



Modbus register file PRO380-MOD-COM

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Default settings Modbus RTU

Modbus ID: 01
Baudrate: 9600
Parity: EVEN
CRC: 0607E329

Register	Content	Function	R/W	Length	Data Type	Unit
4000	Serial number	03	Read	2	signed	-
4002	Meter code	03	Read	1	signed	-
4003	Meter ID (Mbus/Modbus)	03	Read	1	signed	-
4004	Baud Rate	03	Read	1	signed	-
4005	Protocol Version	03	Read	2	Float - (ABCD)	-
4007	Software Version	03	Read	2	Float - (ABCD)	-
4009	Hardware Version	03	Read	2	Float - (ABCD)	-
400B	Meter Amps	03	Read	2	signed	A
4010	LCD cycle time	03/06	R/W	2	signed	-
4011	Parity setting	03	Read	1	signed	-
4012	Phase direction	03	Read	3	signed	-
4016	Power on off counter	03/06	R/W	1	HEX	-
4017	Total Q4	03	Read	1	signed	-
4018	L1 Q4	03	Read	1	signed	-
4019	L2 Q4	03	Read	1	signed	-
401A	L3 Q4	03	Read	1	signed	-
401B	Checksum	03	Read	2	HEX	-
401D	Active status word	03	Read	2	HEX	-
4020	LCD mode	03/06	R/W	1	signed	-
4021	Backlight	03/06	R/W	1	signed	-

Register	Content	Function	R/W	Length	Data Type	Unit
5002	L1 Voltage	03	Read	2	Float - (ABCD)	V
5004	L2 Voltage	03	Read	2	Float - (ABCD)	V
5006	L3 Voltage	03	Read	2	Float - (ABCD)	V
5008	Grid Frequency	03	Read	2	Float - (ABCD)	Hz
500C	L1 Current	03	Read	2	Float - (ABCD)	A
500E	L2 Current	03	Read	2	Float - (ABCD)	A
5010	L3 Current	03	Read	2	Float - (ABCD)	A
5012	Total Active Power	03	Read	2	Float - (ABCD)	kW
5014	L1 Active Power	03	Read	2	Float - (ABCD)	kW
5016	L2 Active Power	03	Read	2	Float - (ABCD)	kW
5018	L3 Active Power	03	Read	2	Float - (ABCD)	kW
501A	Total reactive power	03	Read	2	Float - (ABCD)	kVA
501C	L1 reactive power	03	Read	2	Float - (ABCD)	kVA
501E	L2 reactive power	03	Read	2	Float - (ABCD)	kVA
5020	L3 reactive power	03	Read	2	Float - (ABCD)	kVA
5022	Total Apparent Power	03	Read	2	Float - (ABCD)	KVA
5024	L1 Apparent Power	03	Read	2	Float - (ABCD)	KVA
5026	L2 Apparent Power	03	Read	2	Float - (ABCD)	KVA
5028	L3 Apparent Power	03	Read	2	Float - (ABCD)	KVA
502A	Power Factor	03	Read	2	Float - (ABCD)	-
502C	L1 Power Factor	03	Read	2	Float - (ABCD)	-
502E	L2 Power Factor	03	Read	2	Float - (ABCD)	-
5030	L3 Power Factor	03	Read	2	Float - (ABCD)	-

Register	Content	Function	R/W	Length	Data Type	Unit
6000	Total Active Energy	03	Read	2	Float - (ABCD)	kWh
6002	T1 Total Active Energy	03	Read	2	Float - (ABCD)	kWh
6004	T2 Total Active Energy	03	Read	2	Float - (ABCD)	kWh
6006	L1 Total Active Energy	03	Read	2	Float - (ABCD)	kWh
6008	L2 Total Active Energy	03	Read	2	Float - (ABCD)	kWh
600A	L3 Total Active Energy	03	Read	2	Float - (ABCD)	kWh
600C	Forward Active Energy	03	Read	2	Float - (ABCD)	kWh
600E	T1 Forward Active Energy	03	Read	2	Float - (ABCD)	kWh
6010	T2 Forward Active Energy	03	Read	2	Float - (ABCD)	kWh
6012	L1 Forward Active Energy	03	Read	2	Float - (ABCD)	kWh
6014	L2 Forward Active Energy	03	Read	2	Float - (ABCD)	kWh
6016	L3 Forward Active Energy	03	Read	2	Float - (ABCD)	kWh
6018	Reverse Active Energy	03	Read	2	Float - (ABCD)	kWh
601A	T1 Reverse Active Energy	03	Read	2	Float - (ABCD)	kWh
601C	T2 Reverse Active Energy	03	Read	2	Float - (ABCD)	kWh
601E	L1 Reverse Active Energy	03	Read	2	Float - (ABCD)	kWh
6020	L2 Reverse Active Energy	03	Read	2	Float - (ABCD)	kWh
6022	L3 Reverse Active Energy	03	Read	2	Float - (ABCD)	kWh
6024	Total Reactive Energy	03	Read	2	Float - (ABCD)	kWh
6026	T1 Total Reactive Energy	03	Read	2	Float - (ABCD)	kWh
6028	T2 Total Reactive Energy	03	Read	2	Float - (ABCD)	kWh
602A	L1 Total Reactive Energy	03	Read	2	Float - (ABCD)	kWh
602C	L2 Total Reactive Energy	03	Read	2	Float - (ABCD)	kWh

602E	L3 Total Reactive Energy	03	Read	2	Float - (ABCD)	kWh
6030	Forward Reactive Energy	03	Read	2	Float - (ABCD)	kWh
6032	T1 Forward Reactive Energy	03	Read	2	Float - (ABCD)	kWh
6034	T2 Forward Reactive Energy	03	Read	2	Float - (ABCD)	kWh
6036	L1 Forward Reactive Energy	03	Read	2	Float - (ABCD)	kWh
6038	L2 Forward Reactive Energy	03	Read	2	Float - (ABCD)	kWh
603A	L3 Forward Reactive Energy	03	Read	2	Float - (ABCD)	kWh
603C	Reverse Reactive Energy	03	Read	2	Float - (ABCD)	kWh
603E	T1 Reverse Reactive Energy	03	Read	2	Float - (ABCD)	kWh
6040	T2 Reverse Reactive Energy	03	Read	2	Float - (ABCD)	kWh
6042	L1 Reverse Reactive Energy	03	Read	2	Float - (ABCD)	kWh
6044	L2 Reverse Reactive Energy	03	Read	2	Float - (ABCD)	kWh
6046	L3 Reverse Reactive Energy	03	Read	2	Float - (ABCD)	kWh
6048	Tariff	03	Read	2	Float - (ABCD)	kWh
604C	T3 Total Active Energy	03	Read	2	Float - (ABCD)	kWh
604E	T3 Forward Active Energy	03	Read	2	Float - (ABCD)	kWh
6050	T3 Reverse Active Energy	03	Read	2	Float - (ABCD)	kWh
6052	T3 Total Reactive Energy	03	Read	2	Float - (ABCD)	kWh
6054	T3 Forward Reactive Energy	03	Read	2	Float - (ABCD)	kWh
6056	T3 Reverse Reactive Energy	03	Read	2	Float - (ABCD)	kWh

Write

Register	Content	Function	Length	Unit		
4003	Modbus ID	06	0001	01-147 - 01 Default - 00 Broadcast		
Command:	01 06 4003 000A (new ID: 10)					
4004	Baudrate	06	0001	300 (012C) - 600 (0258) - 1200 (04B0)- 2400 (0960)- 9600 (2580)		
Command:	01 06 4004 2580 (new Baudrate: 9600)					
4010	LCD cycle time	06	0001	1	Sec	HEX
Command:	01 06 4010 0025 (new cylce time = 25sec)			01-30		
4011	Parity setting	06	0001	1	-	signed
Command:	01 06 4011 0002 (new parity: none)			01: even / 02: none / 03: odd		
4016	Power down counter	06	0001	1	-	signed
Command:	01 06 4016 0000			Reset to 0		
6048	Tarriif	06	0001	1	-	signed
Command:	01 06 6048 0002 (new tariff = 02)			01: T1 / 02: T2 / 03: T3		