DX AC Pak software VDX0104

	Item		Unit	Range	4 x 2	4 x 3	4 x 2	4 x 3
					4 fan		6 Fan	
00	Condenser air off temp.	D	°C					
01								
02	Superheated suction temp.	D	°C					
03	Superheated discharge temp.	D	°C					
04								
05								
06	Rate of change of suction pressure	D	Psi/min					
07								
08	Suction pressure		Psi					
09	Discharge pressure		Psi					
10	Max. no. stages compressor 1	S		0 to 3 (Note 1)	2	3	2	3
11	C1 run hours	S	Hrs/10	0000 to 6553				
12	C! stages on line	D						
13	C1 fault status	A		0= OK 1= Alarm				
14	C1 inhibit start timer	D	Sacs.					
15	Max. no. stages compressor 2	S		0 to 3 (Note 1)	2	3	2	3
16	C2 run hours	S	Hrs/10	0000 to 6553				
17	C2 stages on line	D						
18	C2 fault status	A		0= OK 1= Alarm				
19	C2 inhibit start timer	D	Secs.					
20	Max. no. stages compressor 3	S		0 to 3 (Note 1)	2	3	2	3
21	C3 run hours	S	Hrs/10	0000 to 6553				
22	C3 stages on line	D						
23	C3 fault status	A		0= OK 1= Alarm				
24	C3 inhibit start timer	D	Secs.					
25	Max. no. stages compressor 4	S		0 to 3 (Note 1)	2	3	2	3
26	C4 run hours	S	Hrs/10	0000 to 6553				
27	C4 stages on line	D						
28	C4 fault status	A		0= OK 1= Alarm				
29	C4 inhibit start timer	D	Secs.					
30	Fan stage 1, entry threshold	D	Psi					
31	Fan stage 2, entry threshold	D	Psi					
32	Fan stage 3, entry threshold	D	Psi					
33	Fan stage 4, entry threshold	D	Psi					
34	Fan stage 5, entry threshold	D	Psi	(See note 2)				
35	Fan stage 6, entry threshold	D	Psi	(See note 2)				
	36 to 39 not used							
40	Fan 1, exit threshold	D	Psi					
41	Fan 2, exit threshold	D	Psi					
42	Fan 3, exit threshold	D	Psi					
43	Fan 4, exit threshold	D	Psi					
44	Fan 5, exit threshold	D	Psi	(See note 2)				
45	Fan 6, exit threshold	D	Psi	(See note 2)				
	46 to 49 not used							
50	Suction Psi, dead band upper limit	S	Psi	20.0 to 80.0	60.0	25.0	60.0	25.0
51	Suction pressure, dead band	S	Psi	1.0 to 10.0	5.0	5.0	5.0	5.0
52	Conditional increase differential	S	Psi	0.0 to 10.0	5.0	4.0	5.0	4.0

A = Alarm, D = Display Only, S = Settable

NOTE: NOT UNDER DOCUMENTATION CONTROL

DX AC Pak software VDX0104

	Item		Unit	Range	4 x 2	4 x 3	4 x 2	4 x 3
					4 fan		6 Fan	
53	Conditional decrease differential	S	Psi	0.0 to 10.0	1.0	1.0	1.0	1.0
54	Change of suction Psi to inhibit decrease	S	Psi	0.0 to 5.0	5.0	5.0	5.0	5.0
55	Change of suction Psi to inhibit increase	S	Psi	-5.0 to 0.0	-3.0	-5.0	-3.0	-5.0
56	Desired capacity	S	Stages	0 to 100, 100=auto	100	100	100	100
57	Pump down pressure	S	Psi	2.0 to 50.0	15.0	5.0	15.0	5.0
58	Pump down dead band	S	Psi	2.0 to 20.0	10.0	5.0	10.0	5.0
59	Time to by-pass pump down on start	S	Sec	0 to 108	120	120	120	120
60	Min. condenser pressure (min)	S	Psi	60.0 to (max-20)	180	80	180	80
61	Max. condenser pressure (max)	S	Psi	(min +20) to 250	240	115	240	115
62	Min. dead band (DBn)	S	Psi	1.0 to (DBx -7.0)	10.0	2.0	10.0	2.0
63	Max. dead band	S	Psi	(DBn +7) to 25.0	17.0	10.0	19.0	10.0
64	Min. fan run time	S	Psi	30 to 180	120	120	120	120
65	No. of fans per condenser	D		4 / 6	4	4	6	6
66	Margin between fan effect and DB	S	Psi	1.0 to 9.0	2.0	2.0	2.0	2.0
67	Cooling mode by-pass timer	D	Sec					
68	Condenser fans running	D						
69								
70	Low suction pressure alarm limit	S	Psi	0.0 to 50.0	35.0	13.0	35.0	13.0
71	High suction pressure alarm limit	S	Psi	10.0 to 90.0	80.0	42.0	80.0	42.0
72	High discharge pressure alarm limit	S	Psi	160.0 to 300.0	280	220	280	220
73	Decrease interval	S	Sec	1 to 20	5	5	5	5
74	Demand validation period	S	Sec	3	3	3	3	3
75								
76	Discharge Psi to force capacity decrease	S	Psi	140 to 300	275	215	275	215
77	Heating offset to apply to min. condenser pressure	S	Psi	10 to 80	50	50	50	50
78	Heating offset to apply to max. condenser pressure	S	Psi	10 to 80	40	40	40	40
79	Sequential start timer	D	Sec					
80	Condenser fan fault	A		0= Ok, 1=Alarm				
81								
82	Low refrigerant	A		0= Ok, 1=Alarm				
83	More data needed	A		0= Ok, 1=Alarm				
84	Temperature sensor fault	A		0= Ok, 1=Alarm				
85	Data corrupted	A		0= Ok, 1=Alarm				
86	High discharge pressure offload	A		0= Ok, 1=Alarm				
87	Low suction pressure	A		0= Ok, 1=Alarm				
88	High suction pressure	A		0= Ok, 1=Alarm				
89	High discharge pressure	A		0= Ok, 1=Alarm				
90	Ram fault	A		0= Ok, 1=Alarm				
91	Rom fault	A		0= Ok, 1=Alarm				
92	Program counter fault	A		0= Ok, 1=Alarm				
93	SP fault	A		0= Ok, 1=Alarm				

A = Alarm, D = Display Only, S = Settable

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	Item		Unit	Range	4 x 2	4 x 3	4 x 2	4 x 3
					4 fan		6 Fan	
94	BNE fault	A		0= Ok, 1=Alarm				
95	WPRAM fault	A		0= Ok, 1=Alarm				
96	NOVRAM fault	A		0= Ok, 1=Alarm				
97	Software version	D		01:XX				
98	Load ROM default data	S			900	901	902	903
99	Unit number for RS485 comms fault	S		900.0 to 919.0	901.0	901.0	901.0	901.0

A = Alarm, D = Display Only, S = Settable

Note 1: If functions 10, 15, 20, 25 are set to 0 then the data for the associated compressor will show [- - - -].
Note 2: If the number of fans is set to 4 then functions 34, 35, 44 and 45 will show [----]

CPU Bit Switch Settings.

Pak Type	Bit 1	Bit 2
4 x 2 + 4 fans	Off	Off
4 x 3 + 4 fans	On	Off
4 x 2 + 6 fans	Off	On
4 x 3 + 6 fans	On	On
Switches 3 to 8 should be On		

I/O Card Bit Switch Allocation.

	O/P 2		O/P 1
8	Low level/High suction	8	Liquid line valve
7	Shop panel alarm	7	Inlet regulator + cond. split valves
6	Fan 1 start	6	Heat reclaim valve
5	Fan 2 start	5	N/A
4	Fan 5 start	4	Fan 3 start
3	Fan 6 start	3	Fan 4 start
2	C1 stage 3 unloaded (energized)	2	C1 start
1	C2 start	1	C1 stage 2 unloaded (energized)
8	C3 start	8	C2 stage 2 unloaded (energized)
7	C3 stage 2 unloaded (energized)	7	C2 stage 3 unloaded (energized)
6	C4 stage 2 unloaded (energized)	6	C3 stage 3 unloaded (energized)
5	C4 stage 3 unloaded (energized)	5	C4 start
4	N/A	4	N/A
3	N/A	3	N/A
2	N/A	2	N/A
1	N/A	1	N/A