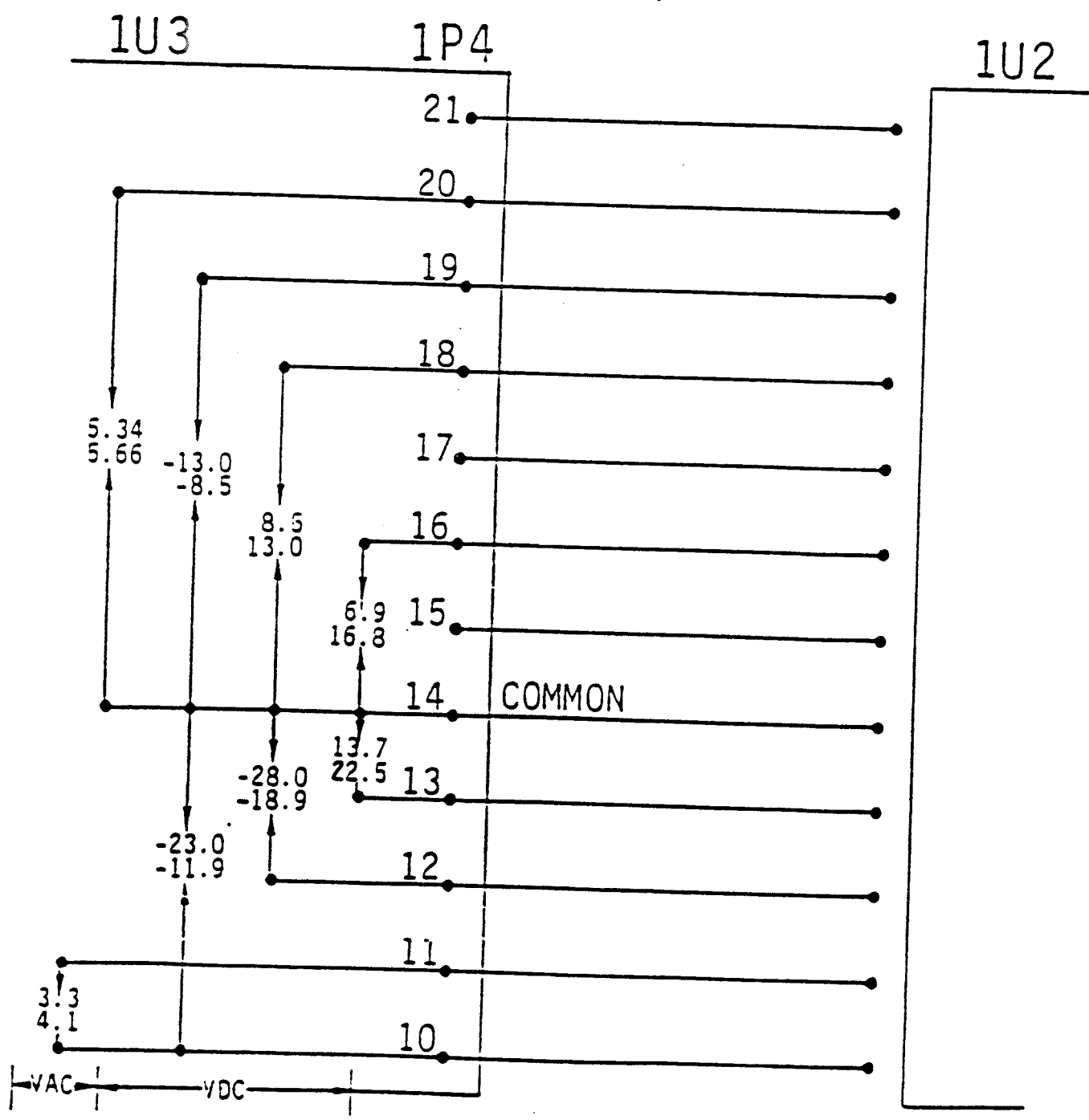
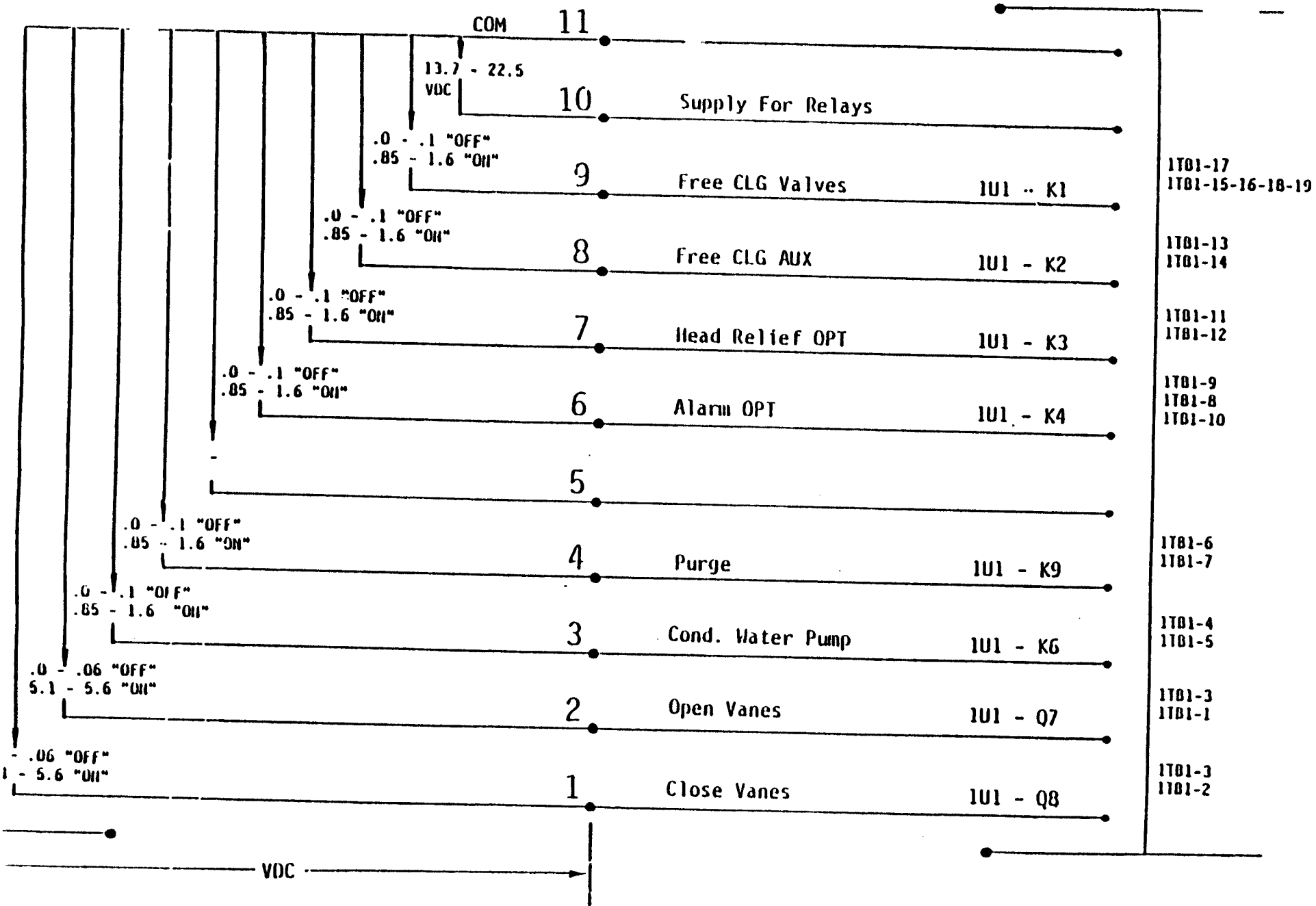


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POWER SUPPLY





CRANE UCP 695 TEST POINTS

RIBBON CONNECTOR 1P4 FOR 1U2 MODULE						<i>R/T. 14</i>
Terminal 1	Transition Off Transition On	0.0 TO 0.1 VDC 0.85 TO 1.6 VDC	<i>1)</i>			
Terminal 2	Oil Heater Off Oil Heater On	0.0 TO 0.1 VDC 0.85 TO 1.6 VDC	<i>1)</i>			
Terminal 3	Start Off Start On	0.0 TO 0.1 VDC 0.85 TO 1.6 VDC	<i>1)</i>			
Terminal 4	Oil Pump Off Oil Pump On	0.0 TO 0.1 VDC 0.85 TO 1.6 VDC	<i>1)</i>			
Terminal 5	Overload Off Overload On	0.0 TO 0.1 VDC 0.85 TO 1.6 VDC	<i>1)</i>			
Terminal 6	HPC Normal HPC Tripped	0.0 TO 0.7 VDC 6.0 TO 22.5 VDC	<i>1)</i>			
Terminal 7	Stop Relay Off Stop Relay On	0.0 TO 0.1 VDC 0.85 TO 1.6 VDC	<i>1)</i>			
Terminal 8	Reset Relay Off Reset Relay On	0.0 TO 0.1 VDC 1.0 TO 1.8 VDC	<i>1)</i>			
Terminal 9	Not Used					
Terminal 10	Filament Voltage	-23.0 TO -11.9 VDC 3.3 TO 4.1 VAC	<i>Ref Terminal 11</i>			
Terminal 11	Ref. for 1P4-10					
Terminal 12	-23 Volt Supply	-28.0 TO -18.9 VDC	<i>R/T. 14</i>			
Terminal 13	+12 Volt Supply	13.7 TO 22.5 VDC				
Terminal 14	+12 Volt Ground					
Terminal 15	Not Used					
Terminal 16	+12 V Unfiltered	6.9 TO 16.8 VDC	<i>1)</i>			
Terminal 17	+8 Volt Ground					
Terminal 18	+8 Volt Supply	8.5 TO 13.0 VDC	<i>1)</i>			
Terminal 19	-8 Volt Supply	-13.5 TO -8.5 VDC	<i>1)</i>			
Terminal 20	+5 Volt Supply	5.34 TO 5.66 VDC	<i>1)</i>			
Terminal 21	+5 Volt Ground					

NOTE: 1) UNLESS OTHERWISE INDICATED ALL VOLTAGES ARE MEASURED TO 1P4-14
 2) " * " INDICATES THIS VALUE IS MEASURED WITH RESPECT TO 1P4-11

TRANE UCP 695 TEST POINTS

RIBBON CONNECTOR 1P3 FOR 1U1 MODULE		
Terminal 1	Close Vanes Off Close Vanes On	0.0 TO 0.05 VDC 5.1 TO 5.6 VDC
Terminal 2	Open Vanes Off Open Vanes On	0.0 TO 0.05 VDC 5.1 TO 5.6 VDC
Terminal 3	Condenser Pump Off Condenser Pump On	0.0 TO 0.1 VDC 0.85 TO 1.6 VDC
Terminal 4	Purge Off Purge On	0.0 TO 0.1 VDC 0.85 TO 1.6 VDC
Terminal 5	Not Used	
Terminal 6	Alarm Off Alarm On	0.0 TO 0.1 VDC 0.85 TO 1.6 VDC
Terminal 7	Head Relief Off Head Relief On	0.0 TO 0.1 VDC 0.85 TO 1.6 VDC
Terminal 8	Free Cool Aux Off Free Cool Aux On	0.0 TO 0.1 VDC 0.85 TO 1.6 VDC
Terminal 9	Free Cool Valve Off Free Cool valve On	0.0 TO 0.1 VDC 0.85 TO 1.6 VDC
Terminal 10	Relay Supply	13.7 TO 22.5 VDC
Terminal 11	Ground	

NOTE: 1) ALL VOLTAGES ARE MEASURED WITH RESPECT TO 1P3-11
 2) VANE CONTROL OUTPUTS ARE TRIAC CONTROLLED AND MUST BE
 "LOADED" TO ATTAIN PROPER MEASUREMENT

TRANE UCP 695 TEST POINTS

DC VOLTS FOR CONNECTOR 1P1 FROM TRANSFORMER		
Terminal 1	Chassis Ground	
Terminal 3	FIL 2 (DC Offset)	-23.0 TO -11.9 VDC
Terminal 4	FIL 1 (DC Offset)	-23.0 TO -11.9 VDC
Terminal 5	XFMR FIL (DC Offset)	-23.0 TO -11.9 VDC

NOTE: ALL VOLTAGES ARE MEASURED WITH RESPECT TO 1P1-1

AC VOLTAGES FOR 1P1 FROM TRANSFORMER		
Terminal 1	Chassis Ground	
Terminal 2	XFMR (Chassis Common)	0.0
Terminal 3	FIL 2 (AC Component)	1.46 TO 2.04 VAC
Terminal 4	FIL 1 (AC Component)	1.46 TO 2.04 VAC
Terminal 6	XFMR -24 Output	14.2 TO 19.95 VAC
Terminal 7	Ref for 1P1-9 & 10	
Terminal 8	XFMR +12 Output	11.6 TO 16.9 VAC *
Terminal 9	Not Used	
Terminal 10	XFMR +5 Output	7.1 TO 10.5 VAC *

NOTE: 1) UNLESS OTHERWISE INDICATED ALL VOLTAGES ARE MEASURED TO 1P1-1
 2) " * " INDICATES THIS VALUE IS MEASURED WITH RESPECT TO 1P1-7