MAPA DE MEMORIA DE COMUNICACIÓN — ETHERNET/IP

Equipo: Sistema UPS Industrial (5 kVA) **Marca / Modelo:** Riello UPS — Sentryum (S3M) **Controlador:** Tarjeta MultiCOM 302 **TAG:** **4500-UP-001**

Pasarela: GW EIP/MODBUS 1E/1DB9 (2702765) **Assembly:** Input: 101 (Int16) | Output: 118 **Archivo EDS:** GW EIPMODBUS 1E_1DBP_1_02.eds **Protocolo:** EtherNet/IP (Adapter)

1. – VARIABLES DE MEDICIÓN ANALÓGICAS (MEASUREMENTS)

Ítem	Name	Unit	Scale	Data Type	Assembly Instance (Input)	WordIndex	EIP Point
1.1	Input voltage (Ph-N) V1	V	1	Int16	101	0	**Assembly101 INT[0]**
1.2	Input voltage (Ph-N) V2	V	1	Int16	101	1	**Assembly101 INT[1]**
1.3	Input voltage (Ph-N) V3	V	1	Int16	101	2	**Assembly101 INT[2]**
1.4	Input frequency	Hz	0,1	Int16	101	6	**Assembly101 INT[6]**
1.5	Bypass voltage (Ph-N) V1	V	1	Int16	101	10	**Assembly101 INT[10]**
1.6	Bypass frequency	Hz	0,1	Int16	101	13	**Assembly101 INT[13]**
1.7	Output voltage (Ph-N) V1	V	1	Int16	101	14	**Assembly101 INT[14]**
1.8	Output current phase L1	A	0,1	Int16	101	20	**Assembly101 INT[20]**
1.9	Output peak current phase L1	A	0,1	Int16	101	23	**Assembly101 INT[23]**
1.10	Load phase L1	%	1	Int16	101	26	**Assembly101 INT[26]**
1.11	Output active power phase L1	kW	0,1	Int16	101	29	**Assembly101 INT[29]**
1.12	Output frequency	Hz	0,1	Int16	101	32	**Assembly101 INT[32]**
1.13	Battery voltage of positive bench	V	0,1	Int16	101	37	**Assembly101 INT[37]**
1.14	Battery voltage of negative bench	V	0,1	Int16	101	38	**Assembly101 INT[38]**
1.15	Charge%	%	1	Int16	101	40	**Assembly101 INT[40]**
1.16	Autonomy	Minutes	1	Int16	101	42	**Assembly101 INT[42]**
1.17	Battery current of positive bench	A	0,1	Int16	101	43	**Assembly101 INT[43]**
1.18	Battery current of negative bench	A	0,1	Int16	101	44	**Assembly101 INT[44]**
1.19	System temperature	°C	1	Int16	101	50	**Assembly101 INT[50]**
1.20	Boost temperature	°C	1	Int16	101	51	**Assembly101 INT[51]**
1.21	Inverter temperature	°C	1	Int16	101	52	**Assembly101 INT[52]**
1.22	Output nominal voltage	V	1	Int16	101	66	**Assembly101 INT[66]**
1.23	Output nominal frequency	Hz	0,1	Int16	101	67	**Assembly101 INT[67]**
1.24	Output nominal power	kVA	0,1	Int16	101	68	**Assembly101 INT[68]**
1.25	Output nominal power	kW	0,1	Int16	101	69	**Assembly101 INT[69]**
1.26	Battery nominal voltage (for bench)	V	1	Int16	101	71	**Assembly101 INT[71]**
1.27	Battery nominal capacity (battery expansion included)	Ah	1	Int16	101	72	**Assembly101 INT[72]**

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2. – ESTADOS Y ALARMAS DIGITALES (ALARM / STATUS)

Ítem	Name	Description	Data Type	Assembly Instance (Input)	WordIndex	BitIndex	Bit Mask	EIP Point
2.1	**Test in progress**	Test in progress	bit	101	73	0	1	**Assembly101 INT[73].0**
2.2	**Shutdown imminent**	Shutdown imminent	bit	101	73	1	2	**Assembly101 INT[73].1**
2.3	**Shutdown active**	Shutdown active	bit	101	73	2	4	**Assembly101 INT[73].2**
2.4	**Replace battery**	Replace battery	bit	101	73	3	8	**Assembly101 INT[73].3**
2.5	**Battery charged**	Battery charged	bit	101	73	4	16	**Assembly101 INT[73].4**
2.6	**Battery charging**	Battery charging	bit	101	73	5	32	**Assembly101 INT[73].5**
2.7	**Bypass not available**	Bypass not available	bit	101	73	6	64	**Assembly101 INT[73].6**
2.8	**Normal operation**	Normal operation	bit	101	73	8	256	**Assembly101 INT[73].8**
2.9	**On bypass**	On bypass	bit	101	73	10	1024	**Assembly101 INT[73].10**
2.10	**Battery low**	Battery low	bit	101	73	11	2048	**Assembly101 INT[73].11**
2.11	**Battery working**	Battery working	bit	101	73	12	4096	**Assembly101 INT[73].12**
2.12	**UPS locked**	UPS locked	bit	101	73	13	8192	**Assembly101 INT[73].13**
2.13	**Output powered**	Output powered	bit	101	73	14	16384	**Assembly101 INT[73].14**
2.14	**SWOUT**	SWOUT	bit	101	74	0	1	**Assembly101 INT[74].0**
2.15	**SWMB**	SWMB	bit	101	74	3	8	**Assembly101 INT[74].3**
2.16	**Input Mains present**	Input Mains present	bit	101	74	11	2048	**Assembly101 INT[74].11**
2.17	**Alarm temperature**	Alarm temperature	bit	101	74	12	4096	**Assembly101 INT[74].12**
2.18	**Alarm overload**	Alarm overload	bit	101	74	13	8192	**Assembly101 INT[74].13**
2.19	**EPO active**	EPO active	bit	101	74	15	32768	**Assembly101 INT[74].15**
2.20	**Bypass command active (Panel OR Remote IN)**	Bypass command active (Panel OR Remote IN)	bit	101	75	1	2	**Assembly101 INT[75].1**
2.21	**Backfeed protection active**	Backfeed protection active	bit	101	75	4	16	**Assembly101 INT[75].4**
2.22	**Battery not present (or inverted)**	Battery not present (or inverted)	bit	101	75	9	512	**Assembly101 INT[75].9**
2.23	**Communication lost with UPS**	Communication lost with UPS	bit	101	76	14	16384	**Assembly101 INT[76].14**

NOTAS TÉCNICAS Y DECODIFICACIÓN DE ESTADOS

• Lógica de bits de estado operativo: INT[73].8 (Normal operation) = 1 en operación normal (0 = condición anormal); INT[73].14 (Output powered) = 1 con salida energizada.