Bluenet
BN PRO
Modbus TCP v1.1
Protocol

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BN PRO Modbus TCP Register Guide

1 Introduction

This document describes the Modbus TCP interface of the Bluenet BN PRO PDU family and provides the register mapping required for integration into third-party monitoring, DCIM, BMS, SCADA and energy management systems.

1.2 Supported Measurements

- Inlet measurements
- Phase measurements (L1, L2, L3)
- Outlet monitoring
- Miniature Circuit Breakers (MCB)
- Residual Current Monitoring (RCM)
- GPIO interfaces
- External environmental sensors

2 Communication Parameters

Parameter	Value
Protocol	Modbus TCP
Default TCP Port	502
Function Code	03 Read Holding Registers
Register Type	Holding Registers
Word Order	Big Endian
Measurement Data Type	UINT16
Status Data Type	INT16
Firmware Versions	Up to V1.6
Main PDU Slave ID	1
Maximum Link PDUs	19

3 Slave ID Concept

Standalone PDUs use Slave ID 1. Main and Link PDUs use the Slave ID corresponding to their logical position within the cluster.

4 Register Addressing

Decimal	Hexadecimal
18	0x0011
144	0x008F
527	0x020F

5 Data Representation and Scaling

Register Type	Data Type	Range
Measurement Values	UINT16	0...65535
Status Values	INT16	-32768...32767

Important: Measurement registers must be interpreted as UINT16, while status registers must be interpreted as INT16. Otherwise values such as -2 (Connection Lost) may incorrectly appear as 65534.

Measurement	Resolution
Current	0.01 A
Voltage	0.1 V
Frequency	0.1 Hz
Power Factor	0.001
Active Energy	0.1 kWh
Apparent Energy	0.1 kVAh
RCM Current	0.1 mA
Temperature	0.1 °C

6 Energy Register Calculation

Energy = (High Word × 65536 + Low Word) × Scaling Factor

7 Status Codes

7.1 Function Code 03 Status Codes

The following status codes apply to status information provided through Function Code 03 (Read Holding Registers). These codes remain valid independently of the Function Code 04 state tables below.

Value	Meaning
0	On / Operational
1	Off
-1	Offline
-2	Connection Lost
-3	Under Voltage
-4	Over Voltage
-5	MCB Tripped
-9	RCM Defect
-128	Unknown Error

7.2 Function Code 04 State Tables

The following tables define the valid INT16 state values returned by Function Code 04 (Read Input Registers). Use the table referenced by each register entry; values not listed for a specific state type are reserved.

Table 1: Read Input Register (0x04) State Values

Value	Name	Meaning
-1	UndefinedValue	unused address / no reading available yet
0	NoError	Value within thresholds
1	HighAlarm	Above high alarm threshold · phase: over-voltage
2	LowAlarm	Below low alarm threshold · phase, outlet: under-voltage
3	HighWarning	Above high warning threshold
4	LowWarning	Below low warning threshold
5	ConnectionLost	Element stopped responding
6	Offline	Element not available (not started / not present)
7	OnAlarmIdentify	On + alarm + identify
8	OffAlarmIdentify	Off + alarm + identify
9	OnAlarm	On + alarm
10	OffAlarm	Off + alarm
11	OnWarningIdentify	On + warning + identify
12	OffWarningIdentify	Off + warning + identify
13	OnWarning	On + warning
14	OffWarning	Off + warning
15	OnIdentify	On + identify
16	OffIdentify	Off + identify
17	On	On
18	Off	Off
19	ChildAlarm	A child element has an alarm on a measurement
20	ChildWarning	Child elements have warnings on measurements, no alarm

Value	Name	Meaning
21	ChildStatusError	A child element has an error status (offline, connection lost, MCB tripped, defect, under-/over-voltage)
22	High	Input high (DI/DO)
23	Low	Input low (DI/DO)
24	Alarm	Alarm on one of the element's own measurements
25	Warning	Warning on one of the element's own measurements
26	Ok	Element healthy (device, inlet, phase, MCB, RCM)
27	SelfTestInProgress	Self-test running, alarms suspended
28	McbTripped	Circuit breaker tripped
29	SpdDefect	Surge protection device defective
30	RcmDefect	Function test failed (test current too low)

Table 2: Measurement State

Applies to: Current, voltage, power factor, humidity, temperature

Value	Name	Meaning
-1	UndefinedValue	unused address / no reading available yet
0	NoError	Value within thresholds
1	HighAlarm	Above high alarm threshold
2	LowAlarm	Below low alarm threshold
3	HighWarning	Above high warning threshold
4	LowWarning	Below low warning threshold

Table 3: Measurement State High Only

Applies to: Residual current AC / DC (RCM)

Value	Name	Meaning
-1	UndefinedValue	unused address / no reading available yet
0	NoError	Value within thresholds
1	HighAlarm	Above high alarm threshold
3	HighWarning	Above high warning threshold

Table 4: Element State

Applies to: Inlet, phase, external sensor

Value	Name	Meaning
-1	UndefinedValue	unused address / no reading available yet
5	ConnectionLost	Element stopped responding
6	Offline	Element not available (not started / not present)
1	HighAlarm	Phase only: over-voltage (above 110 % of the nominal voltage)
2	LowAlarm	Phase only: under-voltage (voltage missing)
24	Alarm	Alarm on one of the element's own measurements
25	Warning	Warning on one of the element's own measurements
26	Ok	Element healthy

Table 5: MCB State

Applies to: MCB

Value	Name	Meaning
-1	UndefinedValue	unused address / no reading available yet
5	ConnectionLost	Element stopped responding
6	Offline	Element not available (not started / not present)
24	Alarm	Alarm on one of the element's own measurements
25	Warning	Warning on one of the element's own measurements
26	Ok	Element healthy
28	McbTripped	Circuit breaker tripped

Table 6: RCM State

Applies to: RCM

Value	Name	Meaning
-1	UndefinedValue	unused address / no reading available yet
5	ConnectionLost	Element stopped responding
6	Offline	Element not available (not started / not present)
24	Alarm	Alarm on one of the element's own measurements
25	Warning	Warning on one of the element's own measurements
26	Ok	Element healthy
27	SelfTestInProgress	Self-test running, alarms suspended
30	RcmDefect	Function test failed (test current too low)

Table 7: Outlet State

Applies to: Outlet

Value	Name	Meaning
-1	UndefinedValue	unused address / no reading available yet
5	ConnectionLost	Element stopped responding
6	Offline	Element not available (not started / not present)
2	LowAlarm	Outlet board without supply voltage (on/off and identify not shown)
7	OnAlarmIdentify	On + alarm + identify
8	OffAlarmIdentify	Off + alarm + identify
9	OnAlarm	On + alarm
10	OffAlarm	Off + alarm
11	OnWarningIdentify	On + warning + identify
12	OffWarningIdentify	Off + warning + identify
13	OnWarning	On + warning
14	OffWarning	Off + warning
15	OnIdentify	On + identify
16	OffIdentify	Off + identify
17	On	On, healthy
18	Off	Off, healthy

Table 8: GPIO Output State

Applies to: GPIO digital output

Value	Name	Meaning
-1	UndefinedValue	unused address / no reading available yet
5	ConnectionLost	Element stopped responding
6	Offline	Element not available (not started / not present)
17	On	On, healthy
18	Off	Off, healthy

Table 9: GPIO Input State

Applies to: GPIO digital input

Value	Name	Meaning
-1	UndefinedValue	unused address / no reading available yet
5	ConnectionLost	Element stopped responding
6	Offline	Element not available (not started / not present)
22	High	Input high
23	Low	Input low

Table 10: SPD State

Applies to: SPD (surge protection device)

Value	Name	Meaning
-1	UndefinedValue	unused address / no reading available yet
5	ConnectionLost	Element stopped responding
6	Offline	Element not available (not started / not present)
26	Ok	Element healthy
29	SpdDefect	Surge protection device defective (no SPD register in the layout yet)

Table 11: Device State

Applies to: Device (PDU), Input Register address 1

Value	Name	Meaning
-1	UndefinedValue	unused address / no reading available yet
5	ConnectionLost	Device stopped responding
6	Offline	Device not available (not started / not present)
19	ChildAlarm	A child element has an alarm on a measurement
20	ChildWarning	Child elements have warnings on measurements, no alarm
21	ChildStatusError	A child element has an error status (offline, connection lost, MCB tripped, defect, under-/over-voltage)
24	Alarm	Alarm on one of the device's own measurements (wins over the child states)
25	Warning	Warning on one of the device's own measurements (wins over the child states)
26	Ok	Device and all child elements healthy

8 Register Block Structure

Section	Description
Inlet	Total PDU measurements
Phase	L1/L2/L3 measurements
MCB	Circuit breaker status
RCM	Residual current monitoring
Outlet	Outlet-level monitoring
GPIO	Digital inputs and outputs
External Sensors	Temperature and humidity sensors

9 Notes

- All values are read-only via Function Code 03.
- Register addresses are zero-based.
- Use the specified scaling factor before displaying measurement values.
- Energy values spanning multiple registers must be combined before scaling.
- Status values may be negative and should be interpreted as signed integers (INT16).

Function Code 03 Register Table

Holding registers (0x03). Addresses are zero-based; values must be interpreted using the stated data type and resolution.

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Type	Comment / Assignment
16	0x000F	0015	Inlet start address	-		
17	0x0010	0016	Status Inlet State	-	INT16	Device State (Inlet Start Address) Offline(-1); Connection Lost(-2); On(0); Unknown Error (-128)
18	0x0011	0017	Current	0.01 A	UINT16	Inlet level
19	0x0012	0018	Current (Max.)	0.01 A	UINT16	Inlet level
20	0x0013	0019	Active Power	1 W	UINT16	Inlet level
21	0x0014	0020	Active Power (Max.)	1 W	UINT16	Inlet level
22	0x0015	0021	Reactive Power	1 var	UINT16	Inlet level
23	0x0016	0022	Apparent Power	1 VA	UINT16	Inlet level
24	0x0017	0023	Active Energy High Byte	0.1 kWh	UINT16	Inlet level
25	0x0018	0024	Active Energy Low Byte	0.1 kWh	UINT16	Inlet level
26	0x0019	0025	Custom Active Energy High Byte	0.1 kWh	UINT16	Inlet level
27	0x001A	0026	Custom Active Energy Low Byte	0.1 kWh	UINT16	Inlet level
28	0x001B	0027	Reactive Energy High Byte	0.1 kvarh	UINT16	Inlet level
29	0x001C	0028	Reactive Energy Low Byte	0.1 kvarh	UINT16	Inlet level
30	0x001D	0029	Apparent Energy High Byte	0.1 kVAh	UINT16	Inlet level
31	0x001E	0030	Apparent Energy Low Byte	0.1 kVAh	UINT16	Inlet level
32	0x001F	0031	Neutral Current	0.01 A	UINT16	Inlet level
33	0x0020	0032	Neutral Current (Max.)	0.01 A	UINT16	Inlet level
34	0x0021	0033	Frequency	0.1 Hz	UINT16	Inlet level
143	0x008E	0142	Status Phase 1	-	INT16	Phase 1 Status Offline(-1); Connection Lost(-2); On(0); Undervoltage(-3); Overvoltage(-4); Unknown Error (-128)
144	0x008F	0143	Voltage	0.1 V	UINT16	Phase 1 Level
145	0x0090	0144	Current	0.01 A	UINT16	Phase 1 Level
146	0x0091	0145	Current (Max.)	0.01 A	UINT16	Phase 1 Level
147	0x0092	0146	Active Power	1 W	UINT16	Phase 1 Level
148	0x0093	0147	Active Power (Max.)	1 W	UINT16	Phase 1 Level
149	0x0094	0148	Reactive Power	1 var	UINT16	Phase 1 Level
150	0x0095	0149	Apparent Power	1 VA	UINT16	Phase 1 Level
151	0x0096	0150	Active Energy High Byte	0.1 kWh	UINT16	Phase 1 Level
152	0x0097	0151	Active Energy Low Byte	0.1 kWh	UINT16	Phase 1 Level
153	0x0098	0152	Custom Active Energy High Byte	0.1 kWh	UINT16	Phase 1 Level
154	0x0099	0153	Custom Active Energy Low Byte	0.1 kWh	UINT16	Phase 1 Level

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Type	Comment / Assignment
155	0x009A	0154	Reactive Energy High Byte	0.1 kvarh	UINT16	Phase 1 Level
156	0x009B	0155	Reactive Energy Low Byte	0.1 kvarh	UINT16	Phase 1 Level
157	0x009C	0156	Apparent Energy High Byte	0.1 kVAh	UINT16	Phase 1 Level
158	0x009D	0157	Apparent Energy Low Byte	0.1 kVAh	UINT16	Phase 1 Level
160	0x009F	0159	Power Factor	0.001	UINT16	Phase 1 Level
161	0x00A0	0160	Power Factor Suffix	-	INT16	Phase 1 Level; LA (1) = inductive load; LE (-1) = capacitive load
163	0x00A2	0162	Status Phase 2	-	INT16	Phase 2 Status Offline(-1); Connection Lost(-2); On(0); Undervoltage(-3); Overvoltage(-4); Unknown Error (-128)
164	0x00A3	0163	Voltage	0.1 V	UINT16	Phase 2 Level
165	0x00A4	0164	Current	0.01 A	UINT16	Phase 2 Level
166	0x00A5	0165	Current (Max.)	0.01 A	UINT16	Phase 2 Level
167	0x00A6	0166	Active Power	1 W	UINT16	Phase 2 Level
168	0x00A7	0167	Active Power (Max.)	1 W	UINT16	Phase 2 Level
169	0x00A8	0168	Reactive Power	1 var	UINT16	Phase 2 Level
170	0x00A9	0169	Apparent Power	1 VA	UINT16	Phase 2 Level
171	0x00AA	0170	Active Energy High Byte	0.1 kWh	UINT16	Phase 2 Level
172	0x00AB	0171	Active Energy Low Byte	0.1 kWh	UINT16	Phase 2 Level
173	0x00AC	0172	Custom Active Energy High Byte	0.1 kWh	UINT16	Phase 2 Level
174	0x00AD	0173	Custom Active Energy Low Byte	0.1 kWh	UINT16	Phase 2 Level
175	0x00AE	0174	Reactive Energy High Byte	0.1 kvarh	UINT16	Phase 2 Level
176	0x00AF	0175	Reactive Energy Low Byte	0.1 kvarh	UINT16	Phase 2 Level
177	0x00B0	0176	Apparent Energy High Byte	0.1 kVAh	UINT16	Phase 2 Level
178	0x00B1	0177	Apparent Energy Low Byte	0.1 kVAh	UINT16	Phase 2 Level
180	0x00B3	0179	Power Factor	0.001	UINT16	Phase 2 Level
181	0x00B4	0180	Power Factor Suffix	-	INT16	Phase 2 Level; LA (1) = inductive load; LE (-1) = capacitive load
183	0x00B6	0182	Status Phase 3	-	INT16	Phase 3 Status Offline(-1); Connection Lost(-2); On(0); Undervoltage(-3); Overvoltage(-4); Unknown Error (-128)
184	0x00B7	0183	Voltage	0.1 V	UINT16	Phase 3 Level
185	0x00B8	0184	Current	0.01 A	UINT16	Phase 3 Level
186	0x00B9	0185	Current (Max.)	0.01 A	UINT16	Phase 3 Level
187	0x00BA	0186	Active Power	1 W	UINT16	Phase 3 Level
188	0x00BB	0187	Active Power (Max.)	1 W	UINT16	Phase 3 Level
189	0x00BC	0188	Reactive Power	1 var	UINT16	Phase 3 Level
190	0x00BD	0189	Apparent Power	1 VA	UINT16	Phase 3 Level
191	0x00BE	0190	Active Energy High Byte	0.1 kWh	UINT16	Phase 3 Level
192	0x00BF	0191	Active Energy Low Byte	0.1 kWh	UINT16	Phase 3 Level

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Type	Comment / Assignment
193	0x00C0	0192	Custom Active Energy High Byte	0.1 kWh	UINT16	Phase 3 Level
194	0x00C1	0193	Custom Active Energy Low Byte	0.1 kWh	UINT16	Phase 3 Level
195	0x00C2	0194	Reactive Energy High Byte	0.1 kvarh	UINT16	Phase 3 Level
196	0x00C3	0195	Reactive Energy Low Byte	0.1 kvarh	UINT16	Phase 3 Level
197	0x00C4	0196	Apparent Energy High Byte	0.1 kVAh	UINT16	Phase 3 Level
198	0x00C5	0197	Apparent Energy Low Byte	0.1 kVAh	UINT16	Phase 3 Level
200	0x00C7	0199	Power Factor	0.001	UINT16	Phase 3 Level
201	0x00C8	0200	Power Factor Suffix	-	INT16	Phase 3 Level; LA (1) = inductive load; LE (-1) = capacitive load
394	0x0189	0393	MCB start Address			
395	0x018A	0394	Status MCB 1 state		INT16	MCB 1; Tripped(-5); Offline(-1); Connection Lost(-2); On(0); Unknown Error (-128)
396	0x018B	0395	Current	0.01 A	UINT16	MCB 1
399	0x018E	0398	Status MCB 2 state		INT16	MCB 2; Tripped(-5); Offline(-1); Connection Lost(-2); On(0); Unknown Error (-128)
400	0x018F	0399	Current	0.01 A	UINT16	MCB 2
403	0x0192	0402	Status MCB 3 state		INT16	MCB 3; Tripped(-5); Offline(-1); Connection Lost(-2); On(0); Unknown Error (-128)
404	0x0193	0403	Current	0.01 A	UINT16	MCB 3
407	0x0196	0406	Status MCB 4 state		INT16	MCB 4; Tripped(-5); Offline(-1); Connection Lost(-2); On(0); Unknown Error (-128)
408	0x0197	0407	Current	0.01 A	UINT16	MCB 4
411	0x019A	0410	Status MCB 5 state		INT16	MCB 5; Tripped(-5); Offline(-1); Connection Lost(-2); On(0); Unknown Error (-128)
412	0x019B	0411	Current	0.01 A	UINT16	MCB 5
415	0x019E	0414	Status MCB 6 state		INT16	MCB 6; Tripped(-5); Offline(-1); Connection Lost(-2); On(0); Unknown Error (-128)
416	0x019F	0415	Current	0.01 A	UINT16	MCB 6
419	0x01A2	0418	Status MCB 7 state		INT16	MCB 7; Tripped(-5); Offline(-1); Connection Lost(-2); On(0); Unknown Error (-128)
420	0x01A3	0419	Current	0.01 A	UINT16	MCB 7
423	0x01A6	0422	Status MCB 8 state		INT16	MCB 8; Tripped(-5); Offline(-1); Connection Lost(-2); On(0); Unknown Error (-128)
424	0x01A7	0423	Current	0.01 A	UINT16	MCB 8
427	0x01AA	0426	Status MCB 9 state		INT16	MCB 9; Tripped(-5); Offline(-1); Connection Lost(-2); On(0); Unknown Error (-128)
428	0x01AB	0427	Current	0.01 A	UINT16	MCB 9
431	0x01AE	0430	Status MCB 10 state		INT16	MCB 10; Tripped(-5); Offline(-1); Connection Lost(-2); On(0); Unknown Error (-128)
432	0x01AF	0431	Current	0.01 A	UINT16	MCB 10
435	0x01B2	0434	Status MCB 11 state		INT16	MCB 11; Tripped(-5); Offline(-1); Connection Lost(-2); On(0); Unknown Error (-128)
436	0x01B3	0435	Current	0.01 A	UINT16	MCB 11
439	0x01B6	0438	Status MCB 12 state		INT16	MCB 12; Tripped(-5); Offline(-1); Connection Lost(-2); On(0); Unknown Error (-128)
440	0x01B7	0439	Current	0.01 A	UINT16	MCB 12
442	0x01B9	0441	Start address RCM 1			
443	0x01BA	0442	Status RCM 1 state		INT16	RCM 1; RCM defect(-9); Offline(-1); Connection Lost(-2); On(0); Unknown Error (-128)

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Type	Comment / Assignment
444	0x01BB	0443	RCM AC	0.1 mA	UINT16	
445	0x01BC	0444	RCM AC (Max.)	0.1 mA	UINT16	
446	0x01BD	0445	RCM DC	0.1 mA	UINT16	
447	0x01BE	0446	RCM DC (Max.)	0.1 mA	UINT16	
449	0x01C0	0448	Start address RCM 2			
450	0x01C1	0449	Status RCM 2 state		INT16	RCM 2; RCM defect(-9); Offline(-1); Connection Lost(-2); On(0); Unknown Error (-128)
451	0x01C2	0450	RCM AC	0.1 mA	UINT16	
452	0x01C3	0451	RCM AC (Max.)	0.1 mA	UINT16	
453	0x01C4	0452	RCM DC	0.1 mA	UINT16	
454	0x01C5	0453	RCM DC (Max.)	0.1 mA	UINT16	
456	0x01C7	0455	Start address RCM 3			
457	0x01C8	0456	Status RCM 3 state		INT16	RCM 3; RCM defect(-9); Offline(-1); Connection Lost(-2); On(0); Unknown Error (-128)
458	0x01C9	0457	RCM AC	0.1 mA	UINT16	
459	0x01CA	0458	RCM AC (Max.)	0.1 mA	UINT16	
460	0x01CB	0459	RCM DC	0.1 mA	UINT16	
461	0x01CC	0460	RCM DC (Max.)	0.1 mA	UINT16	
463	0x01CE	0462	Start address RCM 4			
464	0x01CF	0463	Status RCM 4 state		INT16	RCM 4; RCM defect(-9); Offline(-1); Connection Lost(-2); On(0); Unknown Error (-128)
465	0x01D0	0464	RCM AC	0.1 mA	UINT16	
466	0x01D1	0465	RCM AC (Max.)	0.1 mA	UINT16	
467	0x01D2	0466	RCM DC	0.1 mA	UINT16	
468	0x01D3	0467	RCM DC (Max.)	0.1 mA	UINT16	
470	0x01D5	0469	Start address RCM 5			
471	0x01D6	0470	Status RCM 5 state		INT16	RCM 5; RCM defect(-9); Offline(-1); Connection Lost(-2); On(0); Unknown Error (-128)
472	0x01D7	0471	RCM AC	0.1 mA	UINT16	
473	0x01D8	0472	RCM AC (Max.)	0.1 mA	UINT16	
474	0x01D9	0473	RCM DC	0.1 mA	UINT16	
475	0x01DA	0474	RCM DC (Max.)	0.1 mA	UINT16	
477	0x01DC	0476	Start address RCM 6			
478	0x01DD	0477	Status RCM 6 state		INT16	RCM 6; RCM defect(-9); Offline(-1); Connection Lost(-2); On(0); Unknown Error (-128)
479	0x01DE	0478	RCM AC	0.1 mA	UINT16	
480	0x01DF	0479	RCM AC (Max.)	0.1 mA	UINT16	
481	0x01E0	0480	RCM DC	0.1 mA	UINT16	

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Type	Comment / Assignment
482	0x01E1	0481	RCM DC (Max.)	0.1 mA	UINT16	
526	0x020D	0525	Start address outlet			Outlet 1
527	0x020E	0526	Status Outlet 1		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
528	0x020F	0527	Current	0.01 A	UINT16	Outlet 1
529	0x0210	0528	Current (Max.)	0.01 A	UINT16	Outlet 1
530	0x0211	0529	Active Power	1 W	UINT16	Outlet 1
531	0x0212	0530	Active Power (Max.)	1 W	UINT16	Outlet 1
532	0x0213	0531	Reactive Power	1 var	UINT16	Outlet 1
533	0x0214	0532	Apparent Power	1 VA	UINT16	Outlet 1
534	0x0215	0533	Active Energy High Byte	0.1 kWh	UINT16	Outlet 1
535	0x0216	0534	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 1
536	0x0217	0535	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 1
537	0x0218	0536	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 1
538	0x0219	0537	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 1
539	0x021A	0538	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 1
540	0x021B	0539	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 1
541	0x021C	0540	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 1
542	0x021D	0541	Power Factor	0.001	UINT16	Outlet 1
544	0x021F	0543	Power Factor Suffix	-	INT16	Outlet 1; LA (1) = inductive load; LE (-1) = capacitive load
546	0x0221	0545	Start address outlet			Outlet 2
547	0x0222	0546	Status Outlet 2		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
548	0x0223	0547	Current	0.01 A	UINT16	Outlet 2
549	0x0224	0548	Current (Max.)	0.01 A	UINT16	Outlet 2
550	0x0225	0549	Active Power	1 W	UINT16	Outlet 2
551	0x0226	0550	Active Power (Max.)	1 W	UINT16	Outlet 2
552	0x0227	0551	Reactive Power	1 var	UINT16	Outlet 2
553	0x0228	0552	Apparent Power	1 VA	UINT16	Outlet 2
554	0x0229	0553	Active Energy High Byte	0.1 kWh	UINT16	Outlet 2
555	0x022A	0554	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 2
556	0x022B	0555	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 2
557	0x022C	0556	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 2
558	0x022D	0557	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 2
559	0x022E	0558	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 2
560	0x022F	0559	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 2
561	0x0230	0560	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 2
562	0x0231	0561	Power Factor	0.001	UINT16	Outlet 2

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Type	Comment / Assignment
564	0x0233	0563	Power Factor Suffix	-	INT16	Outlet 2; LA (1) = inductive load; LE (-1) = capacitive load
566	0x0235	0565	Start address outlet			Outlet 3
567	0x0236	0566	Status Outlet 3		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
568	0x0237	0567	Current	0.01 A	UINT16	Outlet 3
569	0x0238	0568	Current (Max.)	0.01 A	UINT16	Outlet 3
570	0x0239	0569	Active Power	1 W	UINT16	Outlet 3
571	0x023A	0570	Active Power (Max.)	1 W	UINT16	Outlet 3
572	0x023B	0571	Reactive Power	1 var	UINT16	Outlet 3
573	0x023C	0572	Apparent Power	1 VA	UINT16	Outlet 3
574	0x023D	0573	Active Energy High Byte	0.1 kWh	UINT16	Outlet 3
575	0x023E	0574	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 3
576	0x023F	0575	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 3
577	0x0240	0576	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 3
578	0x0241	0577	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 3
579	0x0242	0578	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 3
580	0x0243	0579	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 3
581	0x0244	0580	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 3
582	0x0245	0581	Power Factor	0.001	UINT16	Outlet 3
584	0x0247	0583	Power Factor Suffix	-	INT16	Outlet 3; LA (1) = inductive load; LE (-1) = capacitive load
586	0x0249	0585	Start address outlet			Outlet 4
587	0x024A	0586	Status Outlet 4		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
588	0x024B	0587	Current	0.01 A	UINT16	Outlet 4
589	0x024C	0588	Current (Max.)	0.01 A	UINT16	Outlet 4
590	0x024D	0589	Active Power	1 W	UINT16	Outlet 4
591	0x024E	0590	Active Power (Max.)	1 W	UINT16	Outlet 4
592	0x024F	0591	Reactive Power	1 var	UINT16	Outlet 4
593	0x0250	0592	Apparent Power	1 VA	UINT16	Outlet 4
594	0x0251	0593	Active Energy High Byte	0.1 kWh	UINT16	Outlet 4
595	0x0252	0594	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 4
596	0x0253	0595	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 4
597	0x0254	0596	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 4
598	0x0255	0597	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 4
599	0x0256	0598	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 4
600	0x0257	0599	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 4
601	0x0258	0600	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 4
602	0x0259	0601	Power Factor	0.001	UINT16	Outlet 4

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Type	Comment / Assignment
604	0x025B	0603	Power Factor Suffix	-	INT16	Outlet 4; LA (1) = inductive load; LE (-1) = capacitive load
606	0x025D	0605	Start address outlet			Outlet 5
607	0x025E	0606	Status Outlet 5		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
608	0x025F	0607	Current	0.01 A	UINT16	Outlet 5
609	0x0260	0608	Current (Max.)	0.01 A	UINT16	Outlet 5
610	0x0261	0609	Active Power	1 W	UINT16	Outlet 5
611	0x0262	0610	Active Power (Max.)	1 W	UINT16	Outlet 5
612	0x0263	0611	Reactive Power	1 var	UINT16	Outlet 5
613	0x0264	0612	Apparent Power	1 VA	UINT16	Outlet 5
614	0x0265	0613	Active Energy High Byte	0.1 kWh	UINT16	Outlet 5
615	0x0266	0614	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 5
616	0x0267	0615	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 5
617	0x0268	0616	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 5
618	0x0269	0617	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 5
619	0x026A	0618	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 5
620	0x026B	0619	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 5
621	0x026C	0620	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 5
622	0x026D	0621	Power Factor	0.001	UINT16	Outlet 5
624	0x026F	0623	Power Factor Suffix	-	INT16	Outlet 5; LA (1) = inductive load; LE (-1) = capacitive load
626	0x0271	0625	Start address outlet			Outlet 6
627	0x0272	0626	Status Outlet 6		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
628	0x0273	0627	Current	0.01 A	UINT16	Outlet 6
629	0x0274	0628	Current (Max.)	0.01 A	UINT16	Outlet 6
630	0x0275	0629	Active Power	1 W	UINT16	Outlet 6
631	0x0276	0630	Active Power (Max.)	1 W	UINT16	Outlet 6
632	0x0277	0631	Reactive Power	1 var	UINT16	Outlet 6
633	0x0278	0632	Apparent Power	1 VA	UINT16	Outlet 6
634	0x0279	0633	Active Energy High Byte	0.1 kWh	UINT16	Outlet 6
635	0x027A	0634	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 6
636	0x027B	0635	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 6
637	0x027C	0636	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 6
638	0x027D	0637	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 6
639	0x027E	0638	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 6
640	0x027F	0639	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 6
641	0x0280	0640	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 6
642	0x0281	0641	Power Factor	0.001	UINT16	Outlet 6

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Type	Comment / Assignment
644	0x0283	0643	Power Factor Suffix	-	INT16	Outlet 6; LA (1) = inductive load; LE (-1) = capacitive load
646	0x0285	0645	Start address outlet			Outlet 7
647	0x0286	0646	Status Outlet 7		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
648	0x0287	0647	Current	0.01 A	UINT16	Outlet 7
649	0x0288	0648	Current (Max.)	0.01 A	UINT16	Outlet 7
650	0x0289	0649	Active Power	1 W	UINT16	Outlet 7
651	0x028A	0650	Active Power (Max.)	1 W	UINT16	Outlet 7
652	0x028B	0651	Reactive Power	1 var	UINT16	Outlet 7
653	0x028C	0652	Apparent Power	1 VA	UINT16	Outlet 7
654	0x028D	0653	Active Energy High Byte	0.1 kWh	UINT16	Outlet 7
655	0x028E	0654	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 7
656	0x028F	0655	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 7
657	0x0290	0656	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 7
658	0x0291	0657	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 7
659	0x0292	0658	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 7
660	0x0293	0659	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 7
661	0x0294	0660	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 7
662	0x0295	0661	Power Factor	0.001	UINT16	Outlet 7
664	0x0297	0663	Power Factor Suffix	-	INT16	Outlet 7; LA (1) = inductive load; LE (-1) = capacitive load
666	0x0299	0665	Start address outlet			Outlet 8
667	0x029A	0666	Status Outlet 8		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
668	0x029B	0667	Current	0.01 A	UINT16	Outlet 8
669	0x029C	0668	Current (Max.)	0.01 A	UINT16	Outlet 8
670	0x029D	0669	Active Power	1 W	UINT16	Outlet 8
671	0x029E	0670	Active Power (Max.)	1 W	UINT16	Outlet 8
672	0x029F	0671	Reactive Power	1 var	UINT16	Outlet 8
673	0x02A0	0672	Apparent Power	1 VA	UINT16	Outlet 8
674	0x02A1	0673	Active Energy High Byte	0.1 kWh	UINT16	Outlet 8
675	0x02A2	0674	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 8
676	0x02A3	0675	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 8
677	0x02A4	0676	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 8
678	0x02A5	0677	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 8
679	0x02A6	0678	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 8
680	0x02A7	0679	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 8
681	0x02A8	0680	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 8
682	0x02A9	0681	Power Factor	0.001	UINT16	Outlet 8

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Type	Comment / Assignment
684	0x02AB	0683	Power Factor Suffix	-	INT16	Outlet 8; LA (1) = inductive load; LE (-1) = capacitive load
686	0x02AD	0685	Start address outlet			Outlet 9
687	0x02AE	0686	Status Outlet 9		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
688	0x02AF	0687	Current	0.01 A	UINT16	Outlet 9
689	0x02B0	0688	Current (Max.)	0.01 A	UINT16	Outlet 9
690	0x02B1	0689	Active Power	1 W	UINT16	Outlet 9
691	0x02B2	0690	Active Power (Max.)	1 W	UINT16	Outlet 9
692	0x02B3	0691	Reactive Power	1 var	UINT16	Outlet 9
693	0x02B4	0692	Apparent Power	1 VA	UINT16	Outlet 9
694	0x02B5	0693	Active Energy High Byte	0.1 kWh	UINT16	Outlet 9
695	0x02B6	0694	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 9
696	0x02B7	0695	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 9
697	0x02B8	0696	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 9
698	0x02B9	0697	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 9
699	0x02BA	0698	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 9
700	0x02BB	0699	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 9
701	0x02BC	0700	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 9
702	0x02BD	0701	Power Factor	0.001	UINT16	Outlet 9
704	0x02BF	0703	Power Factor Suffix	-	INT16	Outlet 9; LA (1) = inductive load; LE (-1) = capacitive load
706	0x02C1	0705	Start address outlet			Outlet 10
707	0x02C2	0706	Status Outlet 10		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
708	0x02C3	0707	Current	0.01 A	UINT16	Outlet 10
709	0x02C4	0708	Current (Max.)	0.01 A	UINT16	Outlet 10
710	0x02C5	0709	Active Power	1 W	UINT16	Outlet 10
711	0x02C6	0710	Active Power (Max.)	1 W	UINT16	Outlet 10
712	0x02C7	0711	Reactive Power	1 var	UINT16	Outlet 10
713	0x02C8	0712	Apparent Power	1 VA	UINT16	Outlet 10
714	0x02C9	0713	Active Energy High Byte	0.1 kWh	UINT16	Outlet 10
715	0x02CA	0714	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 10
716	0x02CB	0715	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 10
717	0x02CC	0716	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 10
718	0x02CD	0717	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 10
719	0x02CE	0718	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 10
720	0x02CF	0719	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 10
721	0x02D0	0720	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 10
722	0x02D1	0721	Power Factor	0.001	UINT16	Outlet 10

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Type	Comment / Assignment
724	0x02D3	0723	Power Factor Suffix	-	INT16	Outlet 10; LA (1) = inductive load; LE (-1) = capacitive load
726	0x02D5	0725	Start address outlet			Outlet 11
727	0x02D6	0726	Status Outlet 11		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
728	0x02D7	0727	Current	0.01 A	UINT16	Outlet 11
729	0x02D8	0728	Current (Max.)	0.01 A	UINT16	Outlet 11
730	0x02D9	0729	Active Power	1 W	UINT16	Outlet 11
731	0x02DA	0730	Active Power (Max.)	1 W	UINT16	Outlet 11
732	0x02DB	0731	Reactive Power	1 var	UINT16	Outlet 11
733	0x02DC	0732	Apparent Power	1 VA	UINT16	Outlet 11
734	0x02DD	0733	Active Energy High Byte	0.1 kWh	UINT16	Outlet 11
735	0x02DE	0734	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 11
736	0x02DF	0735	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 11
737	0x02E0	0736	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 11
738	0x02E1	0737	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 11
739	0x02E2	0738	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 11
740	0x02E3	0739	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 11
741	0x02E4	0740	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 11
742	0x02E5	0741	Power Factor	0.001	UINT16	Outlet 11
744	0x02E7	0743	Power Factor Suffix	-	INT16	Outlet 11; LA (1) = inductive load; LE (-1) = capacitive load
746	0x02E9	0745	Start address outlet			Outlet 12
747	0x02EA	0746	Status Outlet 12		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
748	0x02EB	0747	Current	0.01 A	UINT16	Outlet 12
749	0x02EC	0748	Current (Max.)	0.01 A	UINT16	Outlet 12
750	0x02ED	0749	Active Power	1 W	UINT16	Outlet 12
751	0x02EE	0750	Active Power (Max.)	1 W	UINT16	Outlet 12
752	0x02EF	0751	Reactive Power	1 var	UINT16	Outlet 12
753	0x02F0	0752	Apparent Power	1 VA	UINT16	Outlet 12
754	0x02F1	0753	Active Energy High Byte	0.1 kWh	UINT16	Outlet 12
755	0x02F2	0754	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 12
756	0x02F3	0755	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 12
757	0x02F4	0756	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 12
758	0x02F5	0757	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 12
759	0x02F6	0758	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 12
760	0x02F7	0759	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 12
761	0x02F8	0760	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 12
762	0x02F9	0761	Power Factor	0.001	UINT16	Outlet 12

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Type	Comment / Assignment
764	0x02FB	0763	Power Factor Suffix	-	INT16	Outlet 12; LA (1) = inductive load; LE (-1) = capacitive load
766	0x02FD	0765	Start address outlet			Outlet 13
767	0x02FE	0766	Status Outlet 13		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
768	0x02FF	0767	Current	0.01 A	UINT16	Outlet 13
769	0x0300	0768	Current (Max.)	0.01 A	UINT16	Outlet 13
770	0x0301	0769	Active Power	1 W	UINT16	Outlet 13
771	0x0302	0770	Active Power (Max.)	1 W	UINT16	Outlet 13
772	0x0303	0771	Reactive Power	1 var	UINT16	Outlet 13
773	0x0304	0772	Apparent Power	1 VA	UINT16	Outlet 13
774	0x0305	0773	Active Energy High Byte	0.1 kWh	UINT16	Outlet 13
775	0x0306	0774	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 13
776	0x0307	0775	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 13
777	0x0308	0776	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 13
778	0x0309	0777	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 13
779	0x030A	0778	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 13
780	0x030B	0779	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 13
781	0x030C	0780	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 13
782	0x030D	0781	Power Factor	0.001	UINT16	Outlet 13
784	0x030F	0783	Power Factor Suffix	-	INT16	Outlet 13; LA (1) = inductive load; LE (-1) = capacitive load
786	0x0311	0785	Start address outlet			Outlet 14
787	0x0312	0786	Status Outlet 14		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
788	0x0313	0787	Current	0.01 A	UINT16	Outlet 14
789	0x0314	0788	Current (Max.)	0.01 A	UINT16	Outlet 14
790	0x0315	0789	Active Power	1 W	UINT16	Outlet 14
791	0x0316	0790	Active Power (Max.)	1 W	UINT16	Outlet 14
792	0x0317	0791	Reactive Power	1 var	UINT16	Outlet 14
793	0x0318	0792	Apparent Power	1 VA	UINT16	Outlet 14
794	0x0319	0793	Active Energy High Byte	0.1 kWh	UINT16	Outlet 14
795	0x031A	0794	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 14
796	0x031B	0795	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 14
797	0x031C	0796	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 14
798	0x031D	0797	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 14
799	0x031E	0798	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 14
800	0x031F	0799	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 14
801	0x0320	0800	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 14
802	0x0321	0801	Power Factor	0.001	UINT16	Outlet 14

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Type	Comment / Assignment
804	0x0323	0803	Power Factor Suffix	-	INT16	Outlet 14; LA (1) = inductive load; LE (-1) = capacitive load
806	0x0325	0805	Start address outlet			Outlet 15
807	0x0326	0806	Status Outlet 15		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
808	0x0327	0807	Current	0.01 A	UINT16	Outlet 15
809	0x0328	0808	Current (Max.)	0.01 A	UINT16	Outlet 15
810	0x0329	0809	Active Power	1 W	UINT16	Outlet 15
811	0x032A	0810	Active Power (Max.)	1 W	UINT16	Outlet 15
812	0x032B	0811	Reactive Power	1 var	UINT16	Outlet 15
813	0x032C	0812	Apparent Power	1 VA	UINT16	Outlet 15
814	0x032D	0813	Active Energy High Byte	0.1 kWh	UINT16	Outlet 15
815	0x032E	0814	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 15
816	0x032F	0815	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 15
817	0x0330	0816	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 15
818	0x0331	0817	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 15
819	0x0332	0818	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 15
820	0x0333	0819	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 15
821	0x0334	0820	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 15
822	0x0335	0821	Power Factor	0.001	UINT16	Outlet 15
824	0x0337	0823	Power Factor Suffix	-	INT16	Outlet 15; LA (1) = inductive load; LE (-1) = capacitive load
826	0x0339	0825	Start address outlet			Outlet 16
827	0x033A	0826	Status Outlet 16		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
828	0x033B	0827	Current	0.01 A	UINT16	Outlet 16
829	0x033C	0828	Current (Max.)	0.01 A	UINT16	Outlet 16
830	0x033D	0829	Active Power	1 W	UINT16	Outlet 16
831	0x033E	0830	Active Power (Max.)	1 W	UINT16	Outlet 16
832	0x033F	0831	Reactive Power	1 var	UINT16	Outlet 16
833	0x0340	0832	Apparent Power	1 VA	UINT16	Outlet 16
834	0x0341	0833	Active Energy High Byte	0.1 kWh	UINT16	Outlet 16
835	0x0342	0834	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 16
836	0x0343	0835	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 16
837	0x0344	0836	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 16
838	0x0345	0837	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 16
839	0x0346	0838	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 16
840	0x0347	0839	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 16
841	0x0348	0840	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 16
842	0x0349	0841	Power Factor	0.001	UINT16	Outlet 16

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Type	Comment / Assignment
844	0x034B	0843	Power Factor Suffix	-	INT16	Outlet 16; LA (1) = inductive load; LE (-1) = capacitive load
846	0x034D	0845	Start address outlet			Outlet 17
847	0x034E	0846	Status Outlet 17		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
848	0x034F	0847	Current	0.01 A	UINT16	Outlet 17
849	0x0350	0848	Current (Max.)	0.01 A	UINT16	Outlet 17
850	0x0351	0849	Active Power	1 W	UINT16	Outlet 17
851	0x0352	0850	Active Power (Max.)	1 W	UINT16	Outlet 17
852	0x0353	0851	Reactive Power	1 var	UINT16	Outlet 17
853	0x0354	0852	Apparent Power	1 VA	UINT16	Outlet 17
854	0x0355	0853	Active Energy High Byte	0.1 kWh	UINT16	Outlet 17
855	0x0356	0854	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 17
856	0x0357	0855	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 17
857	0x0358	0856	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 17
858	0x0359	0857	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 17
859	0x035A	0858	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 17
860	0x035B	0859	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 17
861	0x035C	0860	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 17
862	0x035D	0861	Power Factor	0.001	UINT16	Outlet 17
864	0x035F	0863	Power Factor Suffix	-	INT16	Outlet 17; LA (1) = inductive load; LE (-1) = capacitive load
866	0x0361	0865	Start address outlet			Outlet 18
867	0x0362	0866	Status Outlet 18		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
868	0x0363	0867	Current	0.01 A	UINT16	Outlet 18
869	0x0364	0868	Current (Max.)	0.01 A	UINT16	Outlet 18
870	0x0365	0869	Active Power	1 W	UINT16	Outlet 18
871	0x0366	0870	Active Power (Max.)	1 W	UINT16	Outlet 18
872	0x0367	0871	Reactive Power	1 var	UINT16	Outlet 18
873	0x0368	0872	Apparent Power	1 VA	UINT16	Outlet 18
874	0x0369	0873	Active Energy High Byte	0.1 kWh	UINT16	Outlet 18
875	0x036A	0874	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 18
876	0x036B	0875	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 18
877	0x036C	0876	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 18
878	0x036D	0877	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 18
879	0x036E	0878	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 18
880	0x036F	0879	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 18
881	0x0370	0880	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 18
882	0x0371	0881	Power Factor	0.001	UINT16	Outlet 18

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Type	Comment / Assignment
884	0x0373	0883	Power Factor Suffix	-	INT16	Outlet 18; LA (1) = inductive load; LE (-1) = capacitive load
886	0x0375	0885	Start address outlet			Outlet 19
887	0x0376	0886	Status Outlet 19		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
888	0x0377	0887	Current	0.01 A	UINT16	Outlet 19
889	0x0378	0888	Current (Max.)	0.01 A	UINT16	Outlet 19
890	0x0379	0889	Active Power	1 W	UINT16	Outlet 19
891	0x037A	0890	Active Power (Max.)	1 W	UINT16	Outlet 19
892	0x037B	0891	Reactive Power	1 var	UINT16	Outlet 19
893	0x037C	0892	Apparent Power	1 VA	UINT16	Outlet 19
894	0x037D	0893	Active Energy High Byte	0.1 kWh	UINT16	Outlet 19
895	0x037E	0894	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 19
896	0x037F	0895	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 19
897	0x0380	0896	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 19
898	0x0381	0897	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 19
899	0x0382	0898	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 19
900	0x0383	0899	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 19
901	0x0384	0900	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 19
902	0x0385	0901	Power Factor	0.001	UINT16	Outlet 19
904	0x0387	0903	Power Factor Suffix	-	INT16	Outlet 19; LA (1) = inductive load; LE (-1) = capacitive load
906	0x0389	0905	Start address outlet			Outlet 20
907	0x038A	0906	Status Outlet 20		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
908	0x038B	0907	Current	0.01 A	UINT16	Outlet 20
909	0x038C	0908	Current (Max.)	0.01 A	UINT16	Outlet 20
910	0x038D	0909	Active Power	1 W	UINT16	Outlet 20
911	0x038E	0910	Active Power (Max.)	1 W	UINT16	Outlet 20
912	0x038F	0911	Reactive Power	1 var	UINT16	Outlet 20
913	0x0390	0912	Apparent Power	1 VA	UINT16	Outlet 20
914	0x0391	0913	Active Energy High Byte	0.1 kWh	UINT16	Outlet 20
915	0x0392	0914	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 20
916	0x0393	0915	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 20
917	0x0394	0916	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 20
918	0x0395	0917	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 20
919	0x0396	0918	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 20
920	0x0397	0919	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 20
921	0x0398	0920	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 20
922	0x0399	0921	Power Factor	0.001	UINT16	Outlet 20

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Type	Comment / Assignment
924	0x039B	0923	Power Factor Suffix	-	INT16	Outlet 20; LA (1) = inductive load; LE (-1) = capacitive load
926	0x039D	0925	Start address outlet			Outlet 21
927	0x039E	0926	Status Outlet 21		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
928	0x039F	0927	Current	0.01 A	UINT16	Outlet 21
929	0x03A0	0928	Current (Max.)	0.01 A	UINT16	Outlet 21
930	0x03A1	0929	Active Power	1 W	UINT16	Outlet 21
931	0x03A2	0930	Active Power (Max.)	1 W	UINT16	Outlet 21
932	0x03A3	0931	Reactive Power	1 var	UINT16	Outlet 21
933	0x03A4	0932	Apparent Power	1 VA	UINT16	Outlet 21
934	0x03A5	0933	Active Energy High Byte	0.1 kWh	UINT16	Outlet 21
935	0x03A6	0934	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 21
936	0x03A7	0935	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 21
937	0x03A8	0936	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 21
938	0x03A9	0937	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 21
939	0x03AA	0938	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 21
940	0x03AB	0939	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 21
941	0x03AC	0940	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 21
942	0x03AD	0941	Power Factor	0.001	UINT16	Outlet 21
944	0x03AF	0943	Power Factor Suffix	-	INT16	Outlet 21; LA (1) = inductive load; LE (-1) = capacitive load
946	0x03B1	0945	Start address outlet			Outlet 22
947	0x03B2	0946	Status Outlet 22		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
948	0x03B3	0947	Current	0.01 A	UINT16	Outlet 22
949	0x03B4	0948	Current (Max.)	0.01 A	UINT16	Outlet 22
950	0x03B5	0949	Active Power	1 W	UINT16	Outlet 22
951	0x03B6	0950	Active Power (Max.)	1 W	UINT16	Outlet 22
952	0x03B7	0951	Reactive Power	1 var	UINT16	Outlet 22
953	0x03B8	0952	Apparent Power	1 VA	UINT16	Outlet 22
954	0x03B9	0953	Active Energy High Byte	0.1 kWh	UINT16	Outlet 22
955	0x03BA	0954	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 22
956	0x03BB	0955	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 22
957	0x03BC	0956	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 22
958	0x03BD	0957	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 22
959	0x03BE	0958	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 22
960	0x03BF	0959	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 22
961	0x03C0	0960	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 22
962	0x03C1	0961	Power Factor	0.001	UINT16	Outlet 22

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Type	Comment / Assignment
964	0x03C3	0963	Power Factor Suffix	-	INT16	Outlet 22; LA (1) = inductive load; LE (-1) = capacitive load
966	0x03C5	0965	Start address outlet			Outlet 23
967	0x03C6	0966	Status Outlet 23		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
968	0x03C7	0967	Current	0.01 A	UINT16	Outlet 23
969	0x03C8	0968	Current (Max.)	0.01 A	UINT16	Outlet 23
970	0x03C9	0969	Active Power	1 W	UINT16	Outlet 23
971	0x03CA	0970	Active Power (Max.)	1 W	UINT16	Outlet 23
972	0x03CB	0971	Reactive Power	1 var	UINT16	Outlet 23
973	0x03CC	0972	Apparent Power	1 VA	UINT16	Outlet 23
974	0x03CD	0973	Active Energy High Byte	0.1 kWh	UINT16	Outlet 23
975	0x03CE	0974	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 23
976	0x03CF	0975	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 23
977	0x03D0	0976	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 23
978	0x03D1	0977	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 23
979	0x03D2	0978	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 23
980	0x03D3	0979	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 23
981	0x03D4	0980	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 23
982	0x03D5	0981	Power Factor	0.001	UINT16	Outlet 23
984	0x03D7	0983	Power Factor Suffix	-	INT16	Outlet 23; LA (1) = inductive load; LE (-1) = capacitive load
986	0x03D9	0985	Start address outlet			Outlet 24
987	0x03DA	0986	Status Outlet 24		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
988	0x03DB	0987	Current	0.01 A	UINT16	Outlet 24
989	0x03DC	0988	Current (Max.)	0.01 A	UINT16	Outlet 24
990	0x03DD	0989	Active Power	1 W	UINT16	Outlet 24
991	0x03DE	0990	Active Power (Max.)	1 W	UINT16	Outlet 24
992	0x03DF	0991	Reactive Power	1 var	UINT16	Outlet 24
993	0x03E0	0992	Apparent Power	1 VA	UINT16	Outlet 24
994	0x03E1	0993	Active Energy High Byte	0.1 kWh	UINT16	Outlet 24
995	0x03E2	0994	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 24
996	0x03E3	0995	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 24
997	0x03E4	0996	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 24
998	0x03E5	0997	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 24
999	0x03E6	0998	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 24
1000	0x03E7	0999	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 24
1001	0x03E8	1000	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 24
1002	0x03E9	1001	Power Factor	0.001	UINT16	Outlet 24

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Type	Comment / Assignment
1004	0x03EB	1003	Power Factor Suffix	-	INT16	Outlet 24; LA (1) = inductive load; LE (-1) = capacitive load
1006	0x03ED	1005	Start address outlet			Outlet 25
1007	0x03EE	1006	Status Outlet 25		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
1008	0x03EF	1007	Current	0.01 A	UINT16	Outlet 25
1009	0x03F0	1008	Current (Max.)	0.01 A	UINT16	Outlet 25
1010	0x03F1	1009	Active Power	1 W	UINT16	Outlet 25
1011	0x03F2	1010	Active Power (Max.)	1 W	UINT16	Outlet 25
1012	0x03F3	1011	Reactive Power	1 var	UINT16	Outlet 25
1013	0x03F4	1012	Apparent Power	1 VA	UINT16	Outlet 25
1014	0x03F5	1013	Active Energy High Byte	0.1 kWh	UINT16	Outlet 25
1015	0x03F6	1014	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 25
1016	0x03F7	1015	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 25
1017	0x03F8	1016	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 25
1018	0x03F9	1017	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 25
1019	0x03FA	1018	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 25
1020	0x03FB	1019	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 25
1021	0x03FC	1020	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 25
1022	0x03FD	1021	Power Factor	0.001	UINT16	Outlet 25
1024	0x03FF	1023	Power Factor Suffix	-	INT16	Outlet 25; LA (1) = inductive load; LE (-1) = capacitive load
1026	0x0401	1025	Start address outlet			Outlet 26
1027	0x0402	1026	Status Outlet 26		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
1028	0x0403	1027	Current	0.01 A	UINT16	Outlet 26
1029	0x0404	1028	Current (Max.)	0.01 A	UINT16	Outlet 26
1030	0x0405	1029	Active Power	1 W	UINT16	Outlet 26
1031	0x0406	1030	Active Power (Max.)	1 W	UINT16	Outlet 26
1032	0x0407	1031	Reactive Power	1 var	UINT16	Outlet 26
1033	0x0408	1032	Apparent Power	1 VA	UINT16	Outlet 26
1034	0x0409	1033	Active Energy High Byte	0.1 kWh	UINT16	Outlet 26
1035	0x040A	1034	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 26
1036	0x040B	1035	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 26
1037	0x040C	1036	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 26
1038	0x040D	1037	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 26
1039	0x040E	1038	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 26
1040	0x040F	1039	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 26
1041	0x0410	1040	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 26
1042	0x0411	1041	Power Factor	0.001	UINT16	Outlet 26

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Type	Comment / Assignment
1044	0x0413	1043	Power Factor Suffix	-	INT16	Outlet 26; LA (1) = inductive load; LE (-1) = capacitive load
1046	0x0415	1045	Start address outlet			Outlet 27
1047	0x0416	1046	Status Outlet 27		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
1048	0x0417	1047	Current	0.01 A	UINT16	Outlet 27
1049	0x0418	1048	Current (Max.)	0.01 A	UINT16	Outlet 27
1050	0x0419	1049	Active Power	1 W	UINT16	Outlet 27
1051	0x041A	1050	Active Power (Max.)	1 W	UINT16	Outlet 27
1052	0x041B	1051	Reactive Power	1 var	UINT16	Outlet 27
1053	0x041C	1052	Apparent Power	1 VA	UINT16	Outlet 27
1054	0x041D	1053	Active Energy High Byte	0.1 kWh	UINT16	Outlet 27
1055	0x041E	1054	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 27
1056	0x041F	1055	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 27
1057	0x0420	1056	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 27
1058	0x0421	1057	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 27
1059	0x0422	1058	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 27
1060	0x0423	1059	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 27
1061	0x0424	1060	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 27
1062	0x0425	1061	Power Factor	0.001	UINT16	Outlet 27
1064	0x0427	1063	Power Factor Suffix	-	INT16	Outlet 27; LA (1) = inductive load; LE (-1) = capacitive load
1066	0x0429	1065	Start address outlet			Outlet 28
1067	0x042A	1066	Status Outlet 28		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
1068	0x042B	1067	Current	0.01 A	UINT16	Outlet 28
1069	0x042C	1068	Current (Max.)	0.01 A	UINT16	Outlet 28
1070	0x042D	1069	Active Power	1 W	UINT16	Outlet 28
1071	0x042E	1070	Active Power (Max.)	1 W	UINT16	Outlet 28
1072	0x042F	1071	Reactive Power	1 var	UINT16	Outlet 28
1073	0x0430	1072	Apparent Power	1 VA	UINT16	Outlet 28
1074	0x0431	1073	Active Energy High Byte	0.1 kWh	UINT16	Outlet 28
1075	0x0432	1074	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 28
1076	0x0433	1075	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 28
1077	0x0434	1076	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 28
1078	0x0435	1077	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 28
1079	0x0436	1078	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 28
1080	0x0437	1079	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 28
1081	0x0438	1080	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 28
1082	0x0439	1081	Power Factor	0.001	UINT16	Outlet 28

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Type	Comment / Assignment
1084	0x043B	1083	Power Factor Suffix	-	INT16	Outlet 28; LA (1) = inductive load; LE (-1) = capacitive load
1086	0x043D	1085	Start address outlet			Outlet 29
1087	0x043E	1086	Status Outlet 29		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
1088	0x043F	1087	Current	0.01 A	UINT16	Outlet 29
1089	0x0440	1088	Current (Max.)	0.01 A	UINT16	Outlet 29
1090	0x0441	1089	Active Power	1 W	UINT16	Outlet 29
1091	0x0442	1090	Active Power (Max.)	1 W	UINT16	Outlet 29
1092	0x0443	1091	Reactive Power	1 var	UINT16	Outlet 29
1093	0x0444	1092	Apparent Power	1 VA	UINT16	Outlet 29
1094	0x0445	1093	Active Energy High Byte	0.1 kWh	UINT16	Outlet 29
1095	0x0446	1094	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 29
1096	0x0447	1095	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 29
1097	0x0448	1096	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 29
1098	0x0449	1097	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 29
1099	0x044A	1098	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 29
1100	0x044B	1099	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 29
1101	0x044C	1100	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 29
1102	0x044D	1101	Power Factor	0.001	UINT16	Outlet 29
1104	0x044F	1103	Power Factor Suffix	-	INT16	Outlet 29; LA (1) = inductive load; LE (-1) = capacitive load
1106	0x0451	1105	Start address outlet			Outlet 30
1107	0x0452	1106	Status Outlet 30		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
1108	0x0453	1107	Current	0.01 A	UINT16	Outlet 30
1109	0x0454	1108	Current (Max.)	0.01 A	UINT16	Outlet 30
1110	0x0455	1109	Active Power	1 W	UINT16	Outlet 30
1111	0x0456	1110	Active Power (Max.)	1 W	UINT16	Outlet 30
1112	0x0457	1111	Reactive Power	1 var	UINT16	Outlet 30
1113	0x0458	1112	Apparent Power	1 VA	UINT16	Outlet 30
1114	0x0459	1113	Active Energy High Byte	0.1 kWh	UINT16	Outlet 30
1115	0x045A	1114	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 30
1116	0x045B	1115	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 30
1117	0x045C	1116	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 30
1118	0x045D	1117	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 30
1119	0x045E	1118	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 30
1120	0x045F	1119	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 30
1121	0x0460	1120	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 30
1122	0x0461	1121	Power Factor	0.001	UINT16	Outlet 30

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Type	Comment / Assignment
1124	0x0463	1123	Power Factor Suffix	-	INT16	Outlet 30; LA (1) = inductive load; LE (-1) = capacitive load
1126	0x0465	1125	Start address outlet			Outlet 31
1127	0x0466	1126	Status Outlet 31		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
1128	0x0467	1127	Current	0.01 A	UINT16	Outlet 31
1129	0x0468	1128	Current (Max.)	0.01 A	UINT16	Outlet 31
1130	0x0469	1129	Active Power	1 W	UINT16	Outlet 31
1131	0x046A	1130	Active Power (Max.)	1 W	UINT16	Outlet 31
1132	0x046B	1131	Reactive Power	1 var	UINT16	Outlet 31
1133	0x046C	1132	Apparent Power	1 VA	UINT16	Outlet 31
1134	0x046D	1133	Active Energy High Byte	0.1 kWh	UINT16	Outlet 31
1135	0x046E	1134	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 31
1136	0x046F	1135	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 31
1137	0x0470	1136	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 31
1138	0x0471	1137	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 31
1139	0x0472	1138	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 31
1140	0x0473	1139	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 31
1141	0x0474	1140	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 31
1142	0x0475	1141	Power Factor	0.001	UINT16	Outlet 31
1144	0x0477	1143	Power Factor Suffix	-	INT16	Outlet 31; LA (1) = inductive load; LE (-1) = capacitive load
1146	0x0479	1145	Start address outlet			Outlet 32
1147	0x047A	1146	Status Outlet 32		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
1148	0x047B	1147	Current	0.01 A	UINT16	Outlet 32
1149	0x047C	1148	Current (Max.)	0.01 A	UINT16	Outlet 32
1150	0x047D	1149	Active Power	1 W	UINT16	Outlet 32
1151	0x047E	1150	Active Power (Max.)	1 W	UINT16	Outlet 32
1152	0x047F	1151	Reactive Power	1 var	UINT16	Outlet 32
1153	0x0480	1152	Apparent Power	1 VA	UINT16	Outlet 32
1154	0x0481	1153	Active Energy High Byte	0.1 kWh	UINT16	Outlet 32
1155	0x0482	1154	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 32
1156	0x0483	1155	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 32
1157	0x0484	1156	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 32
1158	0x0485	1157	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 32
1159	0x0486	1158	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 32
1160	0x0487	1159	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 32
1161	0x0488	1160	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 32
1162	0x0489	1161	Power Factor	0.001	UINT16	Outlet 32

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Type	Comment / Assignment
1164	0x048B	1163	Power Factor Suffix	-	INT16	Outlet 32; LA (1) = inductive load; LE (-1) = capacitive load
1166	0x048D	1165	Start address outlet			Outlet 33
1167	0x048E	1166	Status Outlet 33		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
1168	0x048F	1167	Current	0.01 A	UINT16	Outlet 33
1169	0x0490	1168	Current (Max.)	0.01 A	UINT16	Outlet 33
1170	0x0491	1169	Active Power	1 W	UINT16	Outlet 33
1171	0x0492	1170	Active Power (Max.)	1 W	UINT16	Outlet 33
1172	0x0493	1171	Reactive Power	1 var	UINT16	Outlet 33
1173	0x0494	1172	Apparent Power	1 VA	UINT16	Outlet 33
1174	0x0495	1173	Active Energy High Byte	0.1 kWh	UINT16	Outlet 33
1175	0x0496	1174	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 33
1176	0x0497	1175	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 33
1177	0x0498	1176	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 33
1178	0x0499	1177	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 33
1179	0x049A	1178	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 33
1180	0x049B	1179	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 33
1181	0x049C	1180	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 33
1182	0x049D	1181	Power Factor	0.001	UINT16	Outlet 33
1184	0x049F	1183	Power Factor Suffix	-	INT16	Outlet 33; LA (1) = inductive load; LE (-1) = capacitive load
1186	0x04A1	1185	Start address outlet			Outlet 34
1187	0x04A2	1186	Status Outlet 34		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
1188	0x04A3	1187	Current	0.01 A	UINT16	Outlet 34
1189	0x04A4	1188	Current (Max.)	0.01 A	UINT16	Outlet 34
1190	0x04A5	1189	Active Power	1 W	UINT16	Outlet 34
1191	0x04A6	1190	Active Power (Max.)	1 W	UINT16	Outlet 34
1192	0x04A7	1191	Reactive Power	1 var	UINT16	Outlet 34
1193	0x04A8	1192	Apparent Power	1 VA	UINT16	Outlet 34
1194	0x04A9	1193	Active Energy High Byte	0.1 kWh	UINT16	Outlet 34
1195	0x04AA	1194	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 34
1196	0x04AB	1195	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 34
1197	0x04AC	1196	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 34
1198	0x04AD	1197	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 34
1199	0x04AE	1198	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 34
1200	0x04AF	1199	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 34
1201	0x04B0	1200	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 34
1202	0x04B1	1201	Power Factor	0.001	UINT16	Outlet 34

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Type	Comment / Assignment
1204	0x04B3	1203	Power Factor Suffix	-	INT16	Outlet 34; LA (1) = inductive load; LE (-1) = capacitive load
1206	0x04B5	1205	Start address outlet			Outlet 35
1207	0x04B6	1206	Status Outlet 35		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
1208	0x04B7	1207	Current	0.01 A	UINT16	Outlet 35
1209	0x04B8	1208	Current (Max.)	0.01 A	UINT16	Outlet 35
1210	0x04B9	1209	Active Power	1 W	UINT16	Outlet 35
1211	0x04BA	1210	Active Power (Max.)	1 W	UINT16	Outlet 35
1212	0x04BB	1211	Reactive Power	1 var	UINT16	Outlet 35
1213	0x04BC	1212	Apparent Power	1 VA	UINT16	Outlet 35
1214	0x04BD	1213	Active Energy High Byte	0.1 kWh	UINT16	Outlet 35
1215	0x04BE	1214	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 35
1216	0x04BF	1215	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 35
1217	0x04C0	1216	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 35
1218	0x04C1	1217	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 35
1219	0x04C2	1218	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 35
1220	0x04C3	1219	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 35
1221	0x04C4	1220	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 35
1222	0x04C5	1221	Power Factor	0.001	UINT16	Outlet 35
1224	0x04C7	1223	Power Factor Suffix	-	INT16	Outlet 35; LA (1) = inductive load; LE (-1) = capacitive load
1226	0x04C9	1225	Start address outlet			Outlet 36
1227	0x04CA	1226	Status Outlet 36		INT16	Offline(-1); Connection Lost(-2); On(0); Off(1); Unknown Error (-128)
1228	0x04CB	1227	Current	0.01 A	UINT16	Outlet 36
1229	0x04CC	1228	Current (Max.)	0.01 A	UINT16	Outlet 36
1230	0x04CD	1229	Active Power	1 W	UINT16	Outlet 36
1231	0x04CE	1230	Active Power (Max.)	1 W	UINT16	Outlet 36
1232	0x04CF	1231	Reactive Power	1 var	UINT16	Outlet 36
1233	0x04D0	1232	Apparent Power	1 VA	UINT16	Outlet 36
1234	0x04D1	1233	Active Energy High Byte	0.1 kWh	UINT16	Outlet 36
1235	0x04D2	1234	Active Energy Low Byte	0.1 kWh	UINT16	Outlet 36
1236	0x04D3	1235	Custom Active Energy High Byte	0.1 kWh	UINT16	Outlet 36
1237	0x04D4	1236	Custom Active Energy Low Byte	0.1 kWh	UINT16	Outlet 36
1238	0x04D5	1237	Reactive Energy High Byte	0.1 kvarh	UINT16	Outlet 36
1239	0x04D6	1238	Reactive Energy Low Byte	0.1 kvarh	UINT16	Outlet 36
1240	0x04D7	1239	Apparent Energy High Byte	0.1 kVAh	UINT16	Outlet 36
1241	0x04D8	1240	Apparent Energy Low Byte	0.1 kVAh	UINT16	Outlet 36
1242	0x04D9	1241	Power Factor	0.001	UINT16	Outlet 36

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Type	Comment / Assignment
1244	0x04DB	1243	Power Factor Suffix	-	INT16	Outlet 36; LA (1) = inductive load; LE (-1) = capacitive load
1261	0x04EC	1260	GPIO SENSORS Start Address			
1262	0x04ED	1261	GPIO Sensor - Digital Output 1		UINT16	On (0); Off (1)
1282	0x0501	1281	GPIO Sensor - Digital Output 2		UINT16	On (0); Off (1)
1302	0x0515	1301	GPIO Sensor - Digital Input 1		UINT16	Low (1); High (0)
1322	0x0529	1321	GPIO Sensor - Digital Input 2		UINT16	Low (1); High (0)
1342	0x053D	1341	Status Ext Sensors 1		INT16	Connection Lost (-2); Offline (-1); Okay (active) (0)
1343	0x053E	1342	Humidity	1 %RH	UINT16	
1344	0x053F	1343	Humidity (Max.)	1 %RH	UINT16	
1345	0x0540	1344	Temperature	0.1 °C	UINT16	
1346	0x0541	1345	Temperature (Max.)	0.1 °C	UINT16	
1362	0x0551	1361	Status Ext Sensors 2		INT16	Connection Lost (-2); Offline (-1); Okay (active) (0)
1363	0x0552	1362	Humidity	1 %RH	UINT16	
1364	0x0553	1363	Humidity (Max.)	1 %RH	UINT16	
1365	0x0554	1364	Temperature	0.1 °C	UINT16	
1366	0x0555	1365	Temperature (Max.)	0.1 °C	UINT16	
1382	0x0565	1381	Status Ext Sensors 3		INT16	Connection Lost (-2); Offline (-1); Okay (active) (0)
1383	0x0566	1382	Humidity	1 %RH	UINT16	
1384	0x0567	1383	Humidity (Max.)	1 %RH	UINT16	
1385	0x0568	1384	Temperature	0.1 °C	UINT16	
1386	0x0569	1385	Temperature (Max.)	0.1 °C	UINT16	
1402	0x0579	1401	Status Ext Sensors 4		INT16	Connection Lost (-2); Offline (-1); Okay (active) (0)
1403	0x057A	1402	Humidity	1 %RH	UINT16	
1404	0x057B	1403	Humidity (Max.)	1 %RH	UINT16	
1405	0x057C	1404	Temperature	0.1 °C	UINT16	
1406	0x057D	1405	Temperature (Max.)	0.1 °C	UINT16	
1422	0x058D	1421	Status Ext Sensors 5		INT16	Connection Lost (-2); Offline (-1); Okay (active) (0)
1423	0x058E	1422	Humidity	1 %RH	UINT16	
1424	0x058F	1423	Humidity (Max.)	1 %RH	UINT16	
1425	0x0590	1424	Temperature	0.1 °C	UINT16	
1426	0x0591	1425	Temperature (Max.)	0.1 °C	UINT16	
1442	0x05A1	1441	Status Ext Sensors 6		INT16	Connection Lost (-2); Offline (-1); Okay (active) (0)
1443	0x05A2	1442	Humidity	1 %RH	UINT16	
1444	0x05A3	1443	Humidity (Max.)	1 %RH	UINT16	
1445	0x05A4	1444	Temperature	0.1 °C	UINT16	
1446	0x05A5	1445	Temperature (Max.)	0.1 °C	UINT16	

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Type	Comment / Assignment
1462	0x05B5	1461	Status Ext Sensors 7		INT16	Connection Lost (-2); Offline (-1); Okay (active) (0)
1463	0x05B6	1462	Humidity	1 %RH	UINT16	
1464	0x05B7	1463	Humidity (Max.)	1 %RH	UINT16	
1465	0x05B8	1464	Temperature	0.1 °C	UINT16	
1466	0x05B9	1465	Temperature (Max.)	0.1 °C	UINT16	
1482	0x05C9	1481	Status Ext Sensors 8		INT16	Connection Lost (-2); Offline (-1); Okay (active) (0)
1483	0x05CA	1482	Humidity	1 %RH	UINT16	
1484	0x05CB	1483	Humidity (Max.)	1 %RH	UINT16	
1485	0x05CC	1484	Temperature	0.1 °C	UINT16	
1486	0x05CD	1485	Temperature (Max.)	0.1 °C	UINT16	
1502	0x05DD	1501	Status Ext Sensors 9		INT16	Connection Lost (-2); Offline (-1); Okay (active) (0)
1503	0x05DE	1502	Humidity	1 %RH	UINT16	
1504	0x05DF	1503	Humidity (Max.)	1 %RH	UINT16	
1505	0x05E0	1504	Temperature	0.1 °C	UINT16	
1506	0x05E1	1505	Temperature (Max.)	0.1 °C	UINT16	
1522	0x05F1	1521	Status Ext Sensors 10		INT16	Connection Lost (-2); Offline (-1); Okay (active) (0)
1523	0x05F2	1522	Humidity	1 %RH	UINT16	
1524	0x05F3	1523	Humidity (Max.)	1 %RH	UINT16	
1525	0x05F4	1524	Temperature	0.1 °C	UINT16	
1526	0x05F5	1525	Temperature (Max.)	0.1 °C	UINT16	
1541	0x0604	1540	SPD start address			
1542	0x0605	1541	Status SPD 1		INT16	SPD of inlet 1; Offline(-1); Connection Lost(-2); On(0); SPD defect(-6); Unknown Error (-128)

Function Code 04 Register Table

Input registers (0x04). Addresses are zero-based; state values are interpreted as INT16 and reference the state tables in this guide.

Register	Address (hex)	Address (dec)	Variable Name	Type	State / Reference
2	0x0001	0001	Device State	INT16	Refer to Table 11: Device State
17	0x0010	0016	Inlet State	INT16	Refer to Table 4: Element State
18	0x0011	0017	Inlet Current State	INT16	Refer to Table 2: Measurement State
32	0x001F	0031	Inlet Neutral Current State	INT16	Refer to Table 2: Measurement State
143	0x008E	0142	Phase 1 State	INT16	Refer to Table 4: Element State
144	0x008F	0143	Phase 1 Voltage State	INT16	Refer to Table 2: Measurement State
145	0x0090	0144	Phase 1 Current State	INT16	Refer to Table 2: Measurement State
160	0x009F	0159	Phase 1 Power Factor State	INT16	Refer to Table 2: Measurement State
163	0x00A2	0162	Phase 2 State	INT16	Refer to Table 4: Element State
164	0x00A3	0163	Phase 2 Voltage State	INT16	Refer to Table 2: Measurement State
165	0x00A4	0164	Phase 2 Current State	INT16	Refer to Table 2: Measurement State
180	0x00B3	0179	Phase 2 Power Factor State	INT16	Refer to Table 2: Measurement State
183	0x00B6	0182	Phase 3 State	INT16	Refer to Table 4: Element State
184	0x00B7	0183	Phase 3 Voltage State	INT16	Refer to Table 2: Measurement State
185	0x00B8	0184	Phase 3 Current State	INT16	Refer to Table 2: Measurement State
200	0x00C7	0199	Phase 3 Power Factor State	INT16	Refer to Table 2: Measurement State
395	0x018A	0394	MCB 1 State	INT16	Refer to Table 5: MCB State
396	0x018B	0395	MCB 1 Current State	INT16	Refer to Table 2: Measurement State
399	0x018E	0398	MCB 2 State	INT16	Refer to Table 5: MCB State
400	0x018F	0399	MCB 2 Current State	INT16	Refer to Table 2: Measurement State
403	0x0192	0402	MCB 3 State	INT16	Refer to Table 5: MCB State
404	0x0193	0403	MCB 3 Current State	INT16	Refer to Table 2: Measurement State
407	0x0196	0406	MCB 4 State	INT16	Refer to Table 5: MCB State
408	0x0197	0407	MCB 4 Current State	INT16	Refer to Table 2: Measurement State
411	0x019A	0410	MCB 5 State	INT16	Refer to Table 5: MCB State
412	0x019B	0411	MCB 5 Current State	INT16	Refer to Table 2: Measurement State
415	0x019E	0414	MCB 6 State	INT16	Refer to Table 5: MCB State
416	0x019F	0415	MCB 6 Current State	INT16	Refer to Table 2: Measurement State
419	0x01A2	0418	MCB 7 State	INT16	Refer to Table 5: MCB State
420	0x01A3	0419	MCB 7 Current State	INT16	Refer to Table 2: Measurement State
423	0x01A6	0422	MCB 8 State	INT16	Refer to Table 5: MCB State
424	0x01A7	0423	MCB 8 Current State	INT16	Refer to Table 2: Measurement State
427	0x01AA	0426	MCB 9 State	INT16	Refer to Table 5: MCB State

Register	Address (hex)	Address (dec)	Variable Name	Type	State / Reference
428	0x01AB	0427	MCB 9 Current State	INT16	Refer to Table 2: Measurement State
431	0x01AE	0430	MCB 10 State	INT16	Refer to Table 5: MCB State
432	0x01AF	0431	MCB 10 Current State	INT16	Refer to Table 2: Measurement State
435	0x01B2	0434	MCB 11 State	INT16	Refer to Table 5: MCB State
436	0x01B3	0435	MCB 11 Current State	INT16	Refer to Table 2: Measurement State
439	0x01B6	0438	MCB 12 State	INT16	Refer to Table 5: MCB State
440	0x01B7	0439	MCB 12 Current State	INT16	Refer to Table 2: Measurement State
443	0x01BA	0442	RCM 1 State	INT16	Refer to Table 6: RCM State
444	0x01BB	0443	RCM 1 Residual Current AC State	INT16	Refer to Table 3: Measurement State High Only
446	0x01BD	0445	RCM 1 Residual Current DC State	INT16	Refer to Table 3: Measurement State High Only
450	0x01C1	0449	RCM 2 State	INT16	Refer to Table 6: RCM State
451	0x01C2	0450	RCM 2 Residual Current AC State	INT16	Refer to Table 3: Measurement State High Only
453	0x01C4	0452	RCM 2 Residual Current DC State	INT16	Refer to Table 3: Measurement State High Only
457	0x01C8	0456	RCM 3 State	INT16	Refer to Table 6: RCM State
458	0x01C9	0457	RCM 3 Residual Current AC State	INT16	Refer to Table 3: Measurement State High Only
460	0x01CB	0459	RCM 3 Residual Current DC State	INT16	Refer to Table 3: Measurement State High Only
464	0x01CF	0463	RCM 4 State	INT16	Refer to Table 6: RCM State
465	0x01D0	0464	RCM 4 Residual Current AC State	INT16	Refer to Table 3: Measurement State High Only
467	0x01D2	0466	RCM 4 Residual Current DC State	INT16	Refer to Table 3: Measurement State High Only
471	0x01D6	0470	RCM 5 State	INT16	Refer to Table 6: RCM State
472	0x01D7	0471	RCM 5 Residual Current AC State	INT16	Refer to Table 3: Measurement State High Only
474	0x01D9	0473	RCM 5 Residual Current DC State	INT16	Refer to Table 3: Measurement State High Only
478	0x01DD	0477	RCM 6 State	INT16	Refer to Table 6: RCM State
479	0x01DE	0478	RCM 6 Residual Current AC State	INT16	Refer to Table 3: Measurement State High Only
481	0x01E0	0480	RCM 6 Residual Current DC State	INT16	Refer to Table 3: Measurement State High Only
527	0x020E	0526	Outlet 1 State	INT16	Refer to Table 7: Outlet State
528	0x020F	0527	Outlet 1 Current State	INT16	Refer to Table 2: Measurement State
542	0x021D	0541	Outlet 1 Power Factor State	INT16	Refer to Table 2: Measurement State
547	0x0222	0546	Outlet 2 State	INT16	Refer to Table 7: Outlet State
548	0x0223	0547	Outlet 2 Current State	INT16	Refer to Table 2: Measurement State
562	0x0231	0561	Outlet 2 Power Factor State	INT16	Refer to Table 2: Measurement State
567	0x0236	0566	Outlet 3 State	INT16	Refer to Table 7: Outlet State
568	0x0237	0567	Outlet 3 Current State	INT16	Refer to Table 2: Measurement State
582	0x0245	0581	Outlet 3 Power Factor State	INT16	Refer to Table 2: Measurement State
587	0x024A	0586	Outlet 4 State	INT16	Refer to Table 7: Outlet State
588	0x024B	0587	Outlet 4 Current State	INT16	Refer to Table 2: Measurement State

Register	Address (hex)	Address (dec)	Variable Name	Type	State / Reference
602	0x0259	0601	Outlet 4 Power Factor State	INT16	Refer to Table 2: Measurement State
607	0x025E	0606	Outlet 5 State	INT16	Refer to Table 7: Outlet State
608	0x025F	0607	Outlet 5 Current State	INT16	Refer to Table 2: Measurement State
622	0x026D	0621	Outlet 5 Power Factor State	INT16	Refer to Table 2: Measurement State
627	0x0272	0626	Outlet 6 State	INT16	Refer to Table 7: Outlet State
628	0x0273	0627	Outlet 6 Current State	INT16	Refer to Table 2: Measurement State
642	0x0281	0641	Outlet 6 Power Factor State	INT16	Refer to Table 2: Measurement State
647	0x0286	0646	Outlet 7 State	INT16	Refer to Table 7: Outlet State
648	0x0287	0647	Outlet 7 Current State	INT16	Refer to Table 2: Measurement State
662	0x0295	0661	Outlet 7 Power Factor State	INT16	Refer to Table 2: Measurement State
667	0x029A	0666	Outlet 8 State	INT16	Refer to Table 7: Outlet State
668	0x029B	0667	Outlet 8 Current State	INT16	Refer to Table 2: Measurement State
682	0x02A9	0681	Outlet 8 Power Factor State	INT16	Refer to Table 2: Measurement State
687	0x02AE	0686	Outlet 9 State	INT16	Refer to Table 7: Outlet State
688	0x02AF	0687	Outlet 9 Current State	INT16	Refer to Table 2: Measurement State
702	0x02BD	0701	Outlet 9 Power Factor State	INT16	Refer to Table 2: Measurement State
707	0x02C2	0706	Outlet 10 State	INT16	Refer to Table 7: Outlet State
708	0x02C3	0707	Outlet 10 Current State	INT16	Refer to Table 2: Measurement State
722	0x02D1	0721	Outlet 10 Power Factor State	INT16	Refer to Table 2: Measurement State
727	0x02D6	0726	Outlet 11 State	INT16	Refer to Table 7: Outlet State
728	0x02D7	0727	Outlet 11 Current State	INT16	Refer to Table 2: Measurement State
742	0x02E5	0741	Outlet 11 Power Factor State	INT16	Refer to Table 2: Measurement State
747	0x02EA	0746	Outlet 12 State	INT16	Refer to Table 7: Outlet State
748	0x02EB	0747	Outlet 12 Current State	INT16	Refer to Table 2: Measurement State
762	0x02F9	0761	Outlet 12 Power Factor State	INT16	Refer to Table 2: Measurement State
767	0x02FE	0766	Outlet 13 State	INT16	Refer to Table 7: Outlet State
768	0x02FF	0767	Outlet 13 Current State	INT16	Refer to Table 2: Measurement State
782	0x030D	0781	Outlet 13 Power Factor State	INT16	Refer to Table 2: Measurement State
787	0x0312	0786	Outlet 14 State	INT16	Refer to Table 7: Outlet State
788	0x0313	0787	Outlet 14 Current State	INT16	Refer to Table 2: Measurement State
802	0x0321	0801	Outlet 14 Power Factor State	INT16	Refer to Table 2: Measurement State
807	0x0326	0806	Outlet 15 State	INT16	Refer to Table 7: Outlet State
808	0x0327	0807	Outlet 15 Current State	INT16	Refer to Table 2: Measurement State
822	0x0335	0821	Outlet 15 Power Factor State	INT16	Refer to Table 2: Measurement State
827	0x033A	0826	Outlet 16 State	INT16	Refer to Table 7: Outlet State
828	0x033B	0827	Outlet 16 Current State	INT16	Refer to Table 2: Measurement State

Register	Address (hex)	Address (dec)	Variable Name	Type	State / Reference
842	0x0349	0841	Outlet 16 Power Factor State	INT16	Refer to Table 2: Measurement State
847	0x034E	0846	Outlet 17 State	INT16	Refer to Table 7: Outlet State
848	0x034F	0847	Outlet 17 Current State	INT16	Refer to Table 2: Measurement State
862	0x035D	0861	Outlet 17 Power Factor State	INT16	Refer to Table 2: Measurement State
867	0x0362	0866	Outlet 18 State	INT16	Refer to Table 7: Outlet State
868	0x0363	0867	Outlet 18 Current State	INT16	Refer to Table 2: Measurement State
882	0x0371	0881	Outlet 18 Power Factor State	INT16	Refer to Table 2: Measurement State
887	0x0376	0886	Outlet 19 State	INT16	Refer to Table 7: Outlet State
888	0x0377	0887	Outlet 19 Current State	INT16	Refer to Table 2: Measurement State
902	0x0385	0901	Outlet 19 Power Factor State	INT16	Refer to Table 2: Measurement State
907	0x038A	0906	Outlet 20 State	INT16	Refer to Table 7: Outlet State
908	0x038B	0907	Outlet 20 Current State	INT16	Refer to Table 2: Measurement State
922	0x0399	0921	Outlet 20 Power Factor State	INT16	Refer to Table 2: Measurement State
927	0x039E	0926	Outlet 21 State	INT16	Refer to Table 7: Outlet State
928	0x039F	0927	Outlet 21 Current State	INT16	Refer to Table 2: Measurement State
942	0x03AD	0941	Outlet 21 Power Factor State	INT16	Refer to Table 2: Measurement State
947	0x03B2	0946	Outlet 22 State	INT16	Refer to Table 7: Outlet State
948	0x03B3	0947	Outlet 22 Current State	INT16	Refer to Table 2: Measurement State
962	0x03C1	0961	Outlet 22 Power Factor State	INT16	Refer to Table 2: Measurement State
967	0x03C6	0966	Outlet 23 State	INT16	Refer to Table 7: Outlet State
968	0x03C7	0967	Outlet 23 Current State	INT16	Refer to Table 2: Measurement State
982	0x03D5	0981	Outlet 23 Power Factor State	INT16	Refer to Table 2: Measurement State
987	0x03DA	0986	Outlet 24 State	INT16	Refer to Table 7: Outlet State
988	0x03DB	0987	Outlet 24 Current State	INT16	Refer to Table 2: Measurement State
1002	0x03E9	1001	Outlet 24 Power Factor State	INT16	Refer to Table 2: Measurement State
1007	0x03EE	1006	Outlet 25 State	INT16	Refer to Table 7: Outlet State
1008	0x03EF	1007	Outlet 25 Current State	INT16	Refer to Table 2: Measurement State
1022	0x03FD	1021	Outlet 25 Power Factor State	INT16	Refer to Table 2: Measurement State
1027	0x0402	1026	Outlet 26 State	INT16	Refer to Table 7: Outlet State
1028	0x0403	1027	Outlet 26 Current State	INT16	Refer to Table 2: Measurement State
1042	0x0411	1041	Outlet 26 Power Factor State	INT16	Refer to Table 2: Measurement State
1047	0x0416	1046	Outlet 27 State	INT16	Refer to Table 7: Outlet State
1048	0x0417	1047	Outlet 27 Current State	INT16	Refer to Table 2: Measurement State
1062	0x0425	1061	Outlet 27 Power Factor State	INT16	Refer to Table 2: Measurement State
1067	0x042A	1066	Outlet 28 State	INT16	Refer to Table 7: Outlet State
1068	0x042B	1067	Outlet 28 Current State	INT16	Refer to Table 2: Measurement State

Register	Address (hex)	Address (dec)	Variable Name	Type	State / Reference
1082	0x0439	1081	Outlet 28 Power Factor State	INT16	Refer to Table 2: Measurement State
1087	0x043E	1086	Outlet 29 State	INT16	Refer to Table 7: Outlet State
1088	0x043F	1087	Outlet 29 Current State	INT16	Refer to Table 2: Measurement State
1102	0x044D	1101	Outlet 29 Power Factor State	INT16	Refer to Table 2: Measurement State
1107	0x0452	1106	Outlet 30 State	INT16	Refer to Table 7: Outlet State
1108	0x0453	1107	Outlet 30 Current State	INT16	Refer to Table 2: Measurement State
1122	0x0461	1121	Outlet 30 Power Factor State	INT16	Refer to Table 2: Measurement State
1127	0x0466	1126	Outlet 31 State	INT16	Refer to Table 7: Outlet State
1128	0x0467	1127	Outlet 31 Current State	INT16	Refer to Table 2: Measurement State
1142	0x0475	1141	Outlet 31 Power Factor State	INT16	Refer to Table 2: Measurement State
1147	0x047A	1146	Outlet 32 State	INT16	Refer to Table 7: Outlet State
1148	0x047B	1147	Outlet 32 Current State	INT16	Refer to Table 2: Measurement State
1162	0x0489	1161	Outlet 32 Power Factor State	INT16	Refer to Table 2: Measurement State
1167	0x048E	1166	Outlet 33 State	INT16	Refer to Table 7: Outlet State
1168	0x048F	1167	Outlet 33 Current State	INT16	Refer to Table 2: Measurement State
1182	0x049D	1181	Outlet 33 Power Factor State	INT16	Refer to Table 2: Measurement State
1187	0x04A2	1186	Outlet 34 State	INT16	Refer to Table 7: Outlet State
1188	0x04A3	1187	Outlet 34 Current State	INT16	Refer to Table 2: Measurement State
1202	0x04B1	1201	Outlet 34 Power Factor State	INT16	Refer to Table 2: Measurement State
1207	0x04B6	1206	Outlet 35 State	INT16	Refer to Table 7: Outlet State
1208	0x04B7	1207	Outlet 35 Current State	INT16	Refer to Table 2: Measurement State
1222	0x04C5	1221	Outlet 35 Power Factor State	INT16	Refer to Table 2: Measurement State
1227	0x04CA	1226	Outlet 36 State	INT16	Refer to Table 7: Outlet State
1228	0x04CB	1227	Outlet 36 Current State	INT16	Refer to Table 2: Measurement State
1242	0x04D9	1241	Outlet 36 Power Factor State	INT16	Refer to Table 2: Measurement State
1262	0x04ED	1261	GPIO Digital Output 1 State	INT16	Refer to Table 8: GPIO Output State
1282	0x0501	1281	GPIO Digital Output 2 State	INT16	Refer to Table 8: GPIO Output State
1302	0x0515	1301	GPIO Digital Input 1 State	INT16	Refer to Table 9: GPIO Input State
1322	0x0529	1321	GPIO Digital Input 2 State	INT16	Refer to Table 9: GPIO Input State
1342	0x053D	1341	Ext Sensor 1 State	INT16	Refer to Table 4: Element State
1343	0x053E	1342	Ext Sensor 1 Humidity State	INT16	Refer to Table 2: Measurement State
1345	0x0540	1344	Ext Sensor 1 Temperature State	INT16	Refer to Table 2: Measurement State
1362	0x0551	1361	Ext Sensor 2 State	INT16	Refer to Table 4: Element State
1363	0x0552	1362	Ext Sensor 2 Humidity State	INT16	Refer to Table 2: Measurement State
1365	0x0554	1364	Ext Sensor 2 Temperature State	INT16	Refer to Table 2: Measurement State
1382	0x0565	1381	Ext Sensor 3 State	INT16	Refer to Table 4: Element State

Register	Address (hex)	Address (dec)	Variable Name	Type	State / Reference
1383	0x0566	1382	Ext Sensor 3 Humidity State	INT16	Refer to Table 2: Measurement State
1385	0x0568	1384	Ext Sensor 3 Temperature State	INT16	Refer to Table 2: Measurement State
1402	0x0579	1401	Ext Sensor 4 State	INT16	Refer to Table 4: Element State
1403	0x057A	1402	Ext Sensor 4 Humidity State	INT16	Refer to Table 2: Measurement State
1405	0x057C	1404	Ext Sensor 4 Temperature State	INT16	Refer to Table 2: Measurement State
1422	0x058D	1421	Ext Sensor 5 State	INT16	Refer to Table 4: Element State
1423	0x058E	1422	Ext Sensor 5 Humidity State	INT16	Refer to Table 2: Measurement State
1425	0x0590	1424	Ext Sensor 5 Temperature State	INT16	Refer to Table 2: Measurement State
1442	0x05A1	1441	Ext Sensor 6 State	INT16	Refer to Table 4: Element State
1443	0x05A2	1442	Ext Sensor 6 Humidity State	INT16	Refer to Table 2: Measurement State
1445	0x05A4	1444	Ext Sensor 6 Temperature State	INT16	Refer to Table 2: Measurement State
1462	0x05B5	1461	Ext Sensor 7 State	INT16	Refer to Table 4: Element State
1463	0x05B6	1462	Ext Sensor 7 Humidity State	INT16	Refer to Table 2: Measurement State
1465	0x05B8	1464	Ext Sensor 7 Temperature State	INT16	Refer to Table 2: Measurement State
1482	0x05C9	1481	Ext Sensor 8 State	INT16	Refer to Table 4: Element State
1483	0x05CA	1482	Ext Sensor 8 Humidity State	INT16	Refer to Table 2: Measurement State
1485	0x05CC	1484	Ext Sensor 8 Temperature State	INT16	Refer to Table 2: Measurement State
1502	0x05DD	1501	Ext Sensor 9 State	INT16	Refer to Table 4: Element State
1503	0x05DE	1502	Ext Sensor 9 Humidity State	INT16	Refer to Table 2: Measurement State
1505	0x05E0	1504	Ext Sensor 9 Temperature State	INT16	Refer to Table 2: Measurement State
1522	0x05F1	1521	Ext Sensor 10 State	INT16	Refer to Table 4: Element State
1523	0x05F2	1522	Ext Sensor 10 Humidity State	INT16	Refer to Table 2: Measurement State
1525	0x05F4	1524	Ext Sensor 10 Temperature State	INT16	Refer to Table 2: Measurement State
1542	0x0605	1541	SPD 1 State	INT16	Refer to Table 10: SPD State