

JTL HONEYWELL TOUCH POINT LEAK DETECTOR INTERFACE ITEM NUMBERS

RL310

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ITEM	DESCRIPTION	CODE		CODE MEANING	BIT	RANGE	ITEM 9 VALUE
					4321		
1. Jnet NETWORK IDENTIFICATION							
0	Unit type	r310		Unit type			
19	Software Version number						
31	No of channels	0	8.Ch	8 channels		0 - 3	16ch
		1	16.Ch	16 channels			
		2	24.Ch	24 channels			
		3	31.Ch	31 channels			

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ITEM	DESCRIPTION	CODE	CODE MEANING	BIT	RANGE	ITEM 9 VALUE
				4321		
211	Channel 1					
221	Channel 2					
231	Channel 3					
241	Channel 4					
251	Channel 5					
261	Channel 6					
271	Channel 7					
281	Channel 8					
291	Channel 9					
301	Channel 10					
311	Channel 11					
321	Channel 12					
331	Channel 13					
341	Channel 14					
351	Channel 15					
361	Channel 16					
371	Channel 17					
381	Channel 18					
391	Channel 19					
401	Channel 20					
411	Channel 21					
421	Channel 22					
431	Channel 23					
441	Channel 24					
451	Channel 25					
461	Channel 26					
471	Channel 27					
481	Channel 28					
491	Channel 29					
501	Channel 30					
511	Channel 31					

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ITEM	DESCRIPTION	CODE	CODE MEANING	BIT	RANGE	ITEM 9 VALUE
				4321		
2. GAS CONCENTRATIONS (ppm)						
101	Channel 1					
102	Channel 2					
103	Channel 3					
104	Channel 4					
105	Channel 5					
106	Channel 6					
107	Channel 7					
108	Channel 8					
109	Channel 9					
110	Channel 10					
111	Channel 11					
112	Channel 12					
113	Channel 13					
114	Channel 14					
115	Channel 15					
116	Channel 16					
117	Channel 17					
118	Channel 18					
119	Channel 19					
120	Channel 20					
121	Channel 21					
122	Channel 22					
123	Channel 23					
124	Channel 24					
125	Channel 25					
126	Channel 26					
127	Channel 27					
128	Channel 28					
129	Channel 29					
130	Channel 30					
131	Channel 31					

JTL HONEYWELL LEAK DETECTOR INTERFACE ITEM NUMBERS					RL310	
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3. CHANNEL GAS DATA & ALARMS						
A general form of item numbers is shown below. The "x" shown in each item number should be replaced by the channel number (1 - 9). This sequence covers item numbers 210 - 299 & 610 - 699. For channels 10 - 19 these item numbers are 300 - 399. For channels 20 - 29 these item numbers are 400 - 499 & 800 - 899. For channels 30 & 31 these item numbers are 500 - 519 & 900 - 919.						
2x0 3x0 4x0 5x0	Channel Selection	OFF on			0 - 1	on
2x7 3x7 4x7 5x7	Mode	0 rdy H.E.FL sh.dn H.C.FL	Unknown Ready Honeywell sensor fault Shutdown Honeywell communications fault			
2x6 3x6 4x6 5x6	Honeywell status	run rAtE LtEL StEL Lo.AL It.AL Hi.AL H.E.Ft H.inh H.n.d.A	Ok RATE alarm Long term exposure alarm Short term exposure alarm Low level alarm Critical alarm High Level alarm Honeywell equipment fault Honeywell inhibited Honeywell no data available			
2x2 3x2 4x2 5x2	Gas Concentration					
2x4 3x4 4x4 5x4	Average Gas Concentration					
2x5 3x5 4x5 5x5	Period over which averages taken				00:02 - 04:00	00:10
2x9 3x9 4x9 5x9	Network command status	run sh.dn	Run Shutdown			
up to v0.00.4	Alarm level 1				up to v0.00.1	100
6x0 7x0 8x0 9x0					1 - 9999	
from v0.00.5					from v0.00.2	
6x1 7x1 8x1 9x1					0 - 9999	

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				4321			
up to v0.00.4	Alarm level 2				up to v0.00.1	500	
6x1 7x1 8x1 9x1					1 - 9999		
from v0.00.5					from v0.00.2		
6x2 7x2 8x2 9x2					0 - 9999		
up to v0.00.4	Alarm level 3				up to v0.00.1	1000	
6x2 7x2 8x2 9x2					1 - 9999		
from v0.00.5					from v0.00.2		
6x3 7x3 8x3 9x3					0 - 9999		
4. MODBUS COMMUNICATIONS							
39	Interface baud rate	3 4 5	4800 Baud 9600 Baud 19200 Baud		3 - 5	1	
30	Honeywell unit address				1 - 247	1	
34	Delay between modbus requests(secs)				0 - 5	0	
35	Delay before modbus retry requests (secs)				2 - 5	2	
36	Inter-character timing multiplier		1=Standard modbus timing		1 - 10	4	
5. Jnet COMMAND FUNCTIONS							
62	Network controlled Shutdown selection	oFF sh.dn	Disabled Enabled		0 - 1	oFF	
6. DISPLAY FUNCTIONS							
189	Backlight control	0 1 2 3	B.off BL.on BL.F.F BL.n.F	Backlight off Backlight on Backlight off, flashes for alarm Backlight on, flashes for alarm	0 - 3	B.off	



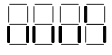


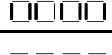

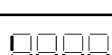
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7. CLOCK CALENDAR						
Note, the time and date can be displayed as standard or daylight saving (summer) time. This choice is made on item 18. When daylight saving is chosen and the controller is connected to a JTL Network Controller supporting daylight 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				2019 - 2048	
18	Daylight saving enable	Stnd dAY.S	Standard time Daylight saving time		0 - 1	Stnd
8. RESTORE FACTORY DEFAULT DATA						
9	Set default values	1234 1066	Set default values Write to NVRAM without delay			
9. RESTORE PARAMETERS FROM NETWORK						
To restore the data from the network first set appropriate unit number on item 1. Then check item 965 to see if this facility is available on the network. The information on item 965 is received from a network broadcast every few minutes. If the restore parameter facility is available and operational then item 965 will be set to a non zero number e.g. 2. To request restore parameters set item 964 to 1234. Item 963 displays the parameter restore progress. When all parameters are downloaded item 964 is cleared to 0.						
965	Master database port	0 1 - 4	Not in use NC port no			
964	Set restore parameters from network	1234	Request restore			
963	Parameter restore progress	rdy dnl.r din.p dnl.c FAIL	Restore function possible Restore requested Restore in progress Restore complete Restore fault			
959	Requested template	0 1 - 9999	As commissioned Template number		0 - 9999	
10. SYSTEM ALARMS						
For channel alarms see channel data (section 3) items 2x6 & 3x6 where x is the channel number.						
80	Group alarm 81-88	Graphical	See display data			
83	Honeywell communications failure	CLr H.C.FL	No fault Fault			
88	Unit number corrupted/not set	CLr Un.CF	No fault Fault			

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11. DIAGNOSTIC & TEST FUNCTIONS						
6	Jnet communications speed		kilo baud rate			
7	2 wire communications	HALF	2 wire			
967	Latest unit no polled on zone					
973	Latest polling interval This time shows the polling interval between the last two untimed broadcast message.	min:sec				
974	Time since last awake message	min:sec				
8	Bitswitch setting		Not used			
99	Test digital display	CLr SEt	Not active Test active		0 - 1	
10	Processor alarms (11-17)	Graphical	See display data			
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			

DISPLAY MESSAGES		RL310
NORMAL DISPLAY		
r310	Unit type	
ALARM TEXT (in descending priority order)		
LL.AL	Low level alarm on channel xx	
SP.AL	High level alarm spill on channel xx	
E.E.AL	Evacuation level alarm	
H.E.FL	Honeywell sensor fault	
H.C.FL	Honeywell communications fault	
FAIL	JTL network communications failure	
OTHER TEXT		
JTL	Start-up message	

GRAPHICAL DISPLAY OF BIT DATA		
Graphical display of bit data used on items where the data was shown previously as a decimal value	bit	Graphic
	None	
	1	
	2	
	3	
	4	
	5	
	6	
	7	
8	