT32	RWC	See User Notes	0	Y	The maximum pickup setpoint allowed is the maximum power that can be reported under the present configuration of CT and VT ratio.
			Pickup Time Delay	14407	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14409	kVAR	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	14411	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14413	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Over Demand, Apparent Power, Present		14420	---		---	---	---	---	---	
			Attributes	14420	---	2	INT32U	RWC		0x108AE580	Y	See Alarm Attributes for details.
			Source Register A	14422	---	1	INT16U	R		R_DMD_CH_03_PRES	N	
			Source Register B	14423	---	1	INT16U	R		N/A	N	
			Source Register C	14424	---	1	INT16U	R		N/A	N	
			Pickup Setpoint	14425	kVA	2	FLOAT32	RWC	See User Notes	0	Y	The maximum pickup setpoint allowed is the maximum power that can be reported under the present configuration of CT and VT ratio.
			Pickup Time Delay	14427	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14429	kVA	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	14431	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14433	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Over Demand, Apparent Power, Last		14440	---		---	---	---	---	---	
			Attributes	14440	---	2	INT32U	RWC		0x108AD580	Y	See Alarm Attributes for details.
			Source Register A	14442	---	1	INT16U	R		R_DMD_CH_03_LAST	N	
			Source Register B	14443	---	1	INT16U	R		N/A	N	
			Source Register C	14444	---	1	INT16U	R		N/A	N	
			Pickup Setpoint	14445	kVA	2	FLOAT32	RWC	See User Notes	0	Y	The maximum pickup setpoint allowed is the maximum power that can be reported under the present configuration of CT and VT ratio.
			Pickup Time Delay	14447	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14449	kVA	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	14451	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14453	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Over Demand, Apparent Power, Predicted		14460	---		---	---	---	---	---	
			Attributes	14460	---	2	INT32U	RWC		0x108ADD80	Y	See Alarm Attributes for details.
			Source Register A	14462	---	1	INT16U	R		R_DMD_CH_03_PREDICTE	N	
			Source Register B	14463	---	1	INT16U	R		N/A	N	
			Source Register C	14464	---	1	INT16U	R		N/A	N	
			Pickup Setpoint	14465	kVA	2	FLOAT32	RWC	See User Notes	0	Y	The maximum pickup setpoint allowed is the maximum power that can be reported under the present configuration of CT and VT ratio.
			Pickup Time Delay	14467	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14469	kVA	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	14471	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14473	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Over Frequency		14480	---		---	---	---	---	---	
			Attributes	14480	---	2	INT32U	RWC		0x108C0000	Y	See Alarm Attributes for details.
			Source Register A	14482	---	1	INT16U	R		R_FREQ_50_60_CYC_AVG	N	
			Source Register B	14483	---	1	INT16U	R		N/A	N	
			Source Register C	14484	---	1	INT16U	R		N/A	N	
			Pickup Setpoint	14485	Hz	2	FLOAT32	RWC		0	Y	
			Pickup Time Delay	14487	seconds	2	INT32U	RWC	---	0	Y	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Dropout Setpoint	14489	Hz	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	14491	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14493	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Under Frequency		14500	---		---	---	---	---	---	
			Attributes	14500	---	2	INT32U	RWC		0x110C0000	Y	See Alarm Attributes for details.
			Source Register A	14502	---	1	INT16U	R		R_FREQ_50_60_CYC_AVG	N	
			Source Register B	14503	---	1	INT16U	R		N/A	N	
			Source Register C	14504	---	1	INT16U	R		N/A	N	
			Pickup Setpoint	14505	Hz	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Dropout Setpoint.
			Pickup Time Delay	14507	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14509	Hz	2	FLOAT32	RWC		0	Y	
			Dropout Time Delay	14511	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14513	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Over Voltage Unbalance		14520	---		---	---	---	---	---	
			Attributes	14520	---	2	INT32U	RWC		0x1082BB80	Y	See Alarm Attributes for details.
			Source Register A	14522	---	1	INT16U	R		R_VAB_50_60_CYC_UNB	N	
			Source Register B	14523	---	1	INT16U	R		R_VBC_50_60_CYC_UNB	N	
			Source Register C	14524	---	1	INT16U	R		R_VCA_50_60_CYC_UNB	N	
			Pickup Setpoint	14525	%	2	FLOAT32	RWC		0	Y	
			Pickup Time Delay	14527	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14529	%	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	14531	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14533	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Over Voltage Total Harmonic Distortion		14540	---		---	---	---	---	---	
			Attributes	14540	---	2	INT32U	RWC		0x1082B000	Y	See Alarm Attributes for details.
			Source Register A	14542	---	1	INT16U	R		R_VAB_50_60_CYC_THD	N	
			Source Register B	14543	---	1	INT16U	R		R_VBC_50_60_CYC_THD	N	
			Source Register C	14544	---	1	INT16U	R		R_VCA_50_60_CYC_THD	N	
			Pickup Setpoint	14545	%	2	FLOAT32	RWC		0	Y	
			Pickup Time Delay	14547	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14549	%	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	14551	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14553	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Phase Loss		14560	---		---	---	---	---	---	
			Attributes	14560	---	2	INT32U	RWC		0x12820380	Y	See Alarm Attributes for details.
			Source Register A	14562	---	1	INT16U	R		R_VAB_50_60_CYC_RMS	N	
			Source Register B	14563	---	1	INT16U	R		R_VBC_50_60_CYC_RMS	N	
			Source Register C	14564	---	1	INT16U	R		R_VCA_50_60_CYC_RMS	N	
			Pickup Setpoint	14565	V	2	FLOAT32	RWC		0	Y	Must be < Dropout Setpoint.
			Pickup Time Delay	14567	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	14569	V	2	FLOAT32	RWC	See User Notes	0	Y	
			Dropout Time Delay	14571	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	14573	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Meter Power Up (Control Power Loss)		16200	---		---	---	---	---	---	
			Attributes	16200	---	2	INT32U	RWC	---	0x84000019	Y	See Alarm Attributes for details.

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Digital Outputs to Associate – Standard	16202	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Meter Reset		16210	---		---	---	---	---	---	
			Attributes	16210	---	2	INT32U	RWC	---	0x84800019	Y	See Alarm Attributes for details.
			Digital Outputs to Associate – Standard	16212	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Meter Diagnostic		16220	---		---	---	---	---	---	
			Attributes	16220	---	2	INT32U	RWC	---	0x851A0000	Y	See Alarm Attributes for details.
			Digital Outputs to Associate – Standard	16222	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Phase Reversal		16230	---		---	---	---	---	---	
			Attributes	16230	---	2	INT32U	RWC	---	0x83000000	Y	See Alarm Attributes for details.
			Digital Outputs to Associate – Standard	16232	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
	Digital Alarms			16300	---		---	---	---	---	---	
		Digital Alarm DI1		16300	---		---	---	---	---	---	
			Attributes	16300	---	2	INT32U	RWC	---	0x95900800	Y	See Alarm Attributes for details.
			Pickup Time Delay	16302	seconds	2	INT32U	RWC	---	---	Y	
			Dropout Time Delay	16304	seconds	2	INT32U	RWC	---	---	Y	
			Digital Outputs to Associate – Standard	16306	---	1	BITMAP	RWC	---	---	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Digital Alarm DI2		16314	---		---	---	---	---	---	
			Attributes	16314	---	2	INT32U	RWC	---	0x95901000	Y	See Alarm Attributes for details.
			Pickup Time Delay	16316	seconds	2	INT32U	RWC	---	---	Y	
			Dropout Time Delay	16318	seconds	2	INT32U	RWC	---	---	Y	
			Digital Outputs to Associate – Standard	16320	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Digital Alarm DI3		16328	---		---	---	---	---	---	
			Attributes	16328	---	2	INT32U	RWC	---	0x95901800	Y	See Alarm Attributes for details.
			Pickup Time Delay	16330	seconds	2	INT32U	RWC	---	---	Y	
			Dropout Time Delay	16332	seconds	2	INT32U	RWC	---	---	Y	
			Digital Outputs to Associate – Standard	16334	---	1	BITMAP	RWC		0	Y	Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Digital Alarm DI4		16342	---		---	---	---	---	---	
			Attributes	16342	---	2	INT32U	RWC	---	0x95902000	Y	See Alarm Attributes for details.
			Pickup Time Delay	16344	seconds	2	INT32U	RWC	---	---	Y	
			Dropout Time Delay	16346	seconds	2	INT32U	RWC	---	---	Y	
			Digital Outputs to Associate – Standard	16348	---	1	BITMAP	RWC		0	Y	Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
Diagnostics				20000	---		---	---	---	---	---	
	Self-Test Results			20000	---		---	---	---	---	---	
		Miscellaneous Self-Test		20003	---		---	---	---	---	---	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Meter Self-Test	20003	---	5	BITMAP	R		0x0000 0000 0000 0000 000	N	0 = OK, 1 = Error Detected Bit 01 = Summary (on if any other bit is on - Maintenance Icon shown on HMI) Bit 02 = RAM Failure Bit 03 = NVRAM Failure Bit 04 = RTC Failure Bit 05 = Calibration Failure Bit 06 = Clipping Detected Bit 07 = Over-Running Energy Pulse Output Bit 08-16 Not Used
Meter Data (Advanced)				21000	---		---	---	---	---	---	
		Frequency	Frequency 1 Cycle	21016	Hz	2	FLOAT32	R	42 – 70		N	
	Power Quality			21300	---		---	---	---	---	---	
		Total Harmonic Distortion, Current		21300	---		---	---	---	---	---	
			THD Current A	21300	%	2	FLOAT32	R	0 – 100	---	N	THD = (RMS of harmonics / RMS of fundamental) * 100
			THD Current B	21302	%	2	FLOAT32	R	0 – 100	---	N	
			THD Current C	21304	%	2	FLOAT32	R	0 – 100	---	N	
			THD Current N	21306	%	2	FLOAT32	R	0 – 100	---	N	
			THD Current G	21308	%	2	FLOAT32	R	0 – 100	---	N	
			thd Current A	21310	%	2	FLOAT32	R	0 – 100	---	N	thd = (RMS of harmonics / total RMS) * 100
			thd Current B	21312	%	2	FLOAT32	R	0 – 100	---	N	
			thd Current C	21314	%	2	FLOAT32	R	0 – 100	---	N	
			thd Current N	21316	%	2	FLOAT32	R	0 – 100	---	N	
			thd Current G	21318	%	2	FLOAT32	R	0 – 100	---	N	
		Total Demar	Total Demand Distortion	21320	%	2	FLOAT32	R	0 – 100	---	N	
		Total Harmonic Distortion, Voltage		21322	---		---	---	---	---	---	
			THD Voltage A-B	21322	%	2	FLOAT32	R	0 – 100	---	N	
			THD Voltage B-C	21324	%	2	FLOAT32	R	0 – 100	---	N	
			THD Voltage C-A	21326	%	2	FLOAT32	R	0 – 100	---	N	
			THD Voltage L-L	21328	%	2	FLOAT32	R	0 – 100	---	N	
			THD Voltage A-N	21330	%	2	FLOAT32	R	0 – 100	---	N	
			THD Voltage B-N	21332	%	2	FLOAT32	R	0 – 100	---	N	
			THD Voltage C-N	21334	%	2	FLOAT32	R	0 – 100	---	N	
			THD Voltage L-N	21338	%	2	FLOAT32	R	0 – 100	---	N	
			thd Voltage A-B	21340	%	2	FLOAT32	R	0 – 100	---	N	
			thd Voltage B-C	21342	%	2	FLOAT32	R	0 – 100	---	N	
			thd Voltage C-A	21344	%	2	FLOAT32	R	0 – 100	---	N	
			thd Voltage L-L	21346	%	2	FLOAT32	R	0 – 100	---	N	
			thd Voltage A-N	21348	%	2	FLOAT32	R	0 – 100	---	N	
			thd Voltage B-N	21350	%	2	FLOAT32	R	0 – 100	---	N	
			thd Voltage C-N	21352	%	2	FLOAT32	R	0 – 100	---	N	
			thd Voltage L-N	21356	%	2	FLOAT32	R	0 – 100	---	N	
	Minimum Values			27214	---		---	---	---	---	---	
			Min/Max Reset Datetime	27214	---	4	DATETIME	R	---	N/A	Y	
		Current		27218	---		---	---	---	---	---	
			Min Current A	27218	A	2	FLOAT32	R			Y	
			Min Current B	27220	A	2	FLOAT32	R			Y	
			Min Current C	27222	A	2	FLOAT32	R			Y	
			Min Current N	27224	A	2	FLOAT32	R			Y	
			Min Current G	27226	A	2	FLOAT32	R			Y	
			Min Current Avg	27228	A	2	FLOAT32	R			Y	
		Current Unbalance		27230	---		---	---	---	---	---	
			Min Current Unbalance A	27230	%	2	FLOAT32	R			Y	
			Min Current Unbalance B	27232	%	2	FLOAT32	R			Y	
			Min Current Unbalance C	27234	%	2	FLOAT32	R			Y	
			Min Current Unbalance Worst	27236	%	2	FLOAT32	R			Y	
		Voltage		27238	---		---	---	---	---	---	
			Min Voltage A-B	27238	V	2	FLOAT32	R			Y	
			Min Voltage B-C	27240	V	2	FLOAT32	R			Y	
			Min Voltage C-A	27242	V	2	FLOAT32	R			Y	
			Min Voltage L-L Avg	27244	V	2	FLOAT32	R			Y	
			Min Voltage A-N	27246	V	2	FLOAT32	R			Y	
			Min Voltage B-N	27248	V	2	FLOAT32	R			Y	
			Min Voltage C-N	27250	V	2	FLOAT32	R			Y	
			Min Voltage L-N Avg	27254	V	2	FLOAT32	R			Y	
		Voltage Unbalance		27256	---		---	---	---	---	---	
			Min Voltage Unbalance A-B	27256	%	2	FLOAT32	R			Y	
			Min Voltage Unbalance B-C	27258	%	2	FLOAT32	R			Y	
			Min Voltage Unbalance C-A	27260	%	2	FLOAT32	R			Y	
			Min Voltage Unbalance L-L Worst	27262	%	2	FLOAT32	R			Y	
			Min Voltage Unbalance A-N	27264	%	2	FLOAT32	R			Y	
			Min Voltage Unbalance B-N	27266	%	2	FLOAT32	R			Y	
			Min Voltage Unbalance C-N	27268	%	2	FLOAT32	R			Y	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Min Voltage Unbalance L-N Worst	27270	%	2	FLOAT32	R			Y	
		Power		27272	---		---	---	---	---	---	
			Min Active Power A	27272	kW	2	FLOAT32	R			Y	
			Min Active Power B	27274	kW	2	FLOAT32	R			Y	
			Min Active Power C	27276	kW	2	FLOAT32	R			Y	
			Min Active Power Total	27278	kW	2	FLOAT32	R			Y	
			Min Reactive Power A	27280	kVAR	2	FLOAT32	R			Y	
			Min Reactive Power B	27282	kVAR	2	FLOAT32	R			Y	
			Min Reactive Power C	27284	kVAR	2	FLOAT32	R			Y	
			Min Reactive Power Total	27286	kVAR	2	FLOAT32	R			Y	
			Min Apparent Power A	27288	kVA	2	FLOAT32	R			Y	
			Min Apparent Power B	27290	kVA	2	FLOAT32	R			Y	
			Min Apparent Power C	27292	kVA	2	FLOAT32	R			Y	
			Min Apparent Power Total	27294	kVA	2	FLOAT32	R			Y	
		Power Factor		27306	---		---	---	---	---	---	
			Min Power Factor A	27306	---	2	4Q FP PF	R	+/- 0.0 – 2.0		Y	
			Min Power Factor B	27308	---	2	4Q FP PF	R	+/- 0.0 – 2.0		Y	
			Min Power Factor C	27310	---	2	4Q FP PF	R	+/- 0.0 – 2.0		Y	
			Min Power Factor Total	27312	---	2	4Q FP PF	R	+/- 0.0 – 2.0		Y	
			Min Displacement Power Factor A	27314	---	2	4Q FP PF	R	+/- 0.0 – 2.0		Y	
			Min Displacement Power Factor B	27316	---	2	4Q FP PF	R	+/- 0.0 – 2.0		Y	
			Min Displacement Power Factor C	27318	---	2	4Q FP PF	R	+/- 0.0 – 2.0		Y	
			Min Displacement PF Total	27320	---	2	4Q FP PF	R	+/- 0.0 – 2.0		Y	
		Total Harmonic Distortion, Current		27338	---		---	---	---	---	---	
			Min THD Current A	27338	%	2	FLOAT32	R	0 – 100		Y	THD = (RMS of harmonics / RMS of fundamental) * 100
			Min THD Current B	27340	%	2	FLOAT32	R	0 – 100		Y	
			Min THD Current C	27342	%	2	FLOAT32	R	0 – 100		Y	
			Min THD Current N	27344	%	2	FLOAT32	R	0 – 100		Y	
			Min THD Current G	27346	%	2	FLOAT32	R	0 – 100		Y	
			Min thd Current A	27348	%	2	FLOAT32	R	0 – 100		Y	thd = (RMS of harmonics / total RMS) * 100
			Min thd Current B	27350	%	2	FLOAT32	R	0 – 100		Y	
			Min thd Current C	27352	%	2	FLOAT32	R	0 – 100		Y	
			Min thd Current N	27354	%	2	FLOAT32	R	0 – 100		Y	
			Min thd Current G	27356	%	2	FLOAT32	R	0 – 100		Y	
		Total Demar	Min Total Demand Distortion	27358	%	2	FLOAT32	R	0 – 100	---	Y	
		Total Harmonic Distortion, Voltage		27360	---		---	---	---	---	---	
			Min THD Voltage A-B	27360	%	2	FLOAT32	R	0 – 100		Y	
			Min THD Voltage B-C	27362	%	2	FLOAT32	R	0 – 100		Y	
			Min THD Voltage C-A	27364	%	2	FLOAT32	R	0 – 100		Y	
			Min THD Voltage L-L Avg	27366	%	2	FLOAT32	R	0 – 100		Y	
			Min THD Voltage A-N	27368	%	2	FLOAT32	R	0 – 100		Y	
			Min THD Voltage B-N	27370	%	2	FLOAT32	R	0 – 100		Y	
			Min THD Voltage C-N	27372	%	2	FLOAT32	R	0 – 100		Y	
			Min THD Voltage L-N Avg	27376	%	2	FLOAT32	R	0 – 100		Y	
			Min thd Voltage A-B	27378	%	2	FLOAT32	R	0 – 100		Y	
			Min thd Voltage B-C	27380	%	2	FLOAT32	R	0 – 100		Y	
			Min thd Voltage C-A	27382	%	2	FLOAT32	R	0 – 100		Y	
			Min thd Voltage L-L Avg	27384	%	2	FLOAT32	R	0 – 100		Y	
			Min thd Voltage A-N	27386	%	2	FLOAT32	R	0 – 100		Y	
			Min thd Voltage B-N	27388	%	2	FLOAT32	R	0 – 100		Y	
			Min thd Voltage C-N	27390	%	2	FLOAT32	R	0 – 100		Y	
			Min thd Voltage L-N Avg	27394	%	2	FLOAT32	R	0 – 100		Y	
		Frequency	Min Frequency	27616	Hz	2	FLOAT32	R	42 – 70		Y	
	Maximum Values			27694	---		---	---	---	---	---	
		Current		27694	---		---	---	---	---	---	
			Max Current A	27694	A	2	FLOAT32	R			Y	
			Max Current B	27696	A	2	FLOAT32	R			Y	
			Max Current C	27698	A	2	FLOAT32	R			Y	
			Max Current N	27700	A	2	FLOAT32	R			Y	
			Max Current G	27702	A	2	FLOAT32	R			Y	
			Max Current Avg	27704	A	2	FLOAT32	R			Y	
		Current Unbalance		27706	---		---	---	---	---	---	
			Max Current Unbalance A	27706	%	2	FLOAT32	R			Y	
			Max Current Unbalance B	27708	%	2	FLOAT32	R			Y	
			Max Current Unbalance C	27710	%	2	FLOAT32	R			Y	
			Max Current Unbalance Worst	27712	%	2	FLOAT32	R			Y	
		Voltage		27714	---		---	---	---	---	---	
			Max Voltage A-B	27714	V	2	FLOAT32	R			Y	
			Max Voltage B-C	27716	V	2	FLOAT32	R			Y	
			Max Voltage C-A	27718	V	2	FLOAT32	R			Y	
			Max Voltage L-L Avg	27720	V	2	FLOAT32	R			Y	
			Max Voltage A-N	27722	V	2	FLOAT32	R			Y	
			Max Voltage B-N	27724	V	2	FLOAT32	R			Y	
			Max Voltage C-N	27726	V	2	FLOAT32	R			Y	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Max Voltage L-N Avg	27730	V	2	FLOAT32	R			Y	
		Voltage Unbalance		27732	---		---	---	---	---	---	
			Max Voltage Unbalance A-B	27732	%	2	FLOAT32	R			Y	
			Max Voltage Unbalance B-C	27734	%	2	FLOAT32	R			Y	
			Max Voltage Unbalance C-A	27736	%	2	FLOAT32	R			Y	
			Max Voltage Unbalance L-L Worst	27738	%	2	FLOAT32	R			Y	
			Max Voltage Unbalance A-N	27740	%	2	FLOAT32	R			Y	
			Max Voltage Unbalance B-N	27742	%	2	FLOAT32	R			Y	
			Max Voltage Unbalance C-N	27744	%	2	FLOAT32	R			Y	
			Max Voltage Unbalance L-N Worst	27746	%	2	FLOAT32	R			Y	
		Power		27748	---		---	---	---	---	---	
			Max Active Power A	27748	kW	2	FLOAT32	R			Y	
			Max Active Power B	27750	kW	2	FLOAT32	R			Y	
			Max Active Power C	27752	kW	2	FLOAT32	R			Y	
			Max Active Power Total	27754	kW	2	FLOAT32	R			Y	
			Max Reactive Power A	27756	kVAR	2	FLOAT32	R			Y	
			Max Reactive Power B	27758	kVAR	2	FLOAT32	R			Y	
			Max Reactive Power C	27760	kVAR	2	FLOAT32	R			Y	
			Max Reactive Power Total	27762	kVAR	2	FLOAT32	R			Y	
			Max Apparent Power A	27764	kVA	2	FLOAT32	R			Y	
			Max Apparent Power B	27766	kVA	2	FLOAT32	R			Y	
			Max Apparent Power C	27768	kVA	2	FLOAT32	R			Y	
			Max Apparent Power Total	27770	kVA	2	FLOAT32	R			Y	
		Power Factor		27782	---		---	---	---	---	---	
			Max Power Factor A	27782	---	2	4Q FP PF	R	+/- 0.0 – 2.0		Y	
			Max Power Factor B	27784	---	2	4Q FP PF	R	+/- 0.0 – 2.0		Y	
			Max Power Factor C	27786	---	2	4Q FP PF	R	+/- 0.0 – 2.0		Y	
			Max Power Factor Total	27788	---	2	4Q FP PF	R	+/- 0.0 – 2.0		Y	
			Max Displacement Power Factor A	27790	---	2	4Q FP PF	R	+/- 0.0 – 2.0		Y	
			Max Displacement Power Factor B	27792	---	2	4Q FP PF	R	+/- 0.0 – 2.0		Y	
			Max Displacement Power Factor C	27794	---	2	4Q FP PF	R	+/- 0.0 – 2.0		Y	
			Max Displacement PF Total	27796	---	2	4Q FP PF	R	+/- 0.0 – 2.0		Y	
		Total Harmonic Distortion, Current		27814	---		---	---	---	---	---	
			Max THD Current A	27814	%	2	FLOAT32	R	0 – 100	0	Y	THD = (RMS of harmonics / RMS of fundamental) * 100
			Max THD Current B	27816	%	2	FLOAT32	R	0 – 100	0	Y	
			Max THD Current C	27818	%	2	FLOAT32	R	0 – 100	0	Y	
			Max THD Current N	27820	%	2	FLOAT32	R	0 – 100	0	Y	
			Max THD Current G	27822	%	2	FLOAT32	R	0 – 100	0	Y	
			Max thd Current A	27824	%	2	FLOAT32	R	0 – 100	0	Y	thd = (RMS of harmonics / total RMS) * 100
			Max thd Current B	27826	%	2	FLOAT32	R	0 – 100	0	Y	
			Max thd Current C	27828	%	2	FLOAT32	R	0 – 100	0	Y	
			Max thd Current N	27830	%	2	FLOAT32	R	0 – 100	0	Y	
			Max thd Current G	27832	%	2	FLOAT32	R	0 – 100	0	Y	
		Total Demar	Max Total Demand Distortion	27834	%	2	FLOAT32	R	0 – 100	---	Y	
		Total Harmonic Distortion, Voltage		27836	---		---	---	---	---	---	
			Max THD Voltage A-B	27836	%	2	FLOAT32	R	0 – 100	0	Y	
			Max THD Voltage B-C	27838	%	2	FLOAT32	R	0 – 100	0	Y	
			Max THD Voltage C-A	27840	%	2	FLOAT32	R	0 – 100	0	Y	
			Max THD Voltage L-L	27842	%	2	FLOAT32	R	0 – 100	0	Y	
			Max THD Voltage A-N	27844	%	2	FLOAT32	R	0 – 100	0	Y	
			Max THD Voltage B-N	27846	%	2	FLOAT32	R	0 – 100	0	Y	
			Max THD Voltage C-N	27848	%	2	FLOAT32	R	0 – 100	0	Y	
			Max THD Voltage L-N	27852	%	2	FLOAT32	R	0 – 100	0	Y	
			Max thd Voltage A-B	27854	%	2	FLOAT32	R	0 – 100	0	Y	
			Max thd Voltage B-C	27856	%	2	FLOAT32	R	0 – 100	0	Y	
			Max thd Voltage C-A	27858	%	2	FLOAT32	R	0 – 100	0	Y	
			Max thd Voltage L-L	27860	%	2	FLOAT32	R	0 – 100	0	Y	
			Max thd Voltage A-N	27862	%	2	FLOAT32	R	0 – 100	0	Y	
			Max thd Voltage B-N	27864	%	2	FLOAT32	R	0 – 100	0	Y	
			Max thd Voltage C-N	27866	%	2	FLOAT32	R	0 – 100	0	Y	
			Max thd Voltage L-N	27870	%	2	FLOAT32	R	0 – 100	0	Y	
		Frequency	Max Frequency	28092	Hz	2	FLOAT32	R	42 – 70		Y	
Multicircuit Alarms				34000	---		---	---	---	---	---	
	Alarm Status			34000	---		---	---	---	---	---	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Mutl-Level	34000	---	1	BITMAP	R		0	N	0 = Deactivated; 1 = Activated Bit 0 = Circuit 1 current alarm Bit 1 = Circuit 2 current alarm Bit 2 = Circuit 3 current alarm Bit 3 = Circuit 1, Over Demand, Active Power, Present Alarm Bit 4 = Circuit 2, Over Demand, Active Power, Present Alarm Bit 5 = Circuit 3, Over Demand, Active Power, Present Alarm Bit 6 = Circuit 1, Over Power, Active Alarm Bit 7 = Circuit 2, Over Power, Active Alarm Bit 8 = Circuit 3, Over Power, Active Alarm Bit 9 - Bit 15 Unused
		Enabled Alarm Bitmaps		34001	---		---	---	---	---	---	
			Multi-Level	34001	---	1	BITMAP	R		0	N	0 = Disabled; 1 = Enabled Bit 0 = Circuit 1 current alarm Bit 1 = Circuit 2 current alarm Bit 2 = Circuit 3 current alarm Bit 3 = Circuit 1, Over Demand, Active Power, Present Alarm Bit 4 = Circuit 2, Over Demand, Active Power, Present Alarm Bit 5 = Circuit 3, Over Demand, Active Power, Present Alarm Bit 6 = Circuit 1, Over Power, Active Alarm Bit 7 = Circuit 2, Over Power, Active Alarm Bit 8 = Circuit 3, Over Power, Active Alarm Bit 9 - Bit 15 Unused
		Detected Alarm Bitmaps		34002	---		---	---	---	---	---	
			Multi-Level	34002	---	1	BITMAP	R		0	N	0 = Not Detected; 1 = Detected Bit 0 = Circuit 1 current alarm Bit 1 = Circuit 2 current alarm Bit 2 = Circuit 3 current alarm Bit 3 = Circuit 1, Over Demand, Active Power, Present Alarm Bit 4 = Circuit 2, Over Demand, Active Power, Present Alarm Bit 5 = Circuit 3, Over Demand, Active Power, Present Alarm Bit 6 = Circuit 1, Over Power, Active Alarm Bit 7 = Circuit 2, Over Power, Active Alarm Bit 8 = Circuit 3, Over Power, Active Alarm Bit 9 - Bit 15 Unused
		Detected Alarm Detail Information Bitmaps		34003	---		---	---	---	---	---	
			Mutli-Level	34003	---	1	BITMAP	R		0	N	Bit 0 - Bit 3 Alarm State for Phase 1 current alarm Bit 4 - Bit 7 Alarm State for Phase 2 current alarm Bit 8 - Bit 11 Alarm State for Phase 3 current alarm Bit 12 - Bit 16 reserved The 4 bits are used to represent values of the alarm state 0 = Normal 1 = Low Low 2 = Low 3 = High 4 = High High 5 = Tripped
	Alarm Counters			34004	---		---	---	---	---	---	
			Multilevel Current, Phase 1	34004	---	1	INT16U	R	0 – 9999	0	Y	
			Multilevel Current, Phase 2	34005	---	1	INT16U	R	0 – 9999	0	Y	
			Multilevel Current, Phase 3	34006	---	1	INT16U	R	0 – 9999	0	Y	
			Over Demand, Phase 1	34007	---	1	INT16U	R	0 – 9999	0	Y	
			Over Demand, Phase 2	34008	---	1	INT16U	R	0 – 9999	0	Y	
			Over Demand, Phase 3	34009	---	1	INT16U	R	0 – 9999	0	Y	
			Over Active Power, Phase 1	34010	---	1	INT16U	R	0 – 9999	0	Y	
			Over Active Power, Phase 2	34011	---	1	INT16U	R	0 – 9999	0	Y	
			Over Active Power, Phase 3	34012	---	1	INT16U	R	0 – 9999	0	Y	
	Multilevel Current Thresholds			34100	---		---	---	---	---	---	
		Circuit 1 current alarm		34100	---		---	---	---	---	---	
			Attributes	34100	---	2	INT32U	RWC		0x10848B80	Y	See Alarm Attributes for details. Note: Priority can not be high because client software does not have abaility to acknowledge alarms which is implied by high priority
			Element ID / Source Register	34102	---	1	INT16U	R		R_IA_50_60_CYC_RMS	N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Hi-hi Pickup Setpoint	34103	% of breaker rating	2	FLOAT32	RWC	See User Notes	70	Y	The maximum pickup setpoint allowed is the maximum current that can be reported under the present configuration of breaker rating.
			Hi-hi Dropout Setpoint	34105	% of breaker rating	2	FLOAT32	RWC	See User Notes	65	Y	Hi Pickup < Hi Hi Dropout < Hi Pickup
			Hi Pickup Setpoint	34107	% of breaker rating	2	FLOAT32	RWC	See User Notes	60	Y	Hi Dropout < Hi pickup < Hi Hi dropout
			Hi Dropout Setpoint	34109	% of breaker rating	2	FLOAT32	RWC	See User Notes	55	Y	Lo Dropout < Hi Dropout < Hi Pickup.
			Low Pickup Setpoint	34111	% of breaker rating	2	FLOAT32	RWC	See User Notes	8	Y	Lo Lo Dropout < Lo Pickup < Lo Dropout
			Low Dropout Setpoint	34113	% of breaker rating	2	FLOAT32	RWC	See User Notes	10	Y	Lo Pickup < Lo Dropout < Hi Dropout
			Low-low Pickup Setpoint	34115	% of breaker rating	2	FLOAT32	RWC	See User Notes	3	Y	0.0 < Lo Lo Pickup < Lo Lo Dropout
			Low-low Dropout Setpoint	34117	% of breaker rating	2	FLOAT32	RWC	See User Notes	5	Y	Lo Lo Pickup < Lo Lo Dropout < Lo Pickup
			Pickup/Dropour Time Delay	34119	seconds	2	INT32U	RWC	---	0	Y	
			Breaker rating	34121	A	1	INT32U	RWC		0	Y	Maximum current rating of circuit breaker connected to this phase
			Digital input for TRIP	34122	---	1	INT16U	RWC		0	Y	Digital input to associate with this alarm for trip indicator. For PM5xxx series, the maximum value is 4. (There are 4 digital inputs.) If no digital input is assigned then trip is disabled
			Digital Outputs to Associate – Standard	34123	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Circuit 2 current alarm		34130	---		---	---	---	---	---	
			Attributes	34130	---	2	INT32U	RWC		0x10848B80	Y	See Alarm Attributes for details. Note: Priority can not be high because client software does not have abaility to acknowledge alarms which is implied by high priority
			Element ID / Source Register	34132	---	1	INT16U	R		R_IB_50_60_CYC_RMS	N	
			Hi-hi Pickup Setpoint	34133	% of breaker rating	2	FLOAT32	RWC	See User Notes	70	Y	The maximum pickup setpoint allowed is the maximum current that can be reported under the present configuration of breaker rating.
			Hi-hi Dropout Setpoint	34135	% of breaker rating	2	FLOAT32	RWC	See User Notes	65	Y	Must be < Pickup Setpoint.
			Hi Pickup Setpoint	34137	% of breaker rating	2	FLOAT32	RWC	See User Notes	60	Y	The maximum pickup setpoint allowed is the maximum current that can be reported under the present configuration of breaker rating.
			Hi Dropout Setpoint	34139	% of breaker rating	2	FLOAT32	RWC	See User Notes	55	Y	Must be > Pickup Setpoint.
			Low Pickup Setpoint	34141	% of breaker rating	2	FLOAT32	RWC	See User Notes	8	Y	The maximum pickup setpoint allowed is the maximum current that can be reported under the present configuration of breaker rating.
			Low Dropout Setpoint	34143	% of breaker rating	2	FLOAT32	RWC	See User Notes	10	Y	Must be > Pickup Setpoint.
			Low-low Pickup Setpoint	34145	% of breaker rating	2	FLOAT32	RWC	See User Notes	3	Y	The maximum pickup setpoint allowed is the maximum current that can be reported under the present configuration of breaker rating.
			Low-low Dropout Setpoint	34147	% of breaker rating	2	FLOAT32	RWC	See User Notes	5	Y	Must be > Pickup Setpoint.
			Pickup/Dropour Time Delay	34149	seconds	2	INT32U	RWC	---	0	Y	
			Breaker rating	34151	A	1	INT32U	RWC		0	Y	Maximum current rating of circuit breaker connected to this phase
			Digital input for TRIP	34152	---	1	INT16U	RWC		0	Y	Digital input to associate with this alarm for trip indicator. For PM5xxx series, the maximum value is 4. (There are 4 digital inputs.) If no digital input is assigned then trip is disabled
			Digital Outputs to Associate – Standard	34153	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Circuit 3 current alarm		34160	---		---	---	---	---	---	
			Attributes	34160	---	2	INT32U	RWC		0x10848B80	Y	See Alarm Attributes for details. Note: Priority can not be high because client software does not have abaility to acknowledge alarms which is implied by high priority
			Element ID / Source Register	34162	---	1	INT16U	R		R_IC_50_60_CYC_RMS	N	
			Hi-hi Pickup Setpoint	34163	% of breaker rating	2	FLOAT32	RWC	See User Notes	70	Y	The maximum pickup setpoint allowed is the maximum current that can be reported under the present configuration of breaker rating.
			Hi-hi Dropout Setpoint	34165	% of breaker rating	2	FLOAT32	RWC	See User Notes	65	Y	Must be < Pickup Setpoint.
			Hi Pickup Setpoint	34167	% of breaker rating	2	FLOAT32	RWC	See User Notes	60	Y	The maximum pickup setpoint allowed is the maximum current that can be reported under the present configuration of breaker rating.
			Hi Dropout Setpoint	34169	% of breaker rating	2	FLOAT32	RWC	See User Notes	55	Y	Must be > Pickup Setpoint.

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Low Pickup Setpoint	34171	% of breaker rating	2	FLOAT32	RWC	See User Notes	8	Y	The maximum pickup setpoint allowed is the maximum current that can be reported under the present configuration of breaker rating.
			Low Dropout Setpoint	34173	% of breaker rating	2	FLOAT32	RWC	See User Notes	10	Y	Must be > Pickup Setpoint.
			Low-low Pickup Setpoint	34175	% of breaker rating	2	FLOAT32	RWC	See User Notes	3	Y	The maximum pickup setpoint allowed is the maximum current that can be reported under the present configuration of breaker rating.
			Low-low Dropout Setpoint	34177	% of breaker rating	2	FLOAT32	RWC	See User Notes	5	Y	Must be > Pickup Setpoint.
			PickupDropout Time Delay	34179	seconds	2	INT32U	RWC	---	0	Y	
			Breaker rating	34181	A	1	INT32U	RWC		0	Y	Maximum current rating of circuit breaker connected to this phase
			Digital input for TRIP	34182	---	1	INT16U	RWC		0	Y	Digital input to associate with this alarm for trip indicator. For PM5xxx series, the maximum value is 4. (There are 4 digital inputs.) If no digital input is assigned then trip is disabled
			Digital Outputs to Associate – Standard	34183	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
	Power Demand per Phase Alarm			34190	---		---	---	---	---	---	
		Circuit 1, Over Demand, Active Power, Present		34190	---		---	---	---	---	---	
			Attributes	34190	---	2	INT32U	RWC		0x1086E580	Y	See Alarm Attributes for details.
			Pickup Setpoint	34192	kW	2	FLOAT32	RWC	See User Notes	0	Y	The maximum pickup setpoint allowed is the maximum power that can be reported under the present configuration of CT and VT ratio.
			Pickup Time Delay	34194	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	34196	kW	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	34198	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	34200	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Circuit 2, Over Demand, Active Power, Present		34207	---		---	---	---	---	---	
			Attributes	34207	---	2	INT32U	RWC		0x1086E580	Y	See Alarm Attributes for details.
			Pickup Setpoint	34209	kW	2	FLOAT32	RWC	See User Notes	0	Y	The maximum pickup setpoint allowed is the maximum power that can be reported under the present configuration of CT and VT ratio.
			Pickup Time Delay	34211	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	34213	kW	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	34215	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	34217	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Circuit 3, Over Demand, Active Power, Present		34224	---		---	---	---	---	---	
			Attributes	34224	---	2	INT32U	RWC		0x1086E580	Y	See Alarm Attributes for details.
			Pickup Setpoint	34226	kW	2	FLOAT32	RWC	See User Notes	0	Y	The maximum pickup setpoint allowed is the maximum power that can be reported under the present configuration of CT and VT ratio.
			Pickup Time Delay	34228	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	34230	kW	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	34232	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	34234	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Circuit 1, Over Power, Active		34241	---		---	---	---	---	---	
			Attributes	34241	---	2	INT32U	RWC		0x10875580	Y	See Alarm Attributes for details.
			Pickup Setpoint	34243	kW	2	FLOAT32	RWC	See User Notes	0	Y	The maximum pickup setpoint allowed is the maximum power that can be reported under the present configuration of CT and VT ratio.

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Pickup Time Delay	34245	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	34247	kW	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	34249	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	34251	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Circuit 2, Over Power, Active		34258	---		---	---	---	---	---	
			Attributes	34258	---	2	INT32U	RWC		0x10875580	Y	See Alarm Attributes for details.
			Pickup Setpoint	34260	kW	2	FLOAT32	RWC	See User Notes	0	Y	The maximum pickup setpoint allowed is the maximum power that can be reported under the present configuration of CT and VT ratio.
			Pickup Time Delay	34262	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	34264	kW	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	34266	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	34268	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
		Circuit 3, Over Power, Active		34275	---		---	---	---	---	---	
			Attributes	34275	---	2	INT32U	RWC		0x10875580	Y	See Alarm Attributes for details.
			Pickup Setpoint	34277	kW	2	FLOAT32	RWC	See User Notes	0	Y	The maximum pickup setpoint allowed is the maximum power that can be reported under the present configuration of CT and VT ratio.
			Pickup Time Delay	34279	seconds	2	INT32U	RWC	---	0	Y	
			Dropout Setpoint	34281	kW	2	FLOAT32	RWC	See User Notes	0	Y	Must be < Pickup Setpoint.
			Dropout Time Delay	34283	seconds	2	INT32U	RWC	---	0	Y	
			Digital Outputs to Associate – Standard	34285	---	1	BITMAP	RWC		0	Y	Bitmap of digital outputs to associate with this alarm. Bitmap is right-justified with the least significant bit associated with digital output ID of 1. For PM5xxx series, the maximum value is 0x0003. (There are 2 digital outputs.)
Application Specific Registers				50000	---		---	---	---	---	---	
		Meter Data (Quick-Read) For Struxtware Central Software		50000	---		---	---	---	---	---	
			Current A	50000	A	2	FLOAT32	R			N	
			Current B	50002	A	2	FLOAT32	R			N	
			Current C	50004	A	2	FLOAT32	R			N	
			Current N	50006	A	2	FLOAT32	R			N	Reportable only in systems where there is a N current and when all wired phase currents are metered
			Current Avg	50008	A	2	FLOAT32	R			N	
			Current Unbalance A	50010	%	2	FLOAT32	R			N	
			Current Unbalance B	50012	%	2	FLOAT32	R			N	
			Current Unbalance C	50014	%	2	FLOAT32	R			N	
			Voltage A-B	50016	V	2	FLOAT32	R			N	
			Voltage B-C	50018	V	2	FLOAT32	R			N	
			Voltage C-A	50020	V	2	FLOAT32	R			N	
			Voltage A-N	50022	V	2	FLOAT32	R			N	Reportable only in systems where Van is connected
			Voltage B-N	50024	V	2	FLOAT32	R			N	Reportable only in systems where Vbn is connected
			Voltage C-N	50026	V	2	FLOAT32	R			N	Reportable only in systems where Vcn is connected
			Voltage L-L Avg	50028	V	2	FLOAT32	R			N	
			Voltage L-N Avg	50030	V	2	FLOAT32	R			N	Reportable only in systems where a L-N voltage is applied
			Active Power A	50032	kW	2	FLOAT32	R			N	
			Active Power B	50034	kW	2	FLOAT32	R			N	
			Active Power C	50036	kW	2	FLOAT32	R			N	
			Active Power Total	50038	kW	2	FLOAT32	R			N	
			Reactive Power A	50040	kVAR	2	FLOAT32	R			N	
			Reactive Power B	50042	kVAR	2	FLOAT32	R			N	
			Reactive Power C	50044	kVAR	2	FLOAT32	R			N	
			Reactive Power Total	50046	kVAR	2	FLOAT32	R			N	
			Power Factor A	50048	---	2	4Q FP PF	R	+/- 0.0 – 2.0		N	
			Power Factor B	50050	---	2	4Q FP PF	R	+/- 0.0 – 2.0		N	
			Power Factor C	50052	---	2	4Q FP PF	R	+/- 0.0 – 2.0		N	
			Power Factor Total	50054	---	2	4Q FP PF	R	+/- 0.0 – 2.0		N	
			Active Energy Delivered Phase A	50056	Wh	4	INT64	R		0	N	
			Active Energy Delivered Phase B	50060	Wh	4	INT64	R		0	N	
			Active Energy Delivered Phase C	50064	Wh	4	INT64	R		0	N	
			Active Energy Delivered (Into Load)	50068	Wh	4	INT64	R		0	N	

Category			Description	Register	Units	Size (INT16)	Data Type	Access	Range	Default	NV	User Notes
			Reactive Energy Delivered Phase A	50072	VARh	4	INT64	R		0	N	
			Reactive Energy Delivered Phase B	50076	VARh	4	INT64	R		0	N	
			Reactive Energy Delivered Phase C	50080	VARh	4	INT64	R		0	N	
			Reactive Energy Delivered	50084	VARh	4	INT64	R		0	N	
			Active Power Dmd Phase A	50088	---	2	FLOAT32	R			N	
			Active Power Dmd Phase B	50090	---	2	FLOAT32	R			N	
			Active Power Dmd Phase C	50092	---	2	FLOAT32	R			N	
			Active Power Dmd Total	50094	---	2	FLOAT32	R			N	Active Power Total
			Alarm flags phase A/AB	50096	---	1	Bitmap	R			N	Value is the same as given in Detected Alarm Detail Information Bitmaps Shifted right as needed to right justfy bits Bit 8 is reserved for Kilo-watt demand threshold alarm for cicruit 1
			Alarm flags phase B/BC	50097	---	1	Bitmap	R			N	Value is the same as given in Detected Alarm Detail Information Bitmaps Shifted right as needed to right justfy bits Bit 8 is reserved for Kilo-watt demand threshold alarm for cicruit 2
			Alarm flags phase C/CA	50098	---	1	Bitmap	R			N	Value is the same as given in Detected Alarm Detail Information Bitmaps Shifted right as needed to right justfy bits Bit 8 is reserved for Kilo-watt demand threshold alarm for cicruit 3

Subsystem	Command Name	Command Number	Command Tag	Parameters	User Notes	Prohibited When Revenue Security Active	Allowed for Unprotected Command Interface
	Reset Subsystem(s) to Default	1	C_RESET_SUBSYS_TO_DEFAULT	(1) Command Semaphore (2) 1 or -1 (For All Subsystems) (3) Subsystem ID or -1 (For All Subsystems)	Subsystem IDs 0 = Register Access 1 = System 2 = Metering 3 = Commands 4 = HMI 5 = Communications 6 = IO 7 = Alarms 8 = Files 9 = Diagnostics 10 = Security	Y	
SYSTEM (1000-1999)							
	Warm Start Reset	1000	C_WARM_START_RESET	(1) Command Semaphore	This command does not provide a command status or result.	Y	
	Reset Power Fail Counter	1002	C_RESET_POWER_FAIL_COUNT	(1) Command Semaphore		Y	Y
	Set Date/Time	1003	C_SET_DT	(1) Command Semaphore (2) Year (2000-2127) (3) Month (4) Day of Month (5) Hour (6) Minute (7) Second (8) Millisecond			Y
	Disable Revenue Security Switch	1004	C_DISABLE_REV_SEC_SWITCH	(1) Command Semaphore			
	Enable Revenue Security Switch	1005	C_ENABLE_REV_SEC_SWITCH	(1) Command Semaphore			
	Meter Name Setup	1008	C_METER_NAME_SETUP	(1) Command Semaphore (2-21) Meter Name			
METERING (2000-2999)							
	Demand System Setup	2002	C_DMD_SETUP	(1) Command Semaphore (2) Demand System ID (3) Demand Method (4) Demand Interval Duration (5) Demand Subinterval Duration	Demand System ID 1 = Power 2 = Current 3 = Input Metering	Y	
	Energy Pulse Output Setup	2003	C_ENERGY_PULSE_OUTPUT_SETUP	(1) Command Semaphore (2) Energy Channel (3) Digital Output ID (4-5) Pulse Weight (6) Energy Channel (7) Digital Output ID (8-9) Pulse Weight (10) Energy Channel (11) Digital Output ID (12-13) Pulse Weight	Digital Output ID 1 = Digital Output S01 2 = Digital Output S02 99 = Energy LED	Y	
	Reset Cycle Count	2007	C_RESET_CYCLE_COUNT	(1) Command Semaphore			Y
	Reset All Min/Max	2009	C_RESET_ALL_MIN_MAX	(1) Command Semaphore			Y
	Reset Active Load Timer	2010	C_RESET_ACTIVE_LOAD_TIMER	(1) Command Semaphore			Y
	Reset All Demands	2011	C_RESET_ALL_DMDS	(1) Command Semaphore (2-5) Demand Reset Password	The Demand Reset Password is verified if Revenue Security is active.	See User Note	Y
	Reset Current Demand	2012	C_RESET_CUR_DMD	(1) Command Semaphore		Y	Y
	Reset Power Demand	2013	C_RESET_POWER_DMD	(1) Command Semaphore (2-5) Demand Reset Password	The Demand Reset Password is verified if Revenue Security is active.	See User Note	Y
	Reset All Peak Demands	2015	C_RESET_ALL_PEAK_DMDS	(1) Command Semaphore (2-5) Demand Reset Password	The Demand Reset Password is verified if Revenue Security is active.	See User Note	Y
	Reset Current Peak Demands	2016	C_RESET_CUR_PEAK_DMDS	(1) Command Semaphore		Y	Y
	Reset Power Peak Demands	2017	C_RESET_POWER_PEAK_DMDS	(1) Command Semaphore (2-5) Demand Reset Password	The Demand Reset Password is verified if Revenue Security is active.	See User Note	Y
	Start New Demand Interval	2019	C_START_NEW_DMD_INTERVAL	(1) Command Semaphore (2) Bitmap of Demand Systems		Y	Y
	Reset All Energies	2020	C_RESET_ALL_ENERGIES	(1) Command Semaphore		Y	Y
	Reset All Accumulated Energies	2021	C_RESET_ALL_ACC_ENG	(1) Command Semaphore		Y	Y
	Reset All Energy Pulse Output Channels	2024	C_RESET_ALL_ENG_PULSE_OUTPUT	(1) Command Semaphore		Y	Y

Subsystem	Command Name	Command Number	Command Tag	Parameters	User Notes	Prohibited When Revenue Security Active	Allowed for Unprotected Command Interface
	Meter Initialization	2037	C_METER_INIT	(1) Command Semaphore	Resets Energy, Demand, Demand peaks, Min/Max, Alarm counters, Alarm logs, Alarm event queue, IO Counters, IO Timers, Active Load Timer, Comm diagnostics, power fail counter, cycle counter Data logs (Scout only), and Waveform capture Files (Scout only).	Y	
	Energy / Alarm LED Enable	2039	C_ENERGY_LED_ENABLE	(1) Command Semaphore (2) 0 = Disable / 1 = Energy / 2 = Alarm			
	TDD Setup	2043	C_TDD_SETUP	(1) Command Semaphore (2-3) Peak Current Demand Over Last Year			
	Active Load Timer Setup	2044	C_ACTIVE_LOAD_TIMER_SETUP	(1) Command Semaphore (2-3) Active Load Timer Setpoint			
COMMANDS (3000-3999) **HMI (4000-4999)**							
	HMI Setup	4000	C_HMI_SETUP	(1) Command Semaphore (2) HMI Contrast Setting (3) HMI Backlight On/Off (4) HMI Language (5) HMI IEC/IEEE Mode (6) HMI Date Format (7) HMI Time Format (8) HMI Backlight Timeout (9) HMI Screen Timeout (10) HMI Energy Resolution (11) HMI Current Resolution (12) HMI Voltage Resulution (13) HMI Power Resolution			
COMMUNICATIONS (5000-5999)							
	Communications Setup	5000	C_COMMS_SETUP	(1) Command Semaphore (2) Communications Port ID (3) RS-485 Comm Port (M/S) Protocol (4) RS-485 Comm Port (M/S) Address (5) RS-485 Comm Port (M/S) Baud Rate (6) RS-485 Comm Port (M/S) Parity (7) RS-485 Comm Port (M/S) Modbus ASCII Default Timeout	Communications Port ID 1 = Standard RS-485		Y
	Reset Comm Port Counters	5001	C_RESET_COMM_CHANNEL_COUNT	(1) Command Semphore (2) Communications Port ID	Communications Port ID 1 = Standard RS-485		Y
IO (6000-6999)							
	Digital Output Setup	6000	C_DO_SETUP	(1) Command Semaphore (2) Digital Output ID (3-22) Label (23) Behavioral Mode (24) On Time For Timed Mode	Digital Output ID 1 = Digital Output S01 2 = Digital Output S02		
	Digital Input Setup	6001	C_DI_SETUP	(1) Command Semaphore (2) Digital Input ID (3-22) Label (23) Debounce Time	Digital Input ID 1 = Digital Input S01 2 = Digital Input S02 3 = Digital Input S03 4 = Digital Input S04		
	De-energize Digital Output	6002	C_DE_ENERGIZE_DO	(1) Command Semaphore (2) Digital Output ID	Digital Output ID 1 = Digital Output S01 2 = Digital Output S02		Y
	Energize Digital Output	6003	C_ENERGIZE_DO	(1) Command Semaphore (2) Digital Output ID	Digital Output ID 1 = Digital Output S01 2 = Digital Output S02		Y
	Release Digital Output From Coil Hold	6004	C_RELEASE_DO_FROM_COIL_HOLD	(1) Command Semaphore (2) 1 or -1 (For All Digital Outputs) (3) Digital Output ID or -1 (For All Digital Outputs)	Digital Output ID 1 = Digital Output S01 2 = Digital Output S02		Y
	Release Digital Output From Override Control	6005	C_RELEASE_DO_FROM_OVERRIDE	(1) Command Semaphore (2) 1 or -1 (For All Digital Outputs) (3) Digital Output ID or -1 (For All Digital Outputs)	Digital Output ID 1 = Digital Output S01 2 = Digital Output S02		
	Place Digital Output In Override Control	6006	C_PLACE_DO_IN_OVERRIDE	(1) Command Semaphore (2) 1 or -1 (For All Digital Outputs) (3) Digital Output ID or -1 (For All Digital Outputs)	Digital Output ID 1 = Digital Output S01 2 = Digital Output S02		
	Reset Operation Counter for Digital Output	6007	C_RESET_COUNT_FOR_DO	(1) Command Semaphore (2) 1 or -1 (For All Digital Outputs) (3) Digital Output ID or -1 (For All Digital Outputs)	Digital Output ID 1 = Digital Output S01 2 = Digital Output S02		Y
	Reset On-Time for Digital Output	6008	C_RESET_ON_TIME_FOR_DO	(1) Command Semaphore (2) 1 or -1 (For All Digital Outputs) (3) Digital Output ID or -1 (For All Digital Outputs)	Digital Output ID 1 = Digital Output S01 2 = Digital Output S02		Y
	Reset Operation Counter for Digital Input	6009	C_RESET_COUNT_FOR_DI	(1) Command Semaphore (2) 1 or -1 (For All Digital Inputs) (3) Digital Input ID or -1 (For All Digital Inputs)	Digital Input ID 1 = Digital Input S01 2 = Digital Input S02 3 = Digital Input S03 4 = Digital Input S04		Y

Subsystem	Command Name	Command Number	Command Tag	Parameters			User Notes	Prohibited When Revenue Security Active	Allowed for Unprotected Command Interface
	Reset On-Time for Digital Input	6010	C_RESET_ON_TIME_FOR_DI	(1) Command Semaphore (2) 1 or -1 (For All Digital Inputs) (3) Digital Input ID or -1 (For All Digital Inputs)			Digital Input ID 1 = Digital Input S01 2 = Digital Input S02 3 = Digital Input S03 4 = Digital Input S04		Y
	Setup Digital Input to Demand Associations	6011	C_DI_SETUP_DEMAND	(1) Command Semaphore (2) Digital Input ID for Demand System 1 (3) Digital Input ID for Demand System 2 (4) Digital Input ID for Demand System 3 (5) Digital Input ID for Demand System 4 (6) Digital Input ID for Demand System 5 (7) Digital Input ID for Demand System 6					
	Setup Digital Output to Demand Associations	6012	C_DO_SETUP_DEMAND	(1) Command Semaphore (2) Digital Output ID for Demand System 1 (3) Digital Output ID for Demand System 2 (4) Digital Output ID for Demand System 3 (5) Digital Output ID for Demand System 4 (6) Digital Output ID for Demand System 5 (7) Digital Output ID for Demand System 6					
	De-energize Digital Output While in Override	6015	C_DE_ENERGIZE_DO_OVERRIDE	(1) Command Semaphore (2) Digital Output ID			Digital Output ID 1 = Digital Output S01 2 = Digital Output S02		
	Energize Digital Output While in Override	6016	C_ENERGIZE_DO_OVERRIDE	(1) Command Semaphore (2) Digital Output ID			Digital Output ID 1 = Digital Output S01 2 = Digital Output S02		
ALARMS (7000-7999)									
	Over/Under Alarm Setup	7000	C_OVR_UND_ALM_SETUP	(1) Command Semaphore (2) Alarm ID (3) Priority (0=None, 1=High, 2=Medium, 3=Low) (4) Setpoints (0 = Fixed, 1 = Variable) (5) Learning (0 = Not Learning, 1 = Learning) (6) Enable (0 = Disabled, 1 = Enabled) (7-8) Pickup Setpoint (9-10) Pickup Time Delay (11-12) Dropout Setpoint (13-14) Dropout Time Delay (15) Digital Outputs to Associate - Standard	(16-19) Digital Outputs to Associate - Options (Scout Only) (20) Datalogs to Trigger (Scout Only) (21) Waveform Capture to Trigger (Scout Only)		Alarm ID 1 = Over Current, Phase 2 = Under Current, Phase 3 = Over Current, Neutral 4 = Over Current, Ground 5 = Over Voltage, L-L 6 = Under Voltage, L-L 7 = Over Voltage, L-N 8 = Under Voltage, L-N 9 = Over Power, Active 10 = Over Power, Reactive 11 = Over Power, Apparent 12 = Leading Power Factor, True 13 = Lagging Power Factor, True 14 = Leading Power Factor, Displacement 15 = Lagging Power Factor, Displacement 16 = Over Demand, Active Power, Present 17 = Over Demand, Active Power, Last 18 = Over Demand, Active Power, Predicted 19 = Over Demand, Reactive Power, Present 20 = Over Demand, Reactive Power, Last 21 = Over Demand, Reactive		
	Reset Alarm Counters	7002	C_RESET_ALM_COUNT	(1) Command Semaphore (2) 1 or -1 (For All Alarm Counters) (3) Alarm Counter ID or -1 (For All Alarm Counters)			Alarm ID 1-29 1-Second Standard 41-50 1-Second Custom 101-104 Unary 111-114 Digital		
	Acknowledge Alarms	7003	C_ACK_ALMS	(1) Command Semaphore (2) 1 or -1 (For All Alarms) (3) Alarm ID or -1 (For All Alarms)					Y
	Disable Alarms	7004	C_DISABLE_ALMS	(1) Command Semaphore (2) 1 or -1 (For All Alarms) (3) Alarm ID or -1 (For All Alarms)					
	Reset Aggregated Alarm History	7005	C_RESET_REG_BASED_ALM_LOG	(1) Command Semaphore					Y
	Reset Event Queue	7006	C_RESET_EVENT_QUEUE	(1) Command Semaphore					Y
	Digital Alarm Setup	7007	C_DIGITAL_ALARM_SETUP	(1) Command Semaphore (2) Alarm ID (3) Priority (0=None, 1=High, 2=Medium, 3=Low) (4) Enable (0 = Disabled, 1 = Enabled) (5) Subtype (0 = Off, 1 = On) (6-7) Pickup Time Delay (8-9) Dropout Time Delay (10) Digital Outputs to Associate - Standard	(11-14) Digital Outputs to Associate - Options (Scout Only) (15) Datalogs to Trigger (Scout Only) (16) Waveform Capture to Trigger (Scout Only)		Alarm ID 111 = Digital Input S01 112 = Digital Input S02 113 = Digital Input S03 114 = Digital Input S04		
	Unary Alarm Setup	7008	C_UNARY_ALARM_SETUP	(1) Command Semaphore (2) Alarm ID (3) Priority (0=None, 1=High, 2=Medium, 3=Low) (4) Enable (0 = Disabled, 1 = Enabled) (5) Digital Outputs to Associate - Standard	(6-9) Digital Outputs to Associate - Options (Scout Only) (10) Datalogs to Trigger (Scout Only) (11) Waveform Capture to Trigger (Scout Only)		Alarm ID 101 = Meter Power Up (Control Power Loss) 102 = Meter Reset 103 = Meter Diagnostics 104 = Phase Reversal		

Subsystem	Command Name	Command Number	Command Tag	Parameters			User Notes	Prohibited When Revenue Security Active	Allowed for Unprotected Command Interface
	Multi-Level Alarm Setup	7020	C_MULTI_LEVEL_ALARM_SETUP	(1) Command Semaphore (2) Alarm ID (211 - 213) 214 - 220 are reserved (3) Priority (0=None, 2=Medium, 3=Low) Note 1=High is not allowed (4) Setpoints (0 = Fixed, 1 = Variable) (5) Learning (0 = Not Learning, 1 = Learning) (6) Enable (0 = Disabled, 1 = Enabled) (7-8) High High Pickup Setpoint (9-10) High High Dropout Setpoint (11-12) High Pickup Setpoint (13-14) High Dropout Setpoint (15-16) Low Pickup Setpoint (17-18) Low Dropout Setpoint (19-20) Low Low Pickup Setpoint (21-22) Low Low Dropout Setpoint (23-24) Pickup / Dropout Time Delay (25) Breaker rating (26) Digital input to Associate for trip input (27) Digital Outputs to Associate - Standard					
	Per Circuit Over Alarm Setup	7021	C_CIRCUIT_OVR_ALM_SETUP	(1) Command Semaphore (2) Alarm ID (3) Priority (0=None, 1=High, 2=Medium, 3=Low) (4) Setpoints (0 = Fixed, 1 = Variable) (5) Learning (0 = Not Learning, 1 = Learning) (6) Enable (0 = Disabled, 1 = Enabled) (7) Circuit (1,2,3) (8-9) Pickup Setpoint (10-11) Pickup Time Delay (12-13) Dropout Setpoint (14-15) Dropout Time Delay (16) Digital Outputs to Associate - Standard	(16-19) Digital Outputs to Associate - Options (Scout Only) (20) Datalogs to Trigger (Scout Only) (21) Waveform Capture to Trigger (Scout Only)		Alarm ID 9 = Over Power, Active 16 = Over Demand, Active Power, Present		
DIAGNOSTICS (9000-9999)									
	Reset Diagnostic Log	9000	C_RESET_DIA_ERROR_LOG	(1) Command Semaphore					Y

Data Type	Description	Native Range	N/A Value	Notes
UTF8	Alphanumeric	0-3 bytes	0x00	
INT16	Signed Integer, 16 bits	-32,768 - 32,767	0x8000	
INT16U	Unsigned Integer, 16 bits	0 - 65,535	0xFFFF	
INT32	Signed Integer, 32 bits	-2,147,483,648 – 2,147,483,647	0x80000000	
INT32U	Unsigned Integer, 32 bits	0 - 4,294,967,295	0xFFFFFFFF	
INT64	Signed Integer, 64 bits		0x8000000000000000	
FLOAT32	Floating Point, 32 bits	+/- 1*10^38	0xFFC00000	
FLOAT64	Floating Point, 64 bits	+/-1.798*10^308	0xFFF8000000000000	
BITMAP			0x8000 Example for a status bitmap 1 register long.	For status bitmaps that are multiple registers long, the most significant bit will be set to indicate the entire bitmap is N/A.This does not apply to configuration bitmaps. So, in setup commands that include a bitmap as a parameter, the user must always include the desired value for these bitmaps.
DATETIME	DateTime	1/1/2000 – 12/31/2127	0xFFFFFFFFFFFFFFFF	DateTime coding format using 4 words as per IEC 870-5-4 Word 1 b0-b6: Year (0 - 127) b7-b15: Reserved Word 2 b0-b4: Day (1-31) b5-b7: Weekday (1-7, 0 if not used) b8-b11: Month (1-12) b12-b15: Reserved Word 3 b0-b5: Minutes (0-59) b6: Reserved b7: Time synchronization quality, 1 = non valid or non synchronization b8-b12: Hour (0-23) b13-b14: Reserved b15: 0 = Standard time, 1 = Daylight Savings Time Word 4 b0-b15: Millisecond (0 - 59999)
DATE	Date		0xFFFFFFFF	Word 1 b0-b7: Year (0 - 99) b8-b15: Reserved Word 2 b0-b4: Day (1-31) b5-b7: Weekday (1-7, 0 if not used) b8-b11: Month (1-12) b12-b15: Reserved
TIME	Time		0xFFFFFFFF	Word 1 b0-b5: Minutes (0-59) b6: Reserved b7: Time synchronization quality, 1 = non valid or non synchronization b8-b12: Hour (0-23) b13-b14: Reserved b15: 0 = Standard time, 1 = Daylight Savings Time Word 2 b0-b15: Millisecond (0 - 59999)
PORTAL	A portal provides a means to access data of a size up to 125 registers by doing a Modbus block read of a single register. This allows large data sets to be accessed without using a large number of registers. An example might be a data type of PORTAL100 located at register 1000. In order to read the 100 registers, the user would do a block read of 100 registers beginning at register 1000. The data at PORTAL100 could be stored in an internal format and presented to the user by the meter communications firmware as 100 16 bit quantities.			

4Q FP PF	Four Quadrant Floating Point Power Factor	-2 - 2	0xFFC00000	Power factor values are specially encoded floating point values.
				
				Angle of complex power = power factor register value
				0° = 1
				90° = 0
				180° = -1
				270° = 2
				Q1: 0 < x < 1
				Q2: -2 < x < -1
				Q3: -1 < x < 0
				Q4: 1 < x < 2
				
				Pseudo code to decode PF Value
				if (rigVal > 1)
				{
				PF_Val = 2 - regVal;
				PF is leading
				}
				else if (regVal < -1)
				{
				PF_Val = -2-regVal
				PF is leading
				}
				else if (abs(regVal) equals 1)
				{
				PF_Val = regVal
				PF is at unity
				}
				else
				{
				PF_Val = regVal

Alarm Attributes																			
	type		subtype		parameter		modifier		phases		level		priority		setpoints		learning		enable
	Bits 28-31		Bits 23-27		Bits 17-22		Bits 11-16		Bits 07-10		Bits 05-06		Bits 03-04		Bit 02		Bit 01		Bit 00
0	NONE	0	NONE	0	NONE	0	NONE	0	NONE	0	LEVEL0	0	NONE	0	FIXED	0	NOT_LEARNING	0	DISABLED
1	STANDARD1S	1	OVER SIGNED	1	VOLTAGE	1	1	1	A	1	LEVEL1	1	HIGH	1	VARIABLE	1	LEARNING	1	ENABLED
2	CUSTOM1S	2	UNDER SIGNED	2	CURRENT	2	2	2	B	2	LEVEL2	2	MEDIUM						
3	STANDARDHS	3	LEADING	3	ACTIVE_POWER	3	3	3	C	3	LEVEL3	3	LOW						
4	CUSTOMHS	4	LAGGING	4	REACTIVE_POWER	4	4	4	AB										
5	DISTURBANCE	5	PHASELOSS	5	APPARENT_POWER	5	5	5	BC										
6	TRANSIENT	6	PHASEREV	6	FREQUENCY	6	6	6	CA										
7	WAVESHAPE	7	REVPOWER	7	POWER_FACTOR	7	7	7	ABC										
8	UNARY	8	POWERUP	8	STANDARD	8	8	8	N										
9	DIGITAL	9	RESET	9	OPTION_SLOT_A	9	9	9	G										
A	BINARY	A	DIAGNOSTIC	A	OPTION_SLOT_B	A	10	A	NG										
B	TIME_OF_DAY	B	OFF2ON	B	OPTION_SLOT_C	B	11	B	3PHASE_TOTAL										
C	LOGIC	C	ON2OFF	C	OPTION_SLOT_D	C	12	C	NOT_USED										
D		D	SWELL	D	SELF_TEST	D	13	D	NOT_USED										
E		E	SAG	E	HARMONIC	E	14	E	NOT_USED										
F		F	AND	F	INTERHARMONIC	F	15	F	NOT_USED										
		10	NAND	10	K_FACTOR	10	16												
		11	OR	11	FLICKER	11	PHASE												
		12	NOR	12	ENERGY	12	NEUTRAL												
		13	XOR	13	DATETIME	13	GROUND												
		14	NOT	14	TEMPERATURE	14	LN												
		15	OVER ABSOLUTE	15	INPUT_METERING_1	15	LL												
		16	UNDER ABSOLUTE	16	INPUT_METERING_2	16	THD												
		17		17	INPUT_METERING_3	17	UNBALANCE												
		18		18	INPUT_METERING_4	18	TRUE												
		19		19	INPUT_METERING_5	19	DISPLACEMENT												
		1A		1A	INPUT_METERING_6	1A	DEMAND_LAST												
		1B		1B	INPUT_METERING_7	1B	DEMAND_PREDICTED												
		1C		1C	INPUT_METERING_8	1C	DEMAND_PRESENT												
		1D		1D	INPUT_METERING_9	1D	RMS												
		1E		1E	INPUT_METERING_10	1E	FUNDAMENTAL												
		1F	NOT_USED	1F		1F	ANGLE												
				20		20	DEMAND_PEAK												
				21		21	CREST_FACTOR												
				22		22	DISTORTION												
				23		23	INSTANTANEOUS												
				24		24	SHORT_TERM												
				25		25	LONG_TERM												
				26		26	POSITIVE_SEQUENCE												
				27		27	NEGATIVE_SEQUENCE												
				28		28	ZERO_SEQUENCE												
				29		29	TREND												
				2A		2A	3_PHASE												
				2B		2B	ACCUMULATED												
				2C		2C	CONDITIONAL												
				2D		2D	INCREMENTAL												
				2E		2E	TOU_RATE_1												
				2F		2F	TOU_RATE_2												
				30		30	TOU_RATE_3												
				31		31	TOU_RATE_4												
				32		32													
				33		33													
				34		34													
				35		35													
				36		36													
				37		37													
				38		38													
				39		39													
				3A		3A													
				3B		3B													
				3C		3C													
				3D	USER_DEFINED1	3D	USER_DEFINED1												
				3E	USER_DEFINED2	3E	USER_DEFINED2												
				3F	USER_DEFINED3	3F	USER_DEFINED3												

Event Code							
	category		**eventType**		**phases**		**direction**
	Bits 12-15		Bits 08-11		Bits 04-07		Bits 00-03
0		0	NONE	0	NONE	0	DDD_NONE
1		1	UNARY	1	A	1	DDD_UNKNOWN
2		2	PICKUP	2	B	2	DDD_UPSTREAM_LOW
3		3	DROPOUT	3	C	3	DDD_UPSTREAM_MEDIUM
4		4	COMPRESSED_PICKUP	4	AB	4	DDD_UPSTREAM_HIGH
5		5	COMPRESSED_DURATION	5	BC	5	DDD_DOWNSTREAM_LOW
6		6	COMPRESSED_VALUE	6	CA	6	DDD_DOWNSTREAM_MEDIUM
7		7	AGGREGATED_PICKUP	7	ABC	7	DDD_DOWNSTREAM_HIGH
8		8	AGGREGATED_DURATION	8	N	8	
9		9	AGGREGATED_VALUE	9	G	9	
A		A	P1 ACKNOWLEDGED	A	NG	A	
B		B	DIGITAL_OUTPUT_ASSOCIATED	B		B	
C		C	FILES_ASSOCIATED	C		C	
D		D	WFC_ASSOCIATED	D		D	
E		E		E		E	
F	ALARM_EVENT	F		F		F	

Code	Abbreviation	Description
0		No Units
1	%	Percentage
2	°C	Degrees Celsius
3	°F	Degrees Fahrenheit
4	Deg	Degrees Angular
5	Hz	Hertz
6	A	amperes
7	kA	Kilo Amperes
8	V	Volts
9	kV	Kilo Volts
10	MV	Mega Volts
11	W	Watts
12	kW	Kilowatts
13	MW	Megawatts
14	VAR	Volt-Ampere Reactive
15	kVAR	Kilo Volt-Ampere Reactive
16	MVAR	Mega Volt-Ampere Reactive
17	VA	Volt-Amperes
18	kVA	Kilo Volt-Amperes
19	MVA	Mega Volt-Amperes
20	WH	Watt-Hour
21	kWH	Kilowatt-Hour
22	MWH	Megawatt-Hour
23	VARH	Reactive Volt-Ampere Hour
24	kVARH	Reactive Kilo Volt-Ampere Hour
25	MVARH	Reactive Mega Volt-Ampere Hour
26	VAH	Volt-Ampere Hours
27	kVAH	Kilo Volt-Ampere Hours
28	MVAH	Mega Volt-Ampere Hours
29	Seconds	Seconds
30	Minutes	Minutes
31	Hours	Hours
32	Bytes (RAM)	Bytes
33	kBytes (RAM)	Kilobytes
34	$	Dollars
35	gal	gallons
36	gal/hr	gallons/hour
37	gal/min	gallons/minute
38	cfm	cubic feet/min
39	PSI	PSI
40	BTU	BTU
41	L	liters
42	ton-hours	ton-hours
43	l/hr	liters/hour
44	l/min	liters/min
45	€	Euros
46	ms	Milliseconds
47	m^3	cubic-meters
48	m^3/sec	cubic-meters/sec
49	m^3/min	cubic-meters/min
50	m^3/hr	cubic-meters/hour
51	Pa	pascals
52	Bars	bar
53	RPM	Revolutions/min
55	BTU/hr	BTU/hour
56	PSIG	Pounds/square inch gauge
57	SCFM	Standard cubic feet/min
58	MCF	Thousand cubic feet
59	Therm	Therm
60	SCFH	Standard cubic feet/hour
61	PSIA	pounds/square inch absolute
62	lbs	pounds
63	kg	Kilogram
64	klbs	Kilopounds
65	lb/hr	pound/hour
66	ton/hr	ton/hour
67	kg/hr	Kilogram/hour
68	in. Hg	inch of Mercury
69	kPa	kiloPascals
70	%RH	percentage of relative humidity
71	MPH	miles per hour
72	m/sec	meters/sec
73	mV/cal/(cm^2/min)	milliVolts/calorie/(square centimeters/min)
74	in	inches
75	mm	millimeter
76	GWH	GigaWatt-Hour
77	GVARH	Reactive Giga Volt-Ampere Hour
78	GVAH	Giga Volt-Ampere Hours
79	AH	Ampere-Hours
80	kAH	Kiloamp-Hours
81	Therm/hr	Therm/hour

References	
Y	Yes, data item is supported as standard feature
O	Yes, item is supported as an option
P	Data item is supported but is private
R	An R in the Access column means the register may be read.
W	A W in the Access column means the register may be written.
C	A C in the Access column means the register may only be written via a setup command.
ASCII Characters	

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	NUL	SOH	STX	ETX	EOT	ENQ	ACK	BEL	BS	HT	LF	VT	FF	CR	SO	SI
1	DLE	DC1	DC2	DC3	DC4	NAK	SYN	ETB	CAN	EM	SUB	ESC	FS	GS	RS	US
2	SP	!	"	#	$	%	&	'	(	)	*	+	,	-	.	/
3	0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
4	@	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
5	P	Q	R	S	T	U	V	W	X	Y	Z	[	\	]	^	_
6	`	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
7	p	q	r	s	t	u	v	w	x	y	z	{	|	}	~	DEL

Abbreviations	PRODUCTION_HISTORY - PROD_HIST
	APPLIED – APLY
	READING – READ
	SHIFT – SFT
	PRESENT – PRES
	PREVIOUS – PREV
	DURATION – DUR
	NOMINAL – NOM
	PRIMARY – PRI
	SECONDARY – SEC
	WIRECORRECT – SWC
	FIELD_CAL_CT_RATIO_PH_A - FLD_CAL_CT_A
	FIELD_CAL_VT_RATIO_PH_A - FLD_CAL_VT_A
	R_METER_SETUP_ENERGY_OUT_PW01 - R_METER_SETUP_ENERGY_ PW01
	R_METER_SETUP_ENERGY_OUT_DIGOUT_01 - R_METER_SETUP_ENERGY_DO_01
	RS485 – 485
	DIAG – DIA
	DIAGNOSTIC – DIA
	BEHAVIORAL – BEH
	REGISTER – REG
	OVER – OVR
	UNDER – UND
	CURRENT – CUR
	VOLTAGE – VOLT
	LEVEL – LVL
	TYPE – TYP
	ENABLE_PRI – EP
	VOLT_LL – VLL
	VOLT_LN – VLN
	DATALOG – DLG
	LEADING_PF_TRUE – LEDPFT
	LAGGING_PF_TRUE – LAGPGT
	LEADING_PF_DISP – LEDPFD
	LAGGING_PF_DISP – LAGPGD
	DEMAND – DEM
	1S_STD – 1ST
	TYPE_LEVEL – TL
	UNBALANCE – UNB
	ENERGY_ACCUM – ENG_ACC
	ENERGY – ENG
	INTERVAL - INT

Passwords shall be 4 alphanumeric characters long.

Passwords shall always be entered and setup left-to-right.

Characters shall be selected from the following subset of US ASCII printable characters:

Character	Decimal	Description
#	35	NUMBER SIGN
$	36	DOLLAR SIGN

References		
%	37	PERCENT SIGN
&	38	AMPERSAND
*	42	ASTERISK
+	43	PLUS SIGN
-	45	MINUS SIGN
/	47	SLASH
0	48	DIGIT ZERO
1	49	DIGIT ONE
2	50	DIGIT TWO
3	51	DIGIT THREE
4	52	DIGIT FOUR
5	53	DIGIT FIVE
6	54	DIGIT SIX
7	55	DIGIT SEVEN
8	56	DIGIT EIGHT
9	57	DIGIT NINE
?	63	QUESTION MARK
@	64	COMMERCIAL AT SIGN
A	65	CAPITAL LETTER A
B	66	CAPITAL LETTER B
C	67	CAPITAL LETTER C
D	68	CAPITAL LETTER D
E	69	CAPITAL LETTER E
F	70	CAPITAL LETTER F
G	71	CAPITAL LETTER G
H	72	CAPITAL LETTER H
I	73	CAPITAL LETTER I
J	74	CAPITAL LETTER J
K	75	CAPITAL LETTER K
L	76	CAPITAL LETTER L
M	77	CAPITAL LETTER M
N	78	CAPITAL LETTER N
O	79	CAPITAL LETTER O
P	80	CAPITAL LETTER P
Q	81	CAPITAL LETTER Q
R	82	CAPITAL LETTER R
S	83	CAPITAL LETTER S
T	84	CAPITAL LETTER T
U	85	CAPITAL LETTER U
V	86	CAPITAL LETTER V
W	87	CAPITAL LETTER W
X	88	CAPITAL LETTER X
Y	89	CAPITAL LETTER Y
Z	90	CAPITAL LETTER Z
a	97	SMALL LETTER a
b	98	SMALL LETTER b
c	99	SMALL LETTER c
d	100	SMALL LETTER d
e	101	SMALL LETTER e
f	102	SMALL LETTER f
g	103	SMALL LETTER g
h	104	SMALL LETTER h
i	105	SMALL LETTER i
j	106	SMALL LETTER j
k	107	SMALL LETTER k
l	108	SMALL LETTER l
m	109	SMALL LETTER m
n	110	SMALL LETTER n
o	111	SMALL LETTER o
p	112	SMALL LETTER p
q	113	SMALL LETTER q
r	114	SMALL LETTER r
s	115	SMALL LETTER s
t	116	SMALL LETTER t
u	117	SMALL LETTER u
v	118	SMALL LETTER v
w	119	SMALL LETTER w
x	120	SMALL LETTER x
y	121	SMALL LETTER y
z	122	SMALL LETTER z