



# Modbus Protocol

Date : 16/02/2019

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## Address Map of AMF-9924

Version : 1.3

S.No	Parameter Name	Bits	Data Type	Address	Multiplying By	No. of Registers required	Type of Register
1	Digital Alarm 1		Unsigned integer	4001	1	1	Holding Register
2	Digital Alarm 2		Unsigned integer	4002	1	1	Holding Register
3	Solid State Relay		Unsigned integer	4003	1	1	Holding Register
4	Mains Voltage	R	Unsigned integer	4004	0.01	1	Holding Register
		Y	Unsigned integer	4005	0.01	1	Holding Register
		B	Unsigned integer	4006	0.01	1	Holding Register
5	DG Voltage	R	Unsigned integer	4007	0.01	1	Holding Register
		Y	Unsigned integer	4008	0.01	1	Holding Register
		B	Unsigned integer	4009	0.01	1	Holding Register
6	Load Current	R	Unsigned integer	400A	0.1	1	Holding Register
		Y	Unsigned integer	400B	0.1	1	Holding Register
		B	Unsigned integer	400C	0.1	1	Holding Register
7	Mains KWH (Long)	LSB	Unsigned long integer	400D	0.01	2	Holding Register
		MSB		400E			Holding Register
8	DG KWH (Long)	LSB	Unsigned long integer	400F	0.01	2	Holding Register
		MSB		4010			Holding Register
9	DG Run Hour	MIN	Unsigned long integer	4011	Minutes	2	Holding Register
		MSB		4012			Holding Register
10	Mains run hours	MIN	Unsigned long integer	4013	Minutes	2	Holding Register
		MSB		4014			Holding Register
11	DG Battery Voltage		Unsigned integer	4015	0.01	1	Holding Register
12	BTS Voltage		Unsigned integer	4016	0.01	1	Holding Register
13	Fuel Bar		Unsigned integer	4017	1	1	Holding Register
14	Mains KW -R		Unsigned integer	4018	0.1	1	Holding Register
15	Mains KW -Y		Unsigned integer	4019	0.1	1	Holding Register
16	Mains KW -B		Unsigned integer	401A	0.1	1	Holding Register
17	DG KW -R		Unsigned integer	401B	0.1	1	Holding Register
18	DG KW -Y		Unsigned integer	401C	0.1	1	Holding Register
19	DG KW -B		Unsigned integer	401D	0.1	1	Holding Register
20	RPM		Unsigned integer	401E	1	1	Holding Register
21	Alternator Voltage		Unsigned integer	401F	0.01	1	Holding Register
22	OIL pressure		Unsigned integer	4020	0.1	1	Holding Register
23	Temperature		Unsigned integer	4021	1	1	Holding Register
24	Mains Line to Line Voltage	RY	Unsigned integer	4022	0.01	1	Holding Register
		YB	Unsigned integer	4023	0.01	1	Holding Register
		BR	Unsigned integer	4024	0.01	1	Holding Register
25	DG Line to Line Voltage	RY	Unsigned integer	4025	0.01	1	Holding Register
		YB	Unsigned integer	4026	0.01	1	Holding Register
		BR	Unsigned integer	4027	0.01	1	Holding Register
26	Mains Frequency		Unsigned integer	4028	0.01	1	Holding Register



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27	DG Frequency		Unsigned integer	4029	0.01	1	Holding Register	
28	MAINS Power Factor	R	Unsigned integer	402A	0.01	1	Holding Register	
		Y	Unsigned integer	402B	0.01	1	Holding Register	
		B	Unsigned integer	402C	0.01	1	Holding Register	
29	DG Power Factor	R	Unsigned integer	402D	0.01	1	Holding Register	
		Y	Unsigned integer	402E	0.01	1	Holding Register	
		B	Unsigned integer	402F	0.01	1	Holding Register	
30	MAINS KVA	R	LSB	Unsigned Long integer	4030	0.00001	2	Holding Register
			MSB					
		Y	LSB	Unsigned Long integer	4032	0.00001	2	Holding Register
			MSB					
		B	LSB	Unsigned Long integer	4034	0.00001	2	Holding Register
			MSB					
31	DG KVA	R	LSB	Unsigned Long integer	4036	0.00001	2	Holding Register
			MSB					
		Y	LSB	Unsigned Long integer	4038	0.00001	2	Holding Register
			MSB					
		B	LSB	Unsigned Long integer	403A	0.00001	2	Holding Register
			MSB					
32	SERVICE HOURS		LSB	Unsigned Long integer	403C	1	2	Holding Register
			MSB					Holding Register
33	DATE		Unsigned integer	403E	1	1	Holding Register	
34	MONTH		Unsigned integer	403F	1	1	Holding Register	
35	YEAR		Unsigned integer	4040	1	1	Holding Register	
36	HOUR		Unsigned integer	4041	1	1	Holding Register	
37	MINUTE		Unsigned integer	4042	1	1	Holding Register	
38	SECOND		Unsigned integer	4043	1	1	Holding Register	

Verified By : Vishnu

Checked By : N.C

Created By : A.J

Enertrak Instruments Private Limited, Jaipur

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### Note

- This is a computer generated document and does not require any signature.
- Due to continuous improvement of product the technical parameters might change from time to time.



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## Address Map of AMF-9924

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Bits	Digital Alarm 1	Digital Alarm 2	SOLID STATE
1	DOOR OPEN	MAINS CONTACTOR/NA	OUTPUT-8
2	SMOKE & FIRE	OVER LOAD	OUTPUT-7
3	LLOP	MAINS FAIL	OUTPUT-6
4	HCT	FAIL TO STOP	OUTPUT-5
5	DG CONTACTOR ON/NA	DG Fail To Start	OUTPUT-4
6	V BELT FAILURE	Reserved	OUTPUT-3
7	HALF FUEL	Overspeed	OUTPUT-2
8	LOW FUEL	UnderSpeed	OUTPUT-1
9	EMERGENCY	DG On	NA
10	AUTO/MANUAL	FAN FAULT	NA
11	MAINS CHARGE FAIL/NA	Remote Start	DG CONTACTOR
12	CAN FAIL	Canopy T High	MAINS CONTACTOR
13	FUEL THEFT	Alternator Fault/COMMON	NA
14	RWL	Reserved	NA
15	PHASE SEQUENCE	MAINS CHARGE FAIL/NA	NA
16	SOS/NA	Reserved	NA

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