





**CONTENTS**

1. NETWORK IDENTIFICATION ..... 1  
 2. INTERFACE PARAMETERS ..... 1  
 3. ANALOGUE INPUTS ..... 1  
 4. DIGITAL INPUTS ..... 2  
 5. RESTORE FACTORY DEFAULTS ..... 2  
 6. ALARMS ..... 3  
 7. DIAGNOSTIC TEST FUNCTIONS ..... 4

JTL PLANT INTERFACE ITEM NUMBERS				IF54	
ITEM	DESCRIPTION		CODE MEANING	RANGE	ITEM 9 VALUE
<b>1. NETWORK IDENTIFICATION</b>					
0	Unit type	IF54	Unit type		
19	Firmware version number				
30	Modbus Device Address	1-254	Modbus Device Address	0 - 254	
31	Reserved			0 - 15	
<b>2. INTERFACE PARAMETERS</b>					
37	Communication Protocol/configuration	b.ASC J.PL.1 J.PL.2 b.rtu	Modbus ASCII protocol Reserved Reserved Modbus RTU protocol	0 - 3	3
36	Communication speed	1.2 2.4 4.8 9.6 19.2	1200 baud 2400 baud 4800 baud 9600 baud 19200 baud	1 - 5	4
<b>3. ANALOGUE INPUTS</b>					
111	Input 1 voltage 1mV resolution				
113	Input 1 voltage 10mV resolution				
121	Input 2 voltage 1mV resolution				
123	Input 2 voltage 10mV resolution				
131	Sensor 1 temperature				
141	Sensor 2 temperature				
151	Sensor 3 temperature				
161	Sensor 4 temperature				
171	Sensor 5 temperature				

JTL PLANT INTERFACE ITEM NUMBERS				IF54	
ITEM	DESCRIPTION		CODE MEANING	RANGE	ITEM 9 VALUE
<b>4. DIGITAL INPUTS</b>					
Where segment patterns are shown, the vertical segments of the LCD display are used to represent visually the states of inputs or outputs. Input 1 is always on the right. Low segments mean denegised high segments mean energised.					
62	Inputs		No inputs energised		
			Input 1 energised		
			Input 2 energised		
			Input 3 energised		
<b>5. RESTORE FACTORY DEFAULTS</b>					
9	Set default values	1234	Load default settings		

# JTL PLANT INTERFACE ITEM NUMBERS

# IF54

ITEM	DESCRIPTION		CODE MEANING	RANGE	ITEM 9 VALUE
<b>6. ALARMS</b>					
80	Group alarm	0		No alarms	
		1		Reserved	
		2		Reserved	
		4		Reserved	
		8		Reserved	
		16		Reserved	
		32		Reserved	
		64		Sensor 3 s/c	
		128		Sensor 3 o/c	
90	Group alarm	0		No alarms	
		1		Sensor 4 s/c	
		2		Sensor 4 o/c	
		4		Sensor 5 s/c	
		8		Sensor 5 o/c	
		16		Sensor 6 s/c	
		32		Sensor 6 o/c	
		64		Sensor 7 s/c	
		128		Sensor 7 o/c	

JTL PLANT INTERFACE ITEM NUMBERS				IF54	
ITEM	DESCRIPTION		CODE MEANING	RANGE	ITEM 9 VALUE
<b>7. DIAGNOSTIC TEST FUNCTIONS</b>					
10	Processor Alarms	0 32	No Alarms NVRAM fault		
21	Raw ADC Channel 1				
22	Raw ADC Channel 2				
23	Raw ADC Channel 3				
24	Raw ADC Channel 4				
25	Raw ADC Channel 5				
26	Raw ADC Channel 6				
27	Raw ADC Channel 7				
118	ADC Spread Channel 1				
128	ADC Spread Channel 2				
138	ADC Spread Channel 3				
148	ADC Spread Channel 4				
158	ADC Spread Channel 5				
168	ADC Spread Channel 6				
178	ADC Spread Channel 7				
89	Sensor excitation test value				
191	Base PCB FW version				
192	Base PCB Sys Info				
78	Force inputs (see item 100)	0 1-7	Not forced Force inputs to read value	0 - 7	