CONTENTS

JTL KILOWATT HOUR MONITOR ITEM NUMBERS — PR110/PR111

ITEM	DESCRIPTION	CODE	CODE MEANING	BIT 4321	RANGE	ITEM 9 VALUE
	1. Jnet NETWORK IDENTIFICATION					
0	Unit type	Pr11	Unit type			
19	Software version Number					
1	Unit number (channel 1)				0.1 - 899.9	
20 (1)	Unit number (meter 1)				0.1 - 899.9	
30	Unit number (meter 2)				0.1 - 899.9	
40	Unit number (meter 3)				0.1 - 899.9	
50	Unit number (meter 4)				0.1 - 899.9	
	2. ENERGY USAGE (kWh)					
	2.1 METER 1					
28	kWh per meter output pulse				0.1 - 25.0	1.0
25	kWh usage over last minute					
27	Total kWh (most significant 4 digits, 0000xxx.x - 9999xxx.x)					
26	Total kWh (least significant 4 digits, xxxx000.0 - xxxx999.9)					
24	Total kWh usage over the last 24 hours					
	2.2 METER 2					
38	kWh meter output pulse				0.1 - 25.0	1.0
35	kWh usage over last minute					
37	Total kWh (most significant 4 digits, 0000xxx.x - 9999xxx.x)					
36	Total kWh (least significant 4 digits, xxxx000.0 - xxxx999.9)					
34	Total kWh usage over the last 24 hours					
	2.3 METER 3					
48	kWh per meter output pulse				0.1 - 25.0	1.0
45	kWh usage over last minute					
47	Total kWh (most significant 4 digits, 0000xxx.x - 9999xxx.x)					
46	Total kWh (least significant 4 digits, xxxx000.0 - xxxx999.9)					
44	Total kWh usage over the last 24 hours					
	2.4 METER 4					
58	kWh per meter output pulse				0.1 - 25.0	1.0
55	kWh usage over last minute					
57	Total kWh (most significant 4 digits, 0000xxx.x - 9999xxx.x)					
56	Total kWh (least significant 4 digits, xxxx000.0 - xxxx999.9)					

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54	Total kWh usage over the last 24 hours					
3. POWER USAGE (kW)						
3.1 METER 1						
21	Average kW over the last 15 minutes					
22	Average kW over the last hour					
23	Average kW over the last 24 hours					
3.2 METER 2						
31	Average kW over the last 15 minutes					
32	Average kW over the last hour					
33	Average kW over the last 24 hours					
3.3 METER 3						
41	Average kW over the last 15 minutes					
42	Average kW over the last hour					
43	Average kW over the last 24 hours					
3.4 METER 4						
51	Average kW over the last 15 minutes					
52	Average kW over the last hour					
53	Average kW over the last 24 hours					
4. INPUTS						
61	Meter 1 pulse input (IP1)	OFF IP1	Contacts open Contacts closed			
62	Meter 2 pulse input (IP2)	OFF IP2	Contacts open Contacts closed			
63	Meter 3 pulse input (IP3)	OFF IP3	Contacts open Contacts closed			
64	Meter 4 pulse input (IP4)	OFF IP4	Contacts open Contacts closed			

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5. CLOCK/CALENDAR FUNCTIONS (v0.00.1 on) From v0.00.1 this product supports a pseudo clock which indicates the time on the JTL network. The time and date can be displayed as standard or daylight saving (summer) time. This choice is made on item 18. When daylight saving is chosen and the controller is connected to a JTL Network Controller supporting daylight saving operation, the change is made automatically to the current EU directive.						
2	Time of day				00:00 - 23:59	
3	Day of week	Sun - Sat	0 = Sunday 1 = Monday etc			
4	Date				01.01 - 31.12	
5	Year				v0.00.1 2001 - 2022 v0.00.2 on 2010 - 2034	
18	Daylight saving enable	Stnd dAY.S	Standard time Daylight saving time		0 - 1	Stnd
6. RESTORE FACTORY DEFAULTS						
9	Set default	1234 1066	Set default values (from version 0.00.1) Write to NVRAM without delay		0 - 1	
7. SYSTEM ALARMS						
80	Group alarm 81-88	0 1-255	No alarms Check 81-88			
81	Unit number corrupted/not set	CLr Un.CF	No fault Fault			

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8. DIAGNOSTIC & TEST FUNCTIONS						
6	Communications speed	38.4 4.8	Kilo baud rate Kilo baud rate			
7	2/4 wire communications choice (Hlaf/Full duplex)	HALF FULL	2 wire 4 wire		0 - 1	HALF
973	Latest polling interval This time shows the polling interval between the last two successful network awake messages to this unit.	min:sec				
974	Time since last awake message	min:sec				
975	Network receive timer Each time a message is read correctly the timer is set to 10 it counts down. If the timer reaches 0 then the communications module is reset.	seconds	(counts down to 0)			
976	Network receive bad character counter The counter counts down from a preset number. When the counter reaches 0 the communications module is reset.		(counts down to 0)			
977	Transmit control line status for the operation of the Jnet network communications.	Hi Lo	Transmit Receive			
71	Input status NOTE: If more than one input is present, the numbers shown in brackets are added together and displayed instead of the text.	iP1 (1) iP2 (2) iP3 (4) iP4 (8)	Input 1 Input 2 Input 3 Input 4			
71 (100)	Input status (v0.00.1 on)	1 - - - - 2 - - - - 3 - - - - 4	Input 1 Input 2 Input 3 Input 4			
72	Output status (PR111 only)	1- - - -	Output 1			
10	Processor alarms (11-17)	0 1-255	No alarms Check 11-17			
11	Static RAM fault	CLr rA.Ft	No fault Fault			
12	Program/counter fault	CLr PC.Ft	No fault Fault			
13	Stack pointer fault	CLr SP.Ft	No fault Fault			
14	Background loop fault	CLr bL.Ft	No fault Fault			
15	PROM checksum fault	CLr Pr.Ft	No fault Fault			
16	NVRAM fault	CLr n.Ft	No fault Fault			

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17	Instruction TRAP fault	CLr tP.Ft	No fault Fault			