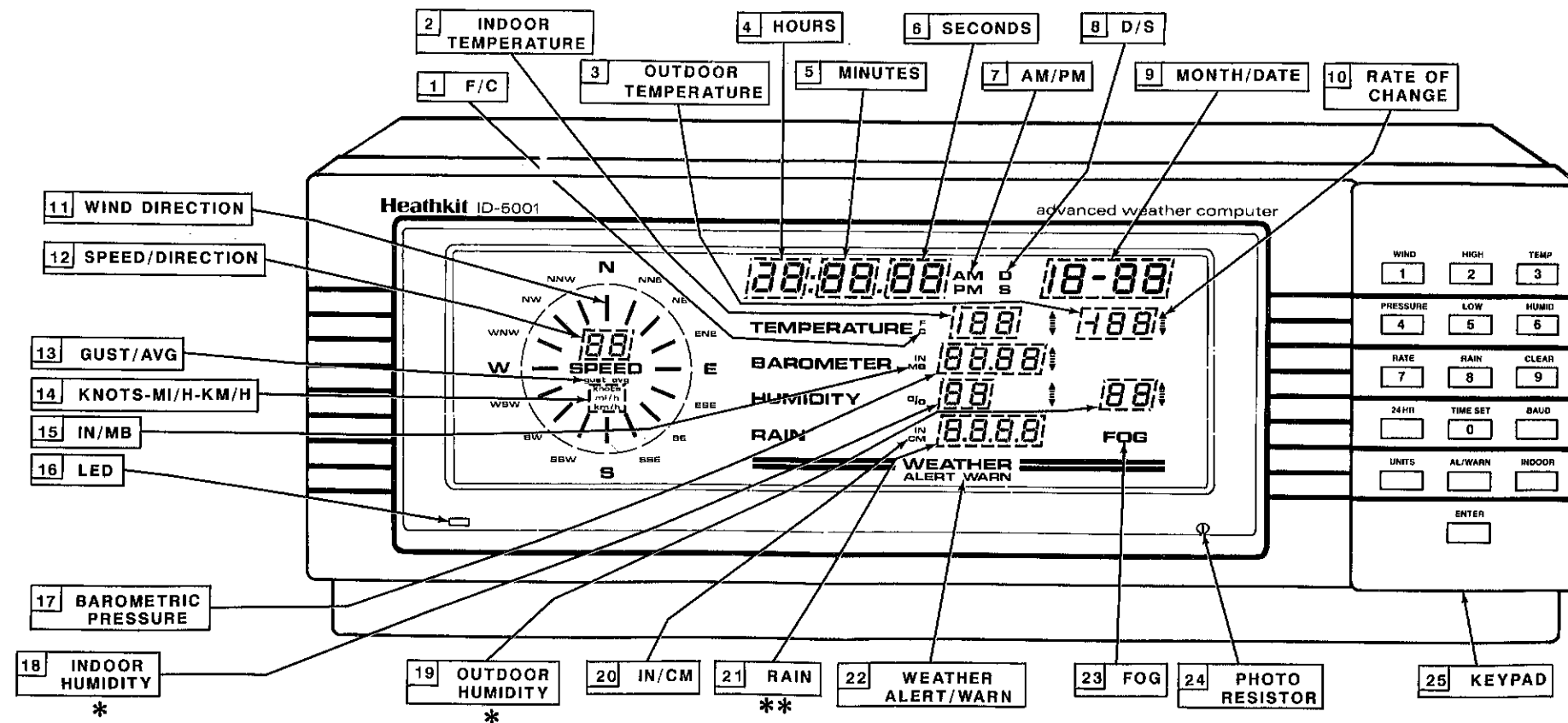


# ILLUSTRATION BOOKLET

for the ID-5001 Weather Computer Technical Manual

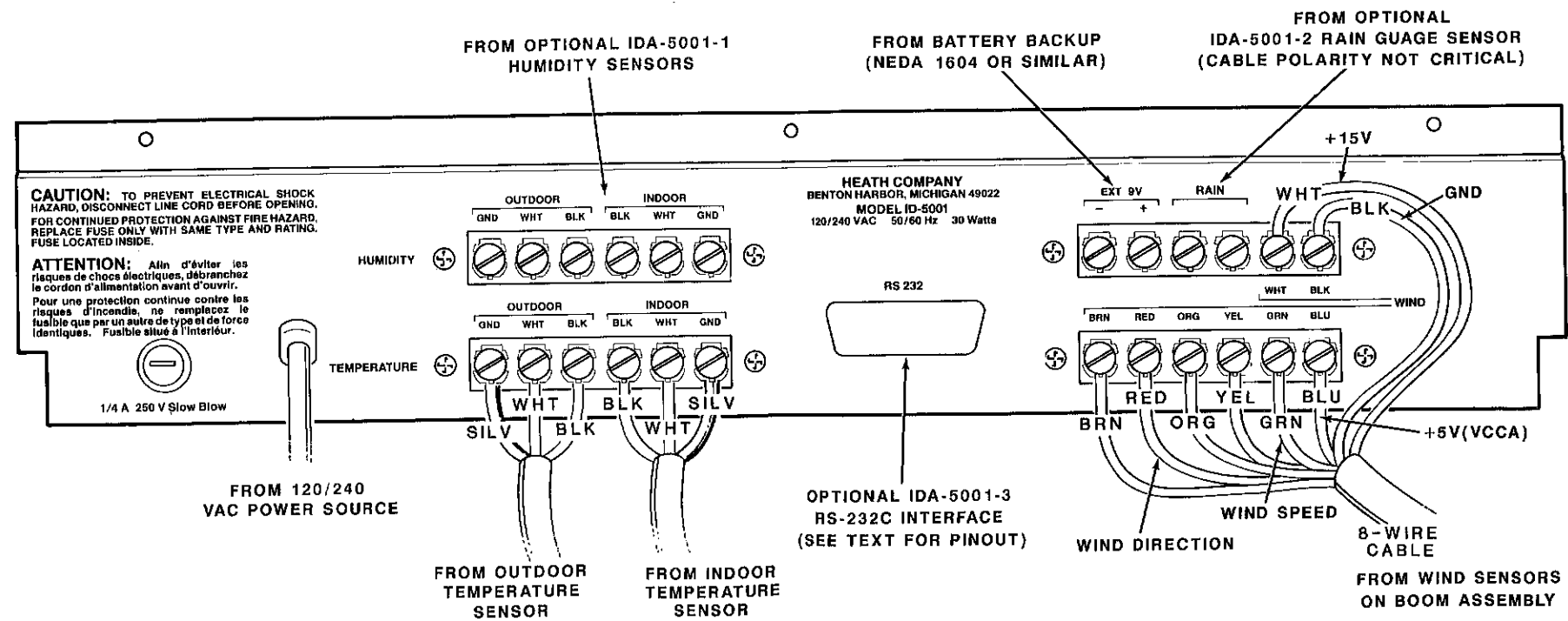
Part of 595-4245



PICTORIAL 3-1

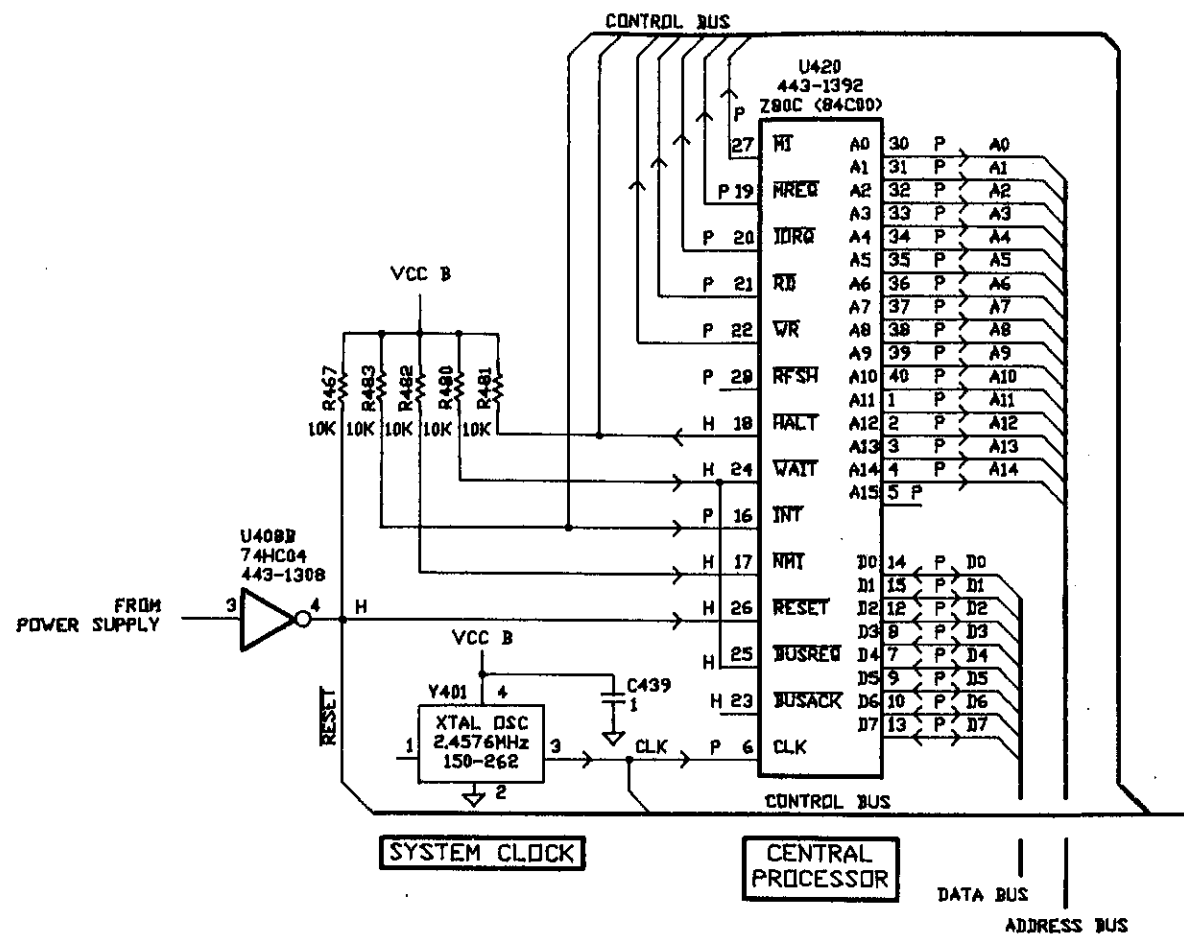
Front panel controls and indicators.

Model IDA-5001-4



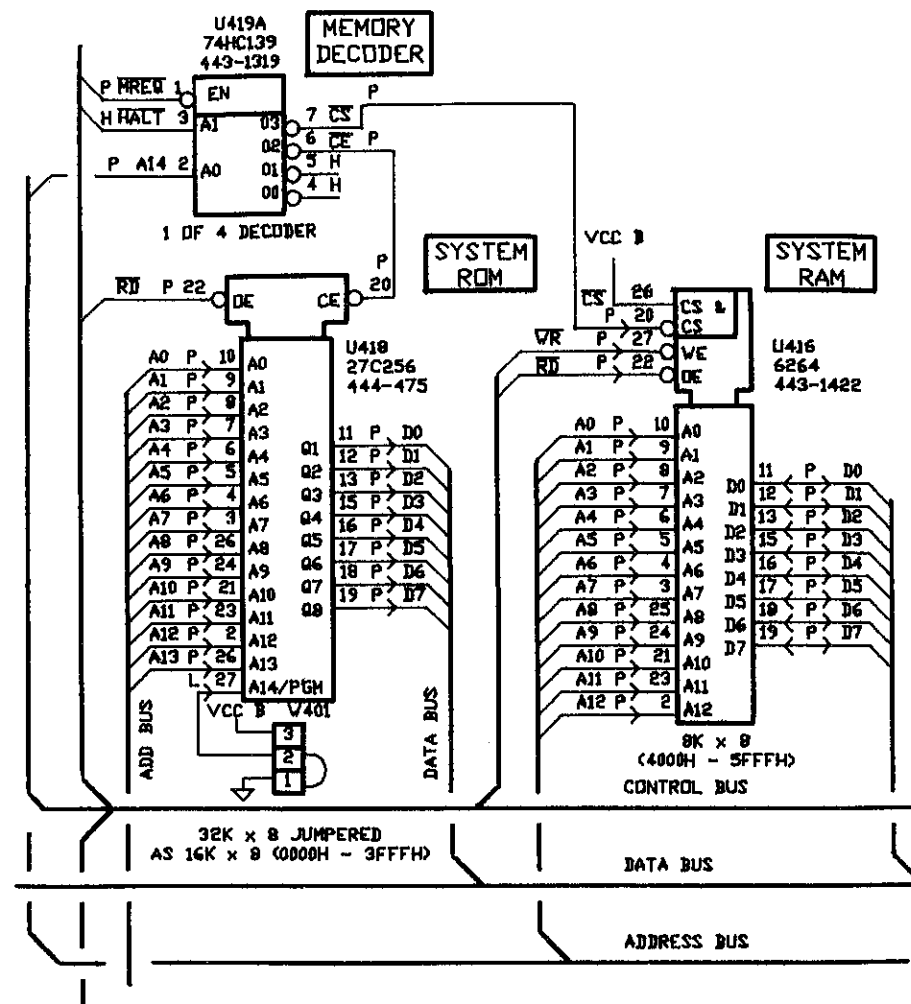
PICTORIAL 3-2

Rear panel connections.



PICTORIAL 5-1

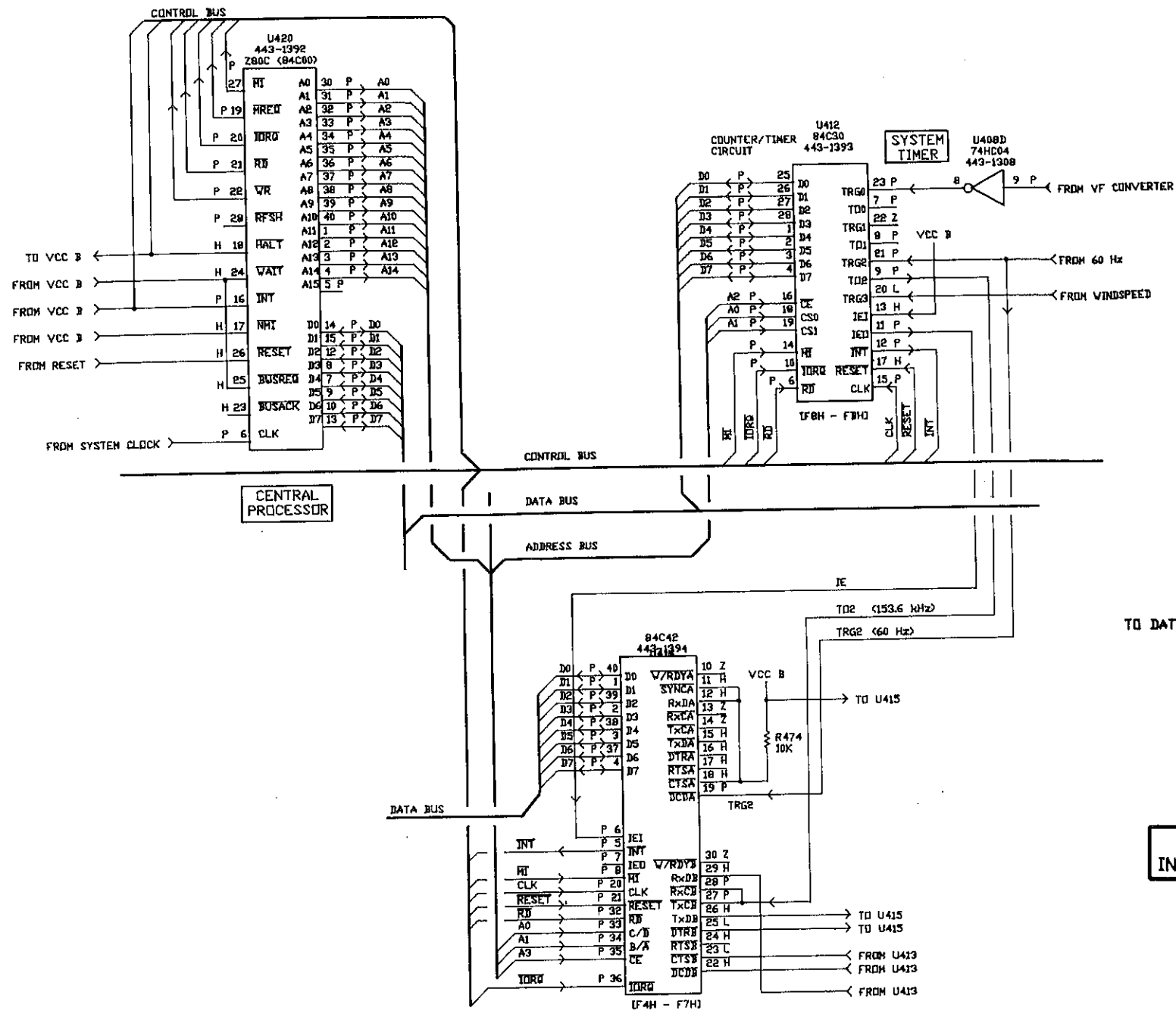
Central processor.



PICTORIAL 5-2

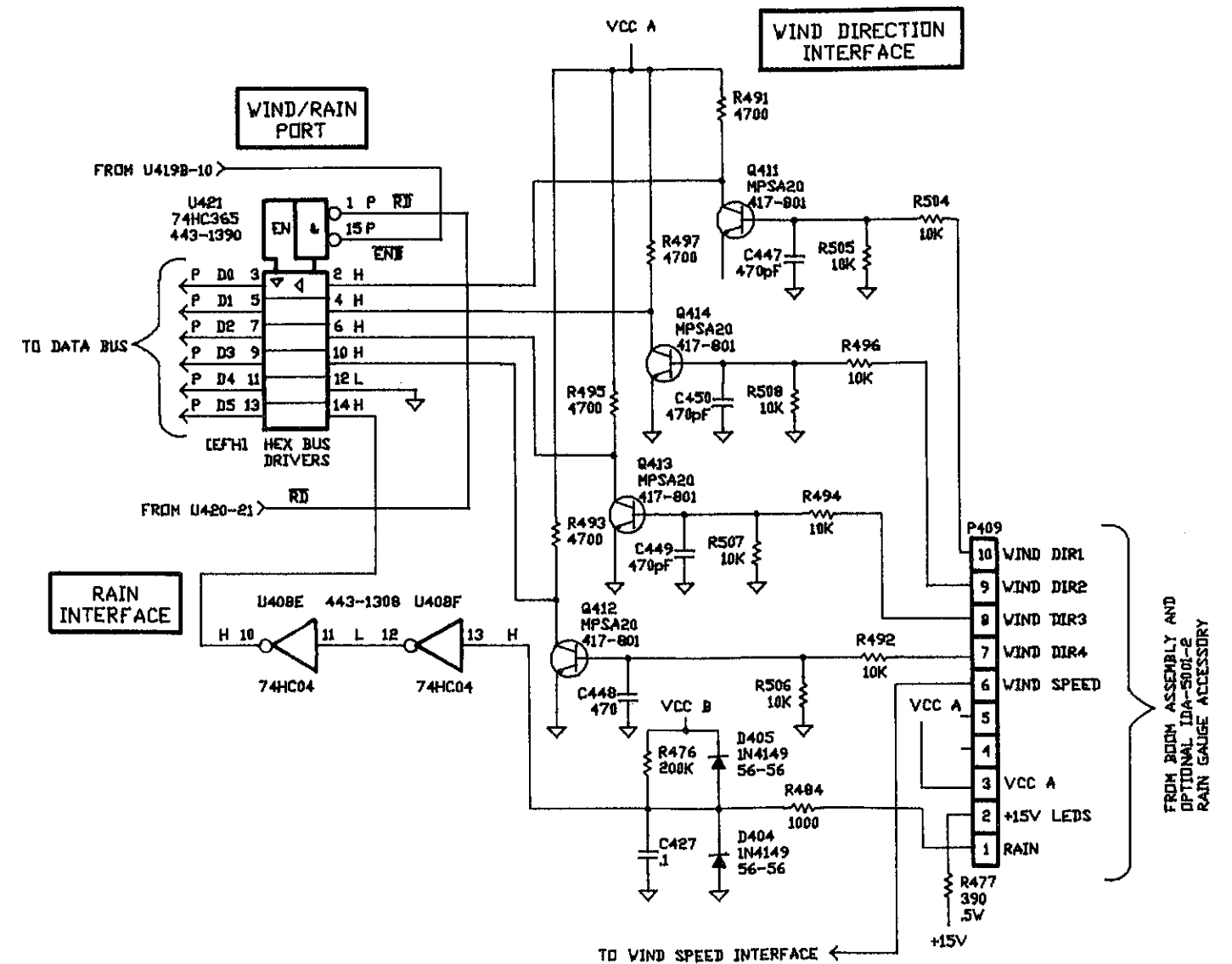
Memory circuits and ID-5001 memory map.

FFFF	8K	RAM IMAGE
E000		
DFFF	8K	RAM IMAGE
C000		
BFFF	16K	ROM IMAGE
A000		
9FFF	8K	RAM IMAGE
8000		
7FFF	8K	SYSTEM RAM U416
6000		
5FFF	8K	SYSTEM ROM U418
4000		
3FFF	16K	
2000		
1FFF		
0000		



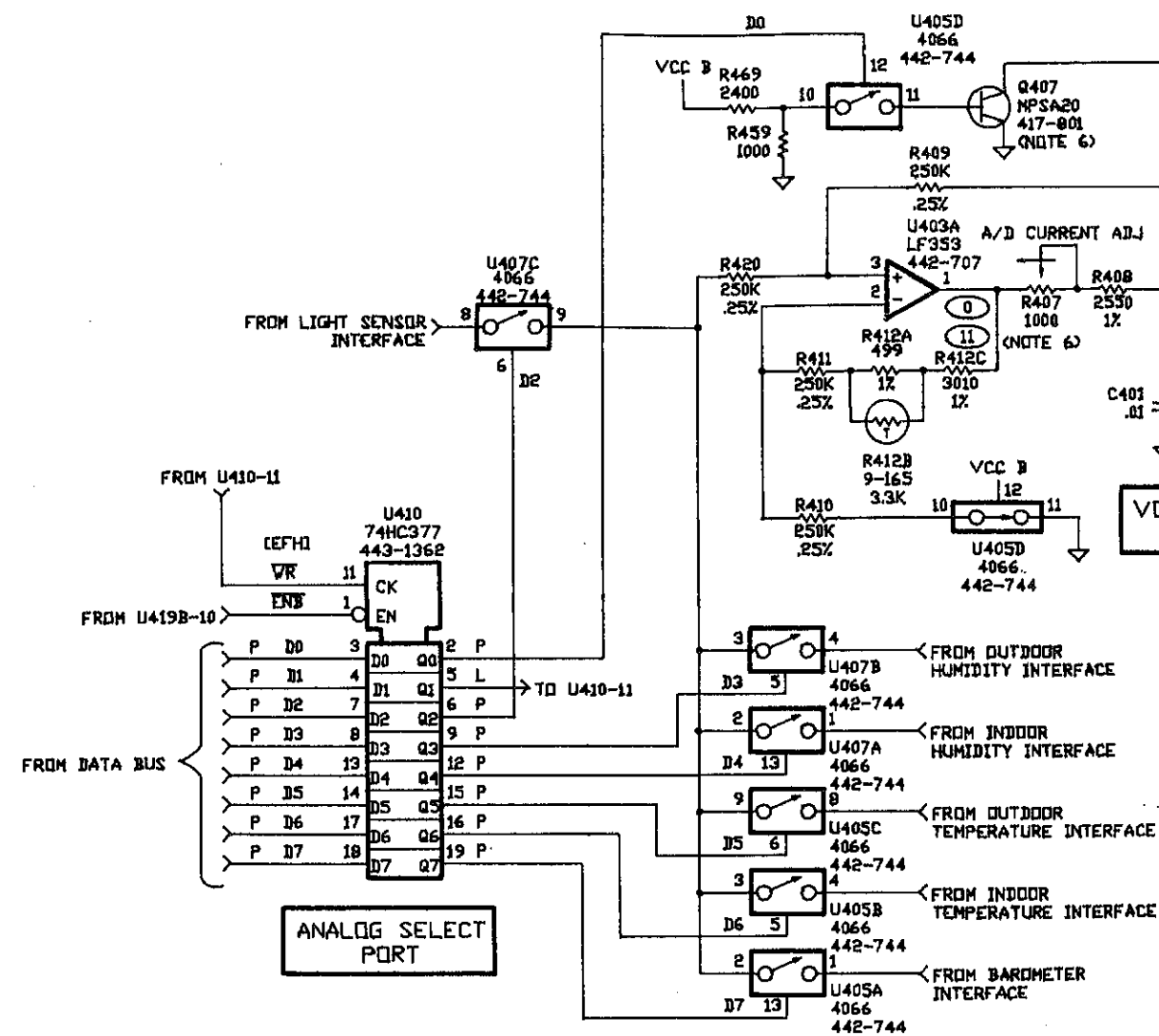
### PICTORIAL 5-3

**Interrupt circuits.**



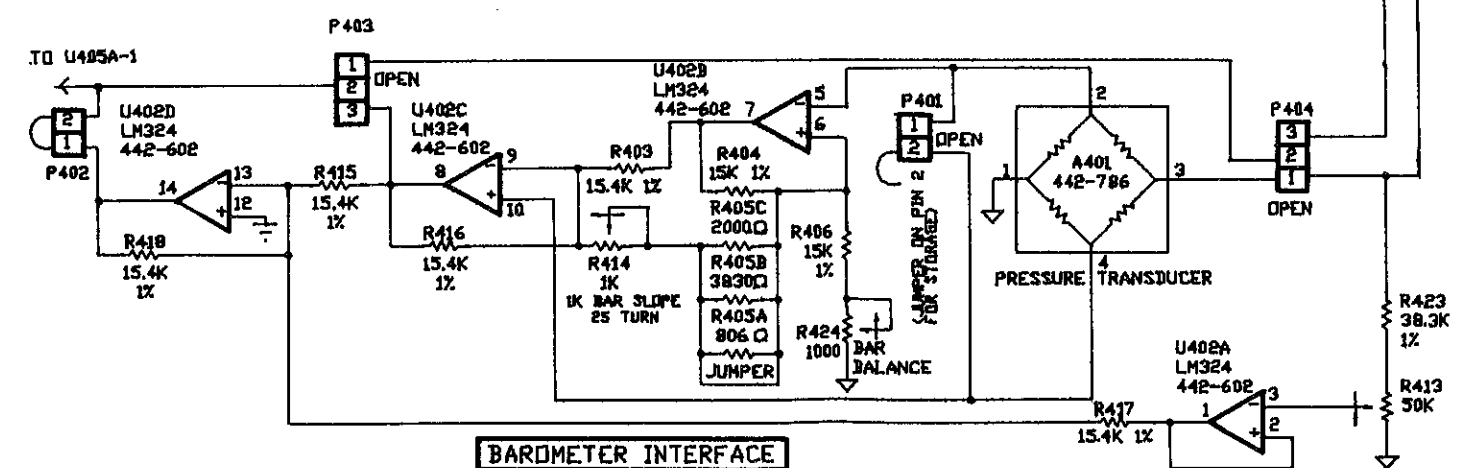
### PICTORIAL 5-4

Wind direction and rain sensors port.



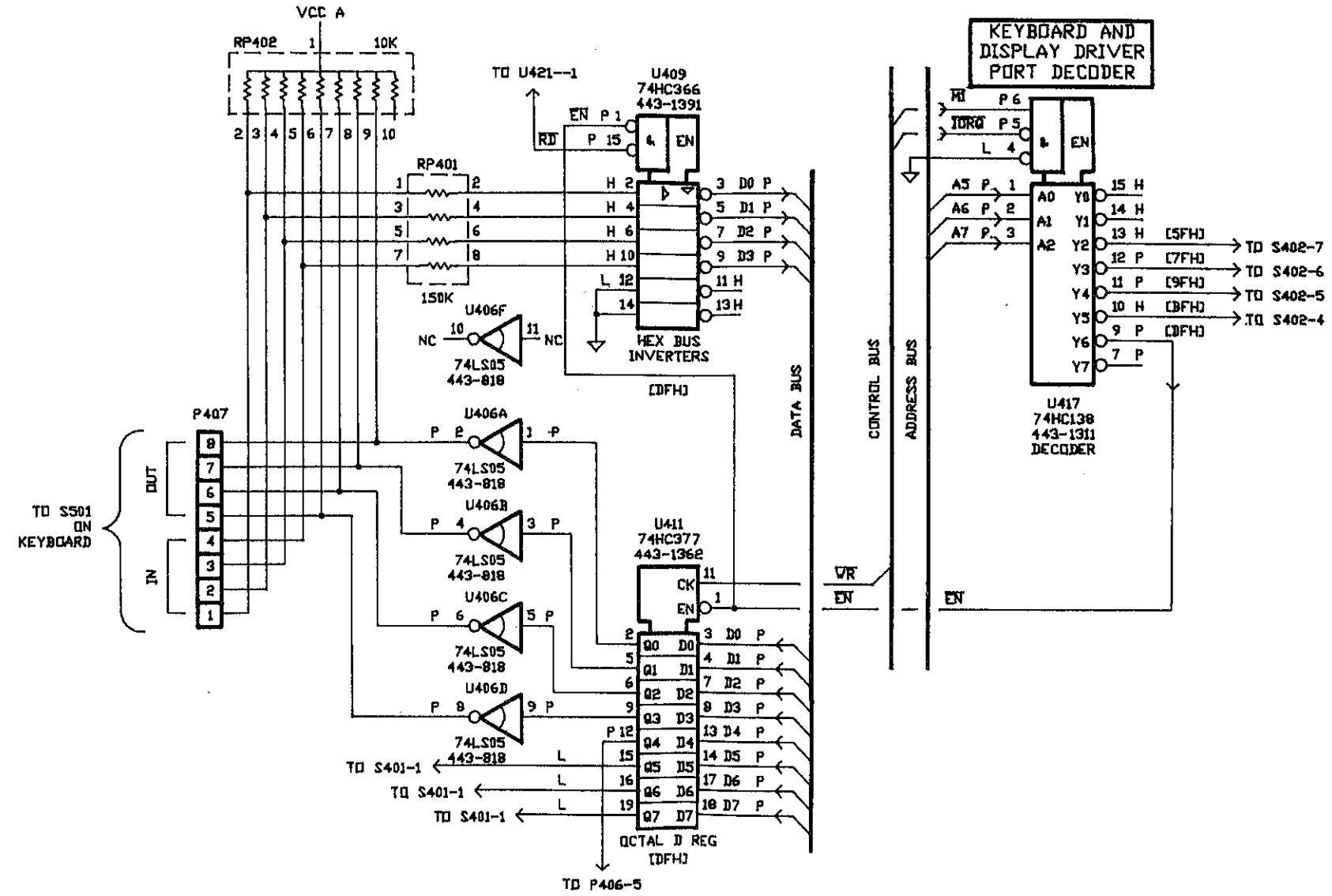
PICTORIAL 5-5

Analog select port and V.F. converter.



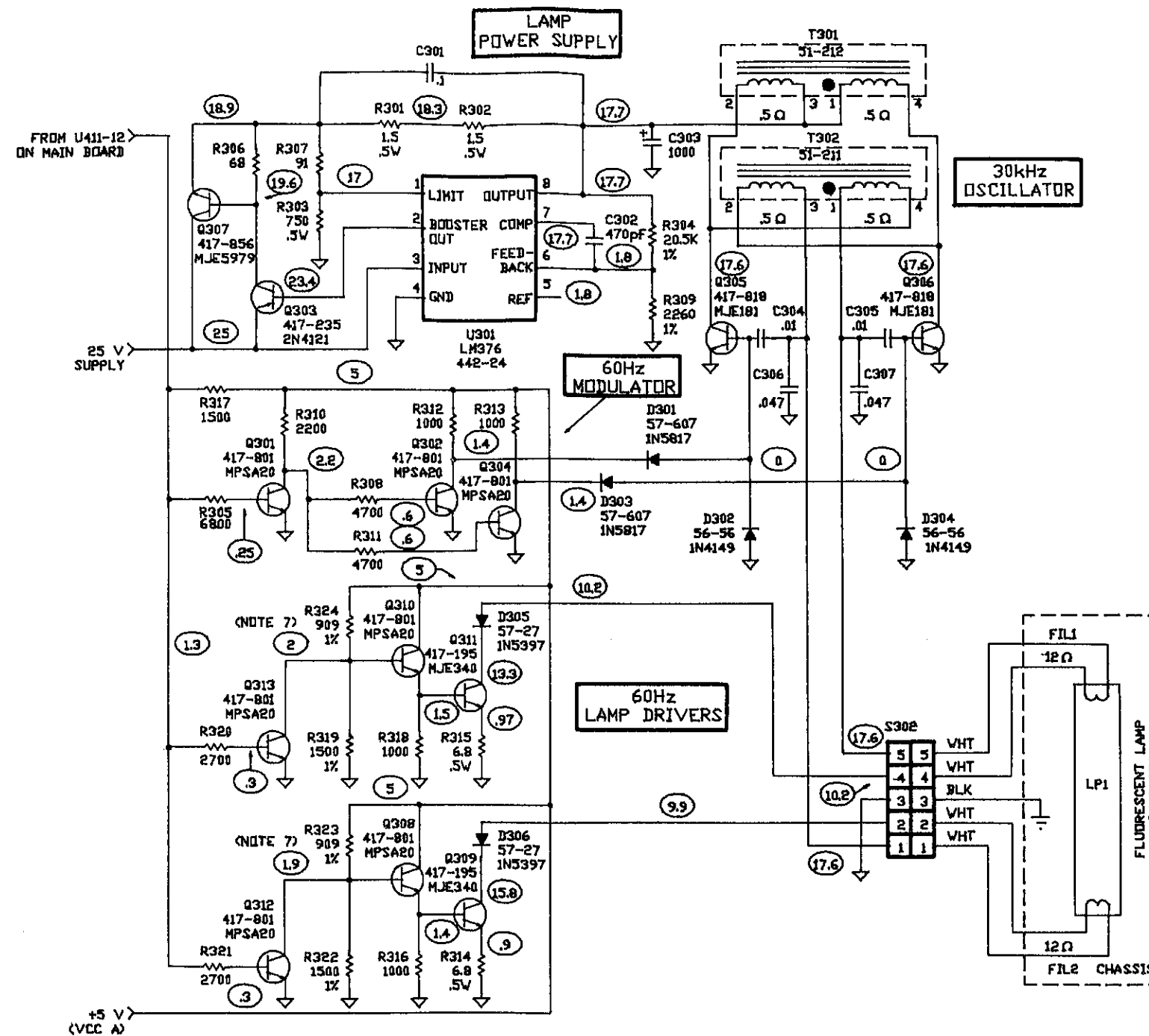
PICTORIAL 5-6

Barometer interface.



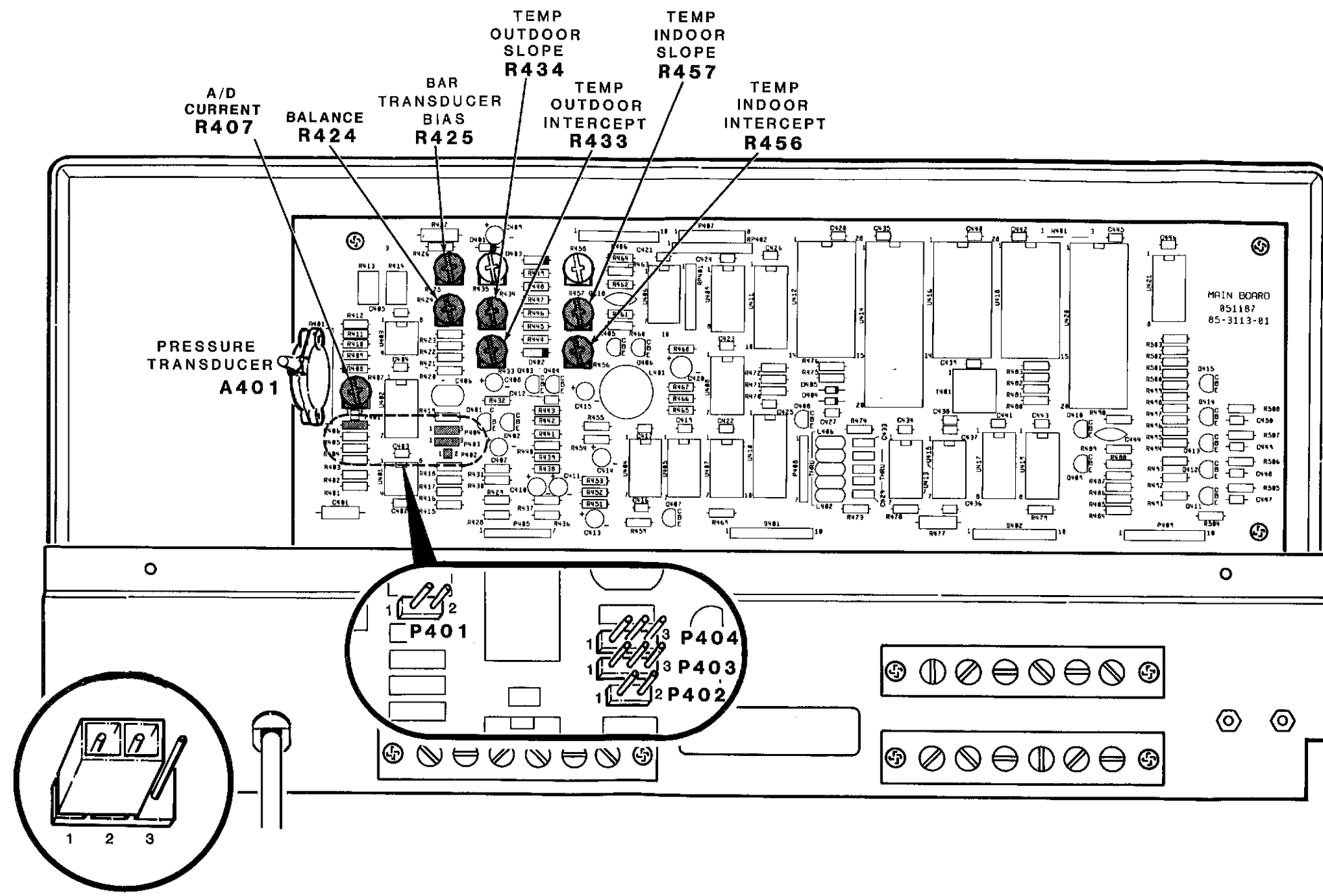
PICTORIAL 5-7

Keypad schematic diagram.



PICTORIAL 5-8

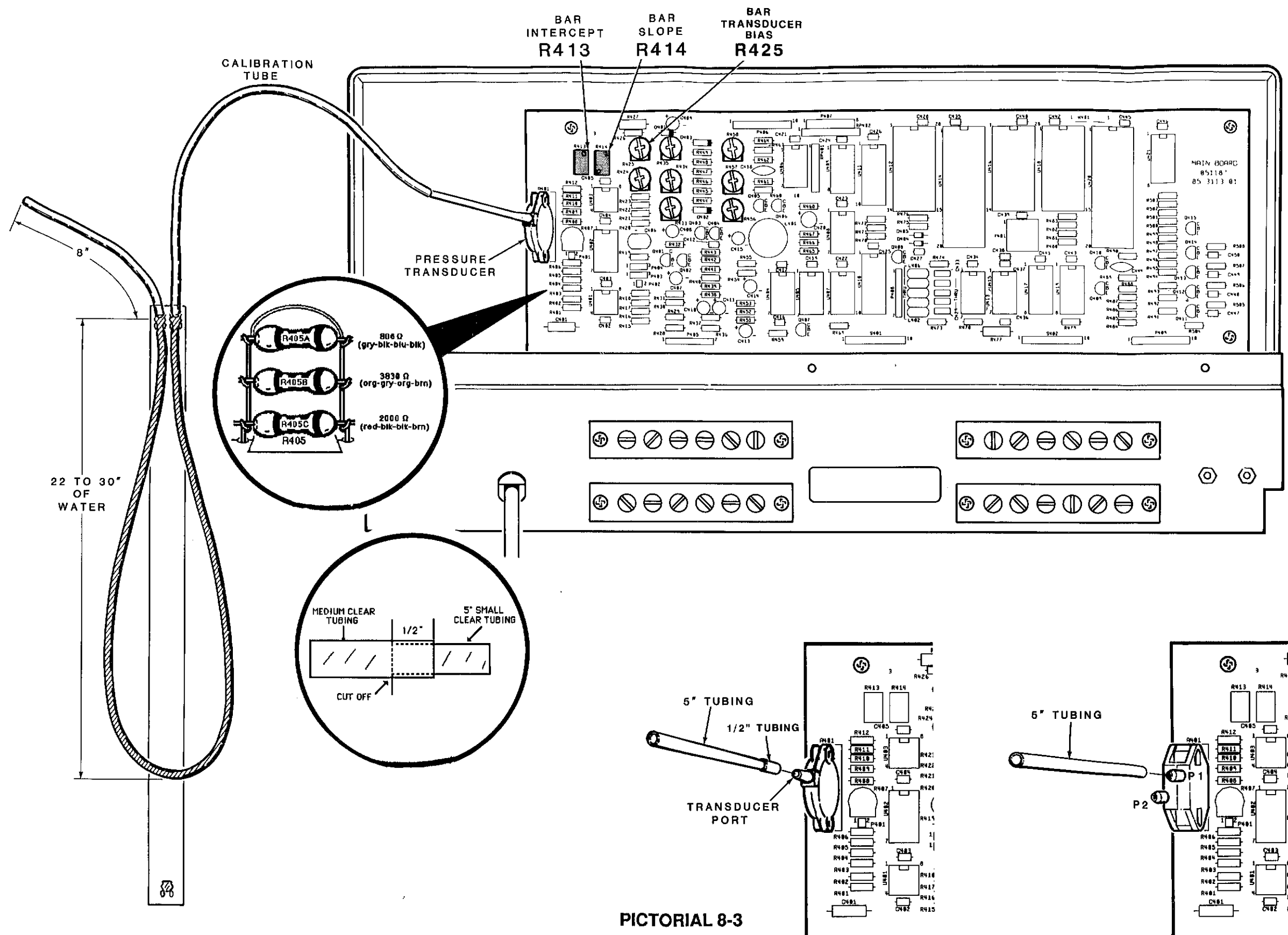
Fluorescent light circuits.



PICTORIAL 8-2

ID-5001-1 control and jumper locations.



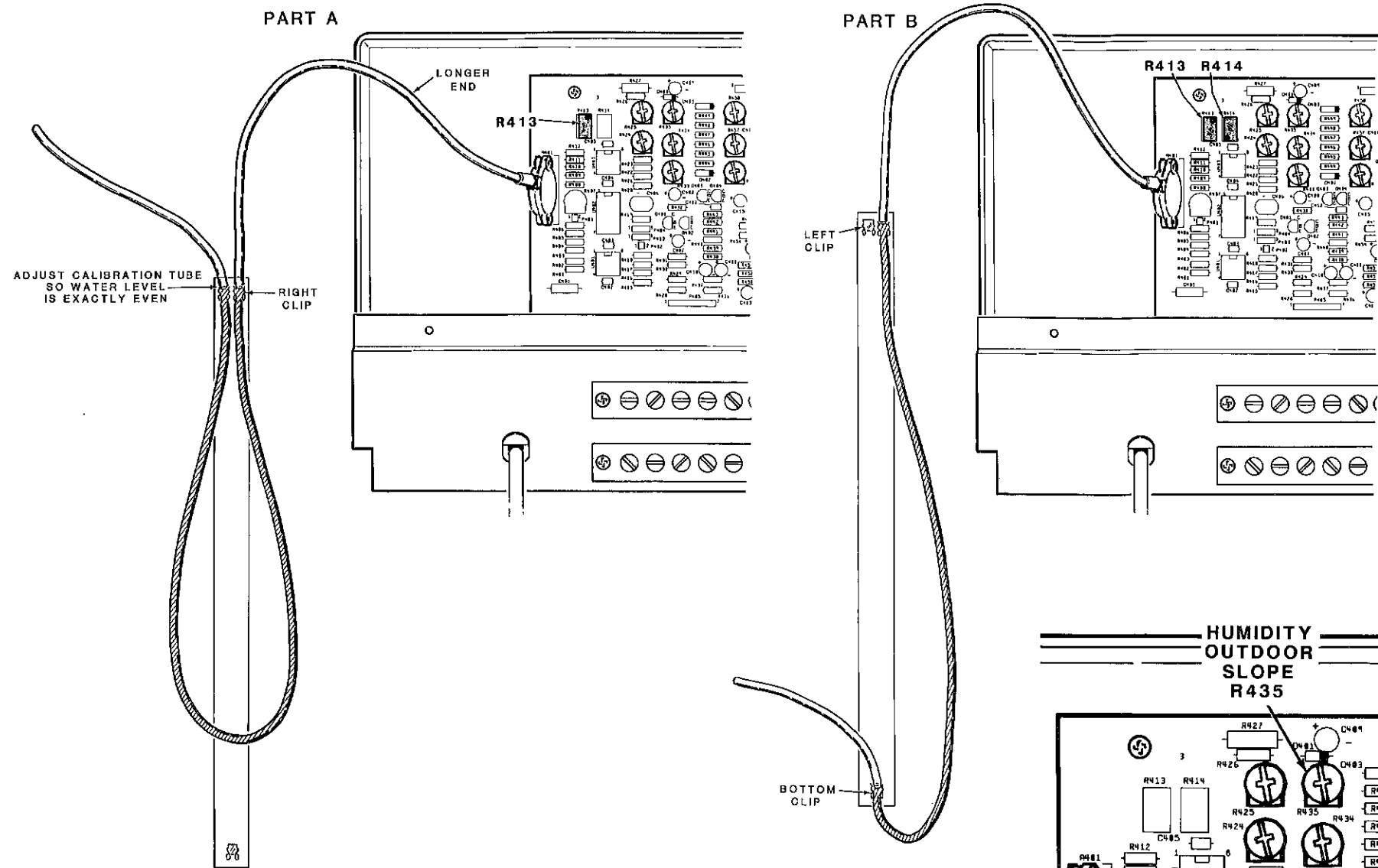


PICTORIAL 8-3

Calibration tube setup.

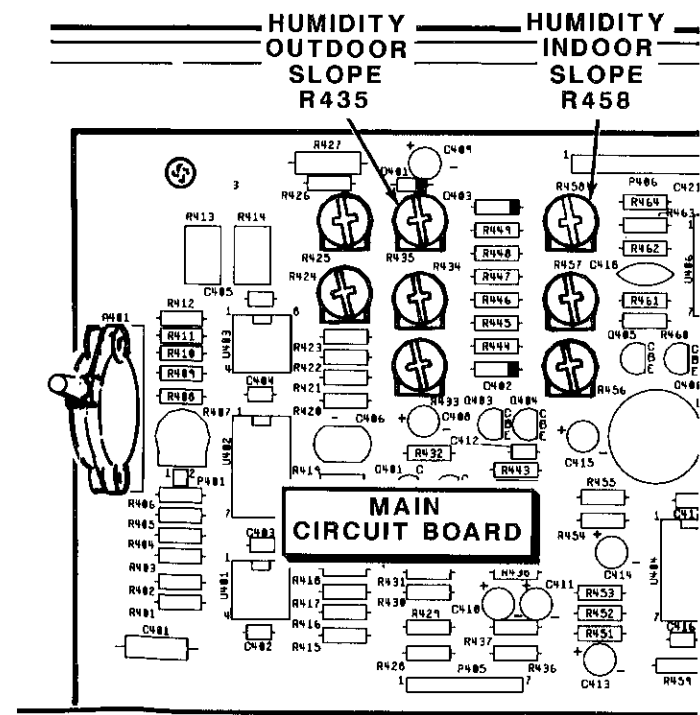
Detail A

Detail B

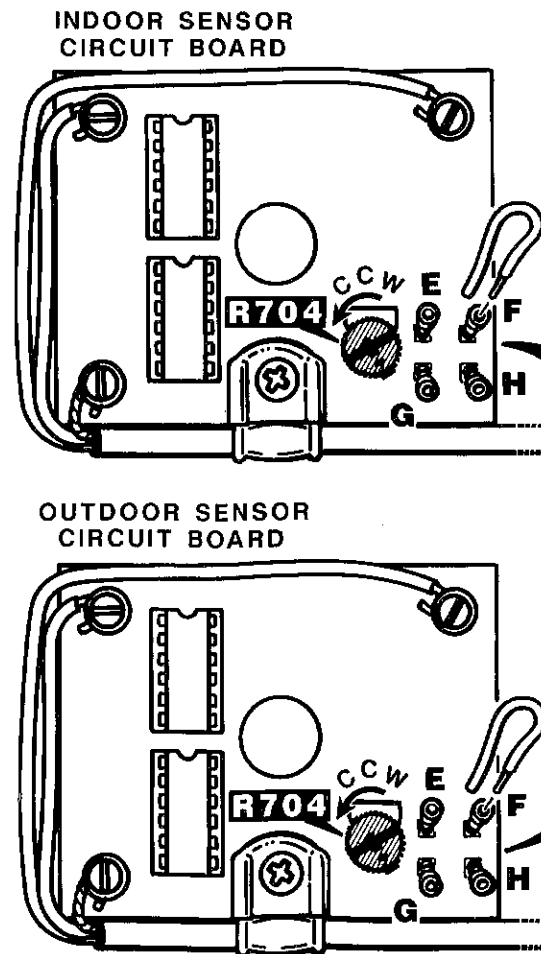


PICTORIAL 8-4

Final adjustment setup.



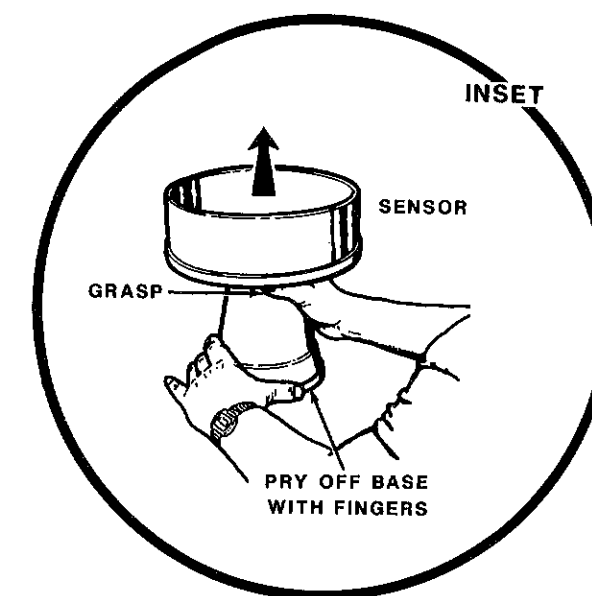
PICTORIAL 8-5



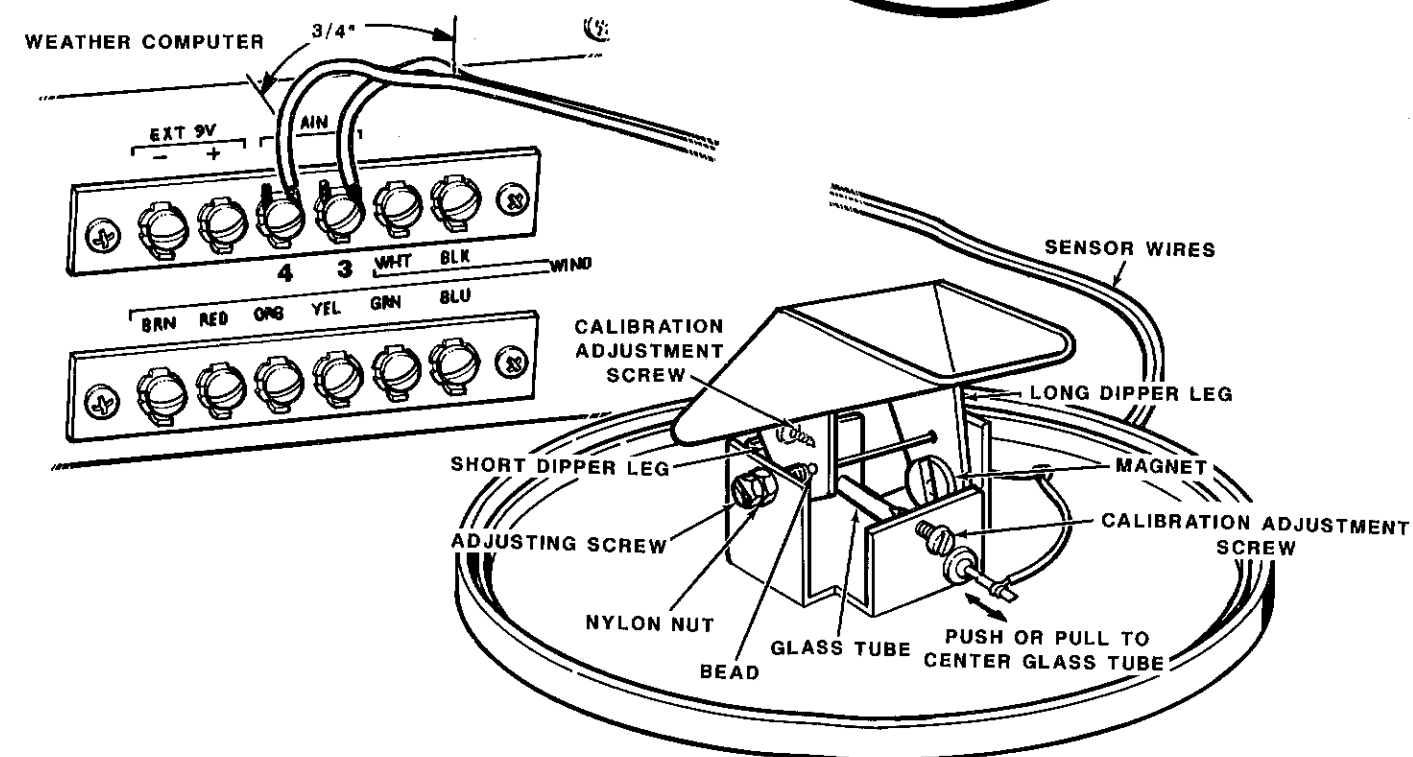
IDA-5001-1 Humidity Sensor control locations.

Evaporation Effect Readings °F

F	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
65	95	90	85	80	75	70	66	61	58	52	48	44	39	35	31	27	24	20	16	12	9	5	2									
66	95	90	85	80	75	71	66	61	57	53	48	44	40	36	32	29	25	21	17	14	10	7	3									
67	95	90	85	80	75	71	66	62	58	53	49	45	41	37	33	30	26	22	19	15	12	8	5	2								
68	95	90	85	80	76	71	67	63	58	54	50	46	42	38	34	31	27	23	20	16	13	10	6	3								
69	95	90	85	81	76	72	67	63	59	55	51	47	43	39	35	32	28	24	21	18	14	11	8	5	1							
Dry Bulb Readings °F	70	95	90	85	81	77	72	68	64	59	55	51	48	44	40	36	33	29	25	22	19	15	12	9	6	3						
	71	95	90	86	81	77	72	68	64	60	58	52	48	45	41	37	33	30	27	23	20	17	13	10	7	4	1					
	72	95	91	86	82	77	73	69	65	61	57	53	49	45	42	38	34	31	28	24	21	18	15	12	9	6	3					
	73	95	91	86	82	78	73	69	65	61	57	53	50	46	42	39	35	32	29	25	22	19	16	13	10	7	4	1				
	74	95	91	86	82	78	74	69	65	61	58	54	50	47	43	39	36	33	29	26	23	20	17	14	11	8	5	3				
	75	96	91	86	82	78	74	70	66	62	58	54	51	47	44	40	37	34	30	27	24	21	18	15	12	9	7	4	1			
	76	96	91	87	82	78	74	70	68	62	59	55	51	48	44	41	38	34	31	28	25	22	19	16	13	11	8	5	3			
	77	96	91	87	83	79	74	71	67	63	59	56	52	48	45	42	39	35	32	29	26	23	20	17	14	12	9	6	4			
	78	96	91	87	83	79	75	71	67	63	60	58	53	49	46	43	39	36	33	30	27	24	21	18	16	13	10	8	5			
	79	96	91	87	83	79	75	71	68	64	60	57	53	50	46	43	40	37	34	31	28	25	22	19	17	14	11	9	6			
80	96	91	87	83	79	75	72	68	64	61	57	54	50	47	44	41	38	35	32	29	26	23	20	18	15	12	10	7				
81	96	91	87	83	79	75	72	68	64	61	57	54	50	47	44	41	38	35	32	29	27	24	21	19	16	13	11	8				
82	96	92	88	84	80	76	72	69	65	61	58	55	51	48	45	42	39	36	33	30	28	25	22	20	17	14	12	10	7	5	2	
83	96	92	88	84	80	76	72	69	65	61	58	55	51	48	45	42	39	36	33	30	28	25	23	20	17	14	12	10	7	5	2	
84	96	92	88	84	80	76	73	69	66	62	59	56	52	49	46	43	40	37	35	32	29	26	24	21	19	16	14	12	9	7	5	3
85	96	92	88	84	80	76	73	69	66	62	59	56	52	49	46	43	41	38	35	32	30	27	25	22	20	17	15	13	10	8	6	4

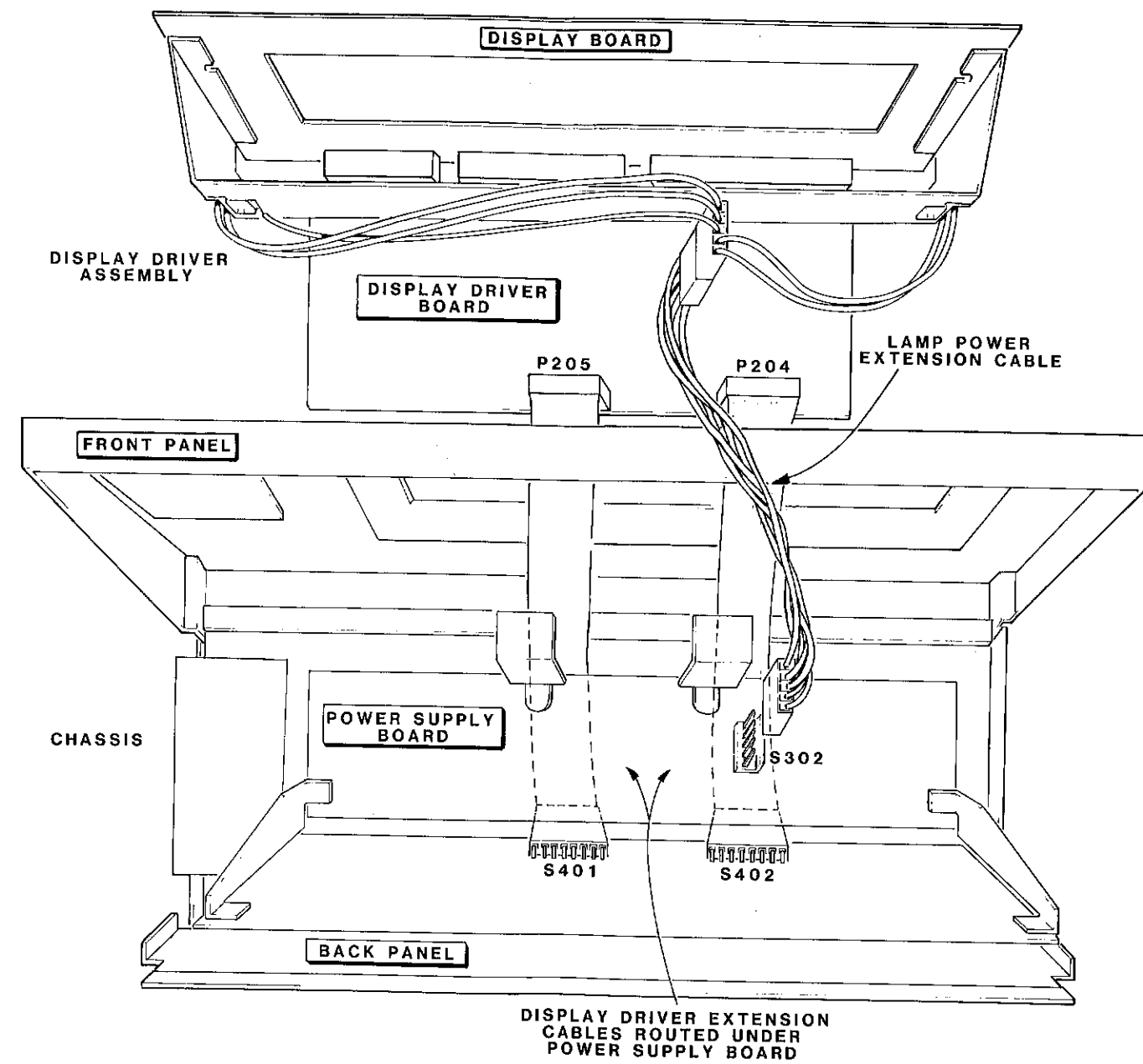


EVAPORATION EFFECT CHART



PICTORIAL 8-7

IDA-5001-2 component locations.



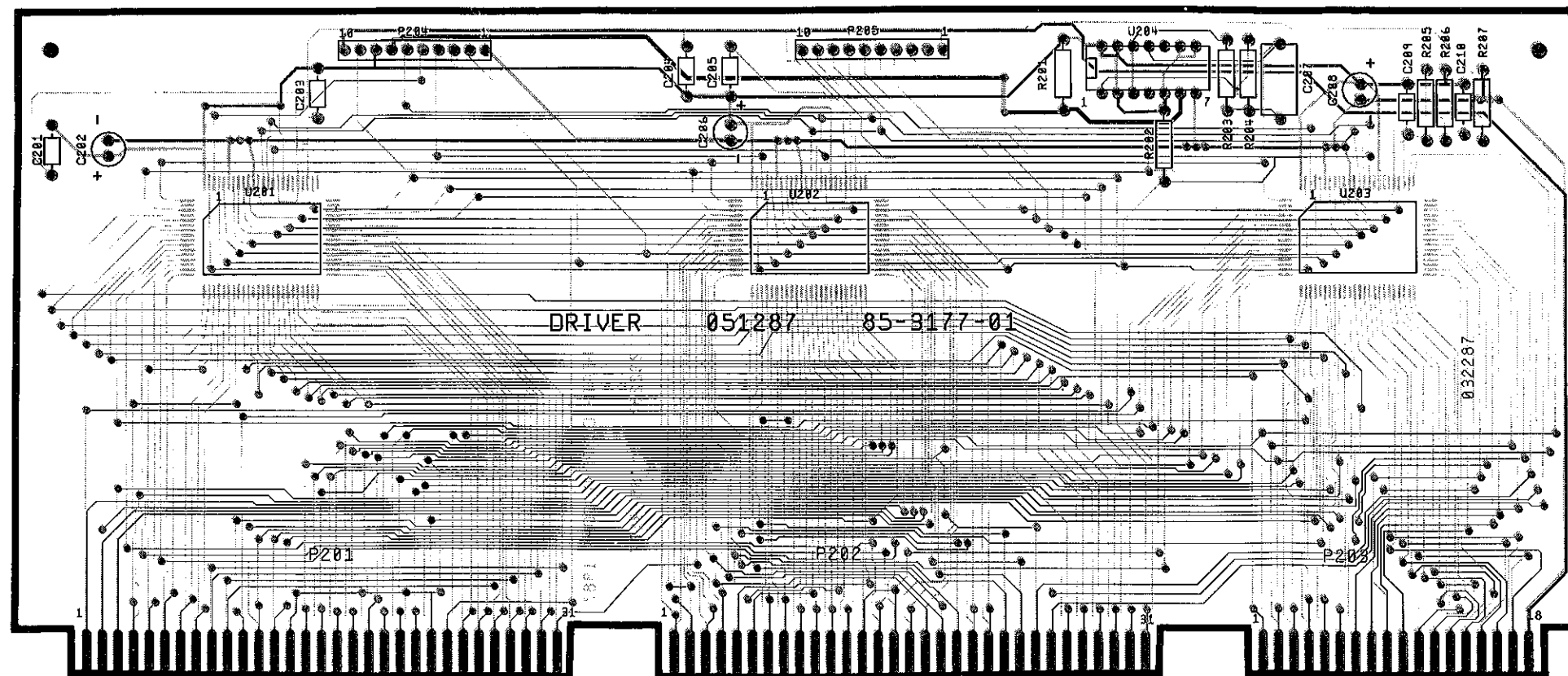
PICTORIAL 9-3

Display driver assembly setup.

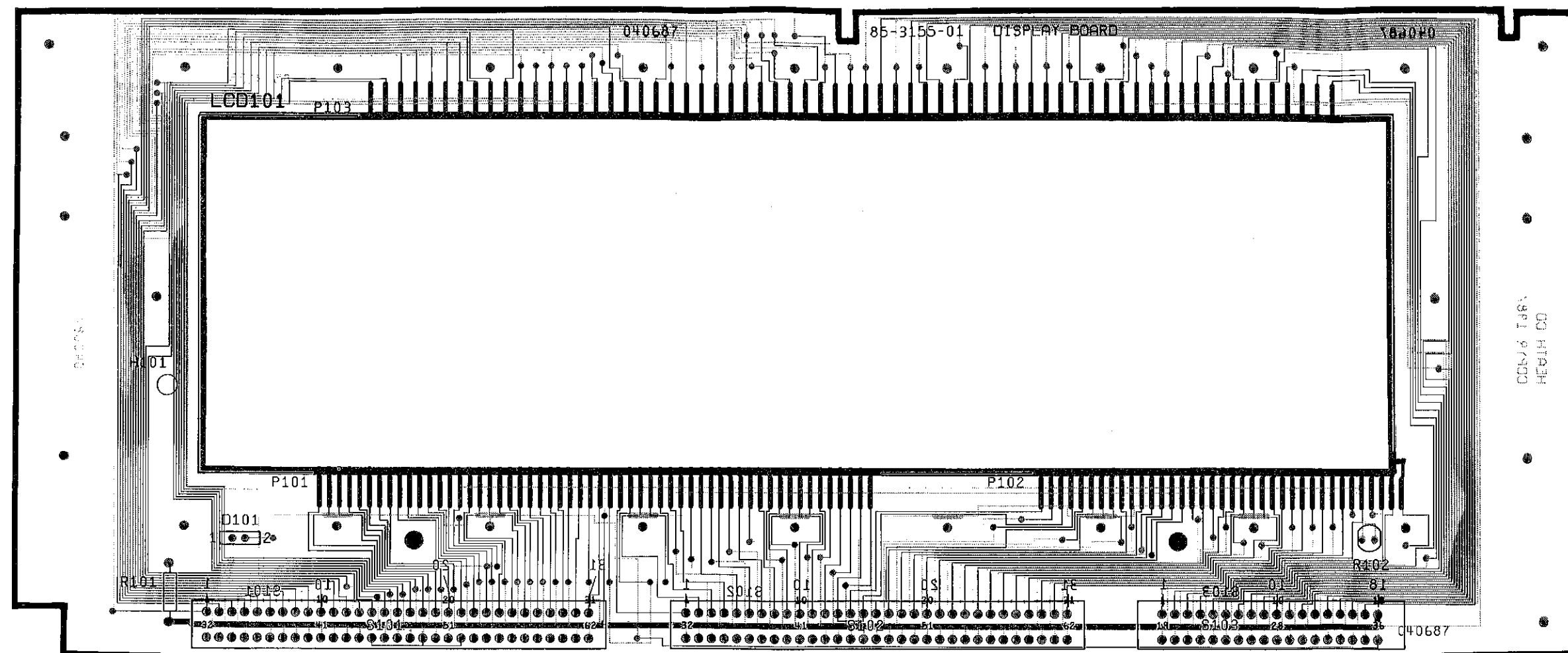
# CIRCUIT BOARD X-RAY VIEWS

To find the PART NUMBER of a component for the purpose of ordering a replacement part:

- A. Find the circuit component part number on the appropriate X-Ray View.
- B. Locate the same number in the "Circuit Component Number" column of the corresponding "Parts List."
- C. Adjacent to the circuit component number, you will find the DESCRIPTION and the PART NUMBER, which you must supply when you order a replacement part.

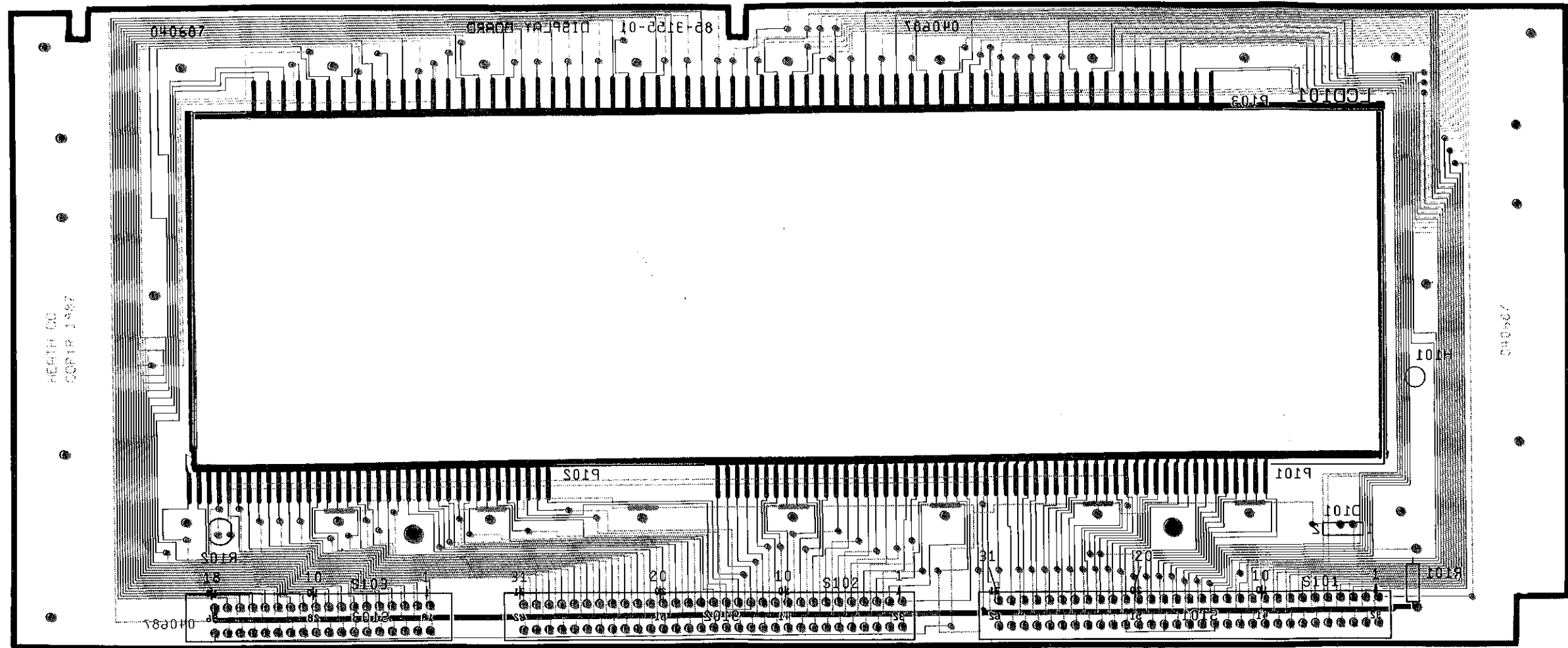






## DISPLAY CIRCUIT BOARD

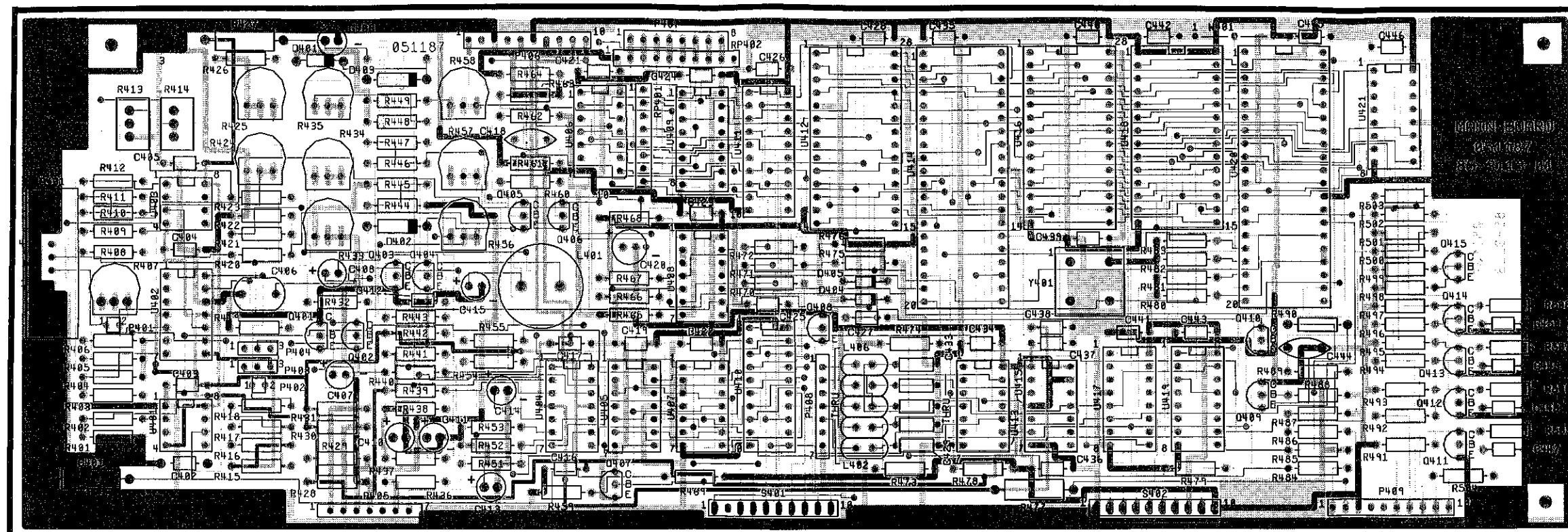
Shown from the component side. The component-side foils are shown in red.



## DISPLAY CIRCUIT BOARD

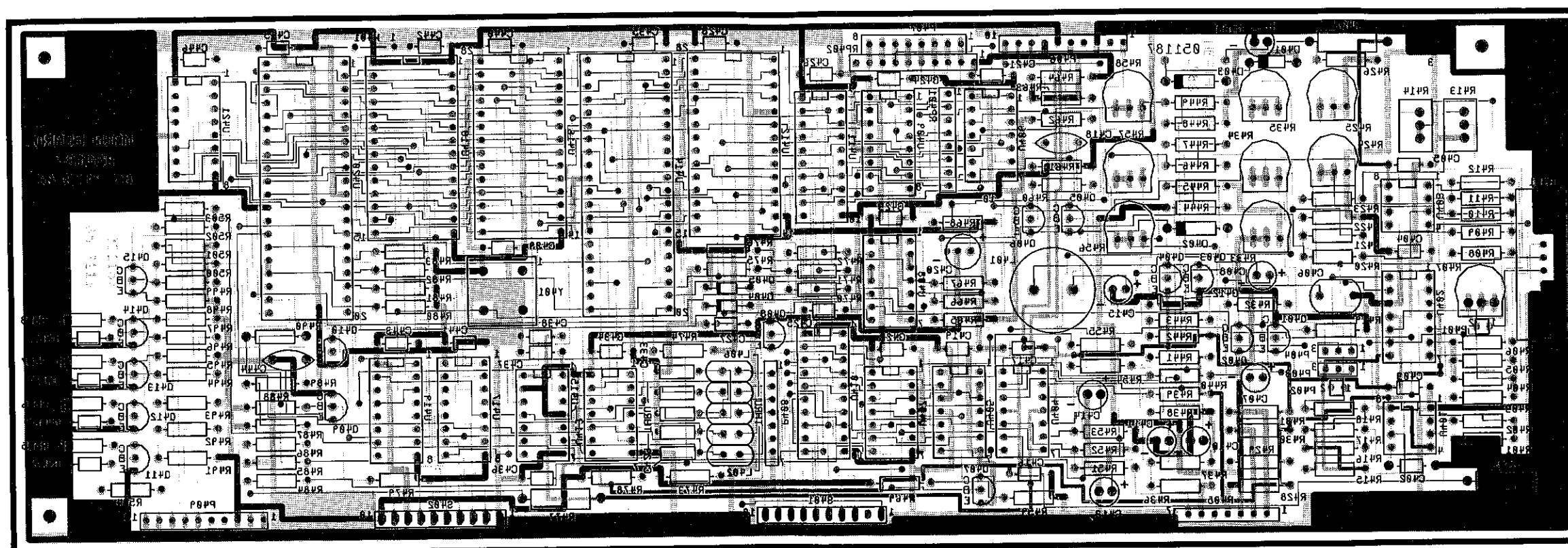
Shown from the foil side. The component-side foils are shown in red.





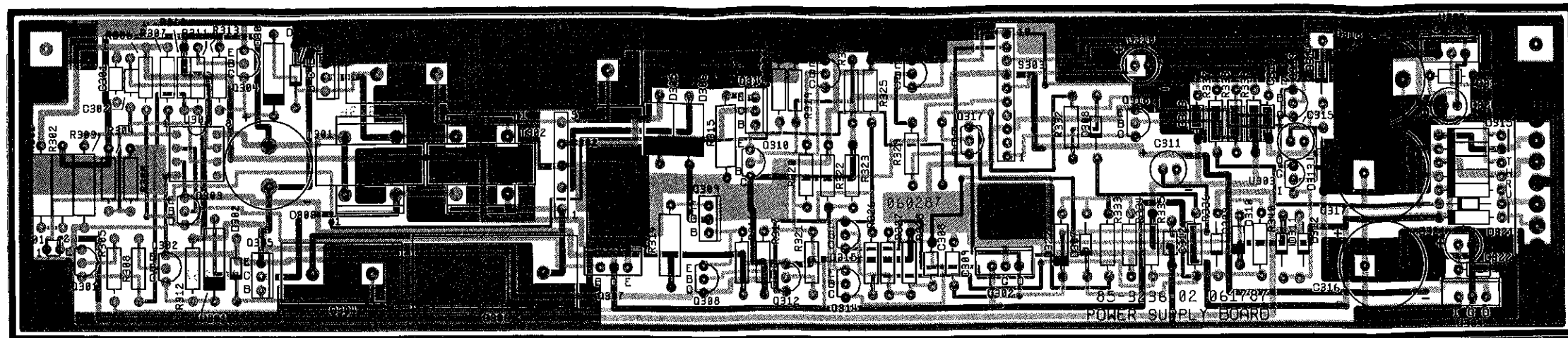
# MAIN CIRCUIT BOARD

Shown from the component side. The top foils are shown in red.



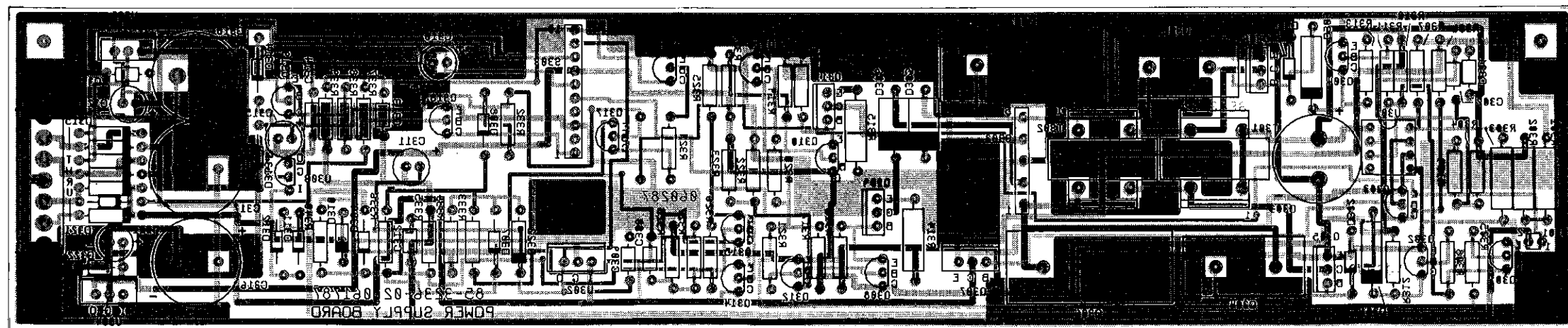
## MAIN CIRCUIT BOARD

**Shown from the foil side. The component-side foils are shown in red.**



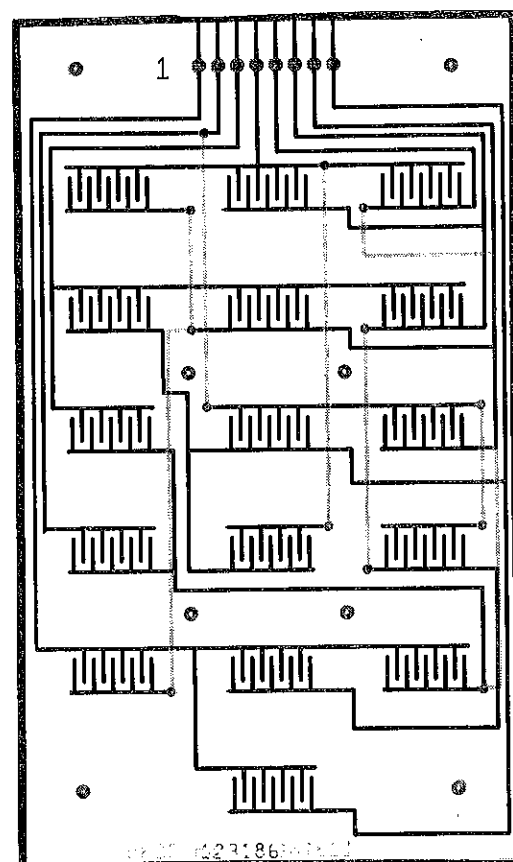
### POWER SUPPLY CIRCUIT BOARD

Shown from the component side. The top foils are shown in red.



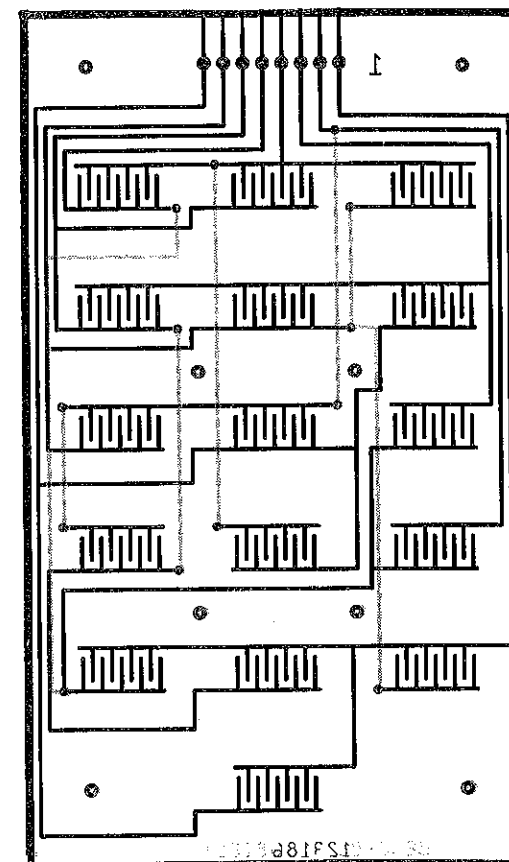
### POWER SUPPLY CIRCUIT BOARD

Shown from the foil side. The component-side foils are shown in red.



### KEYPAD CIRCUIT BOARD

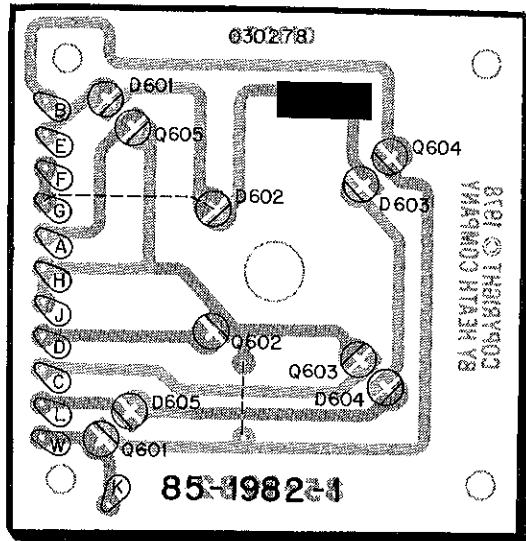
Shown from the component side. The component-side foils are shown in red.



### KEYPAD CIRCUIT BOARD

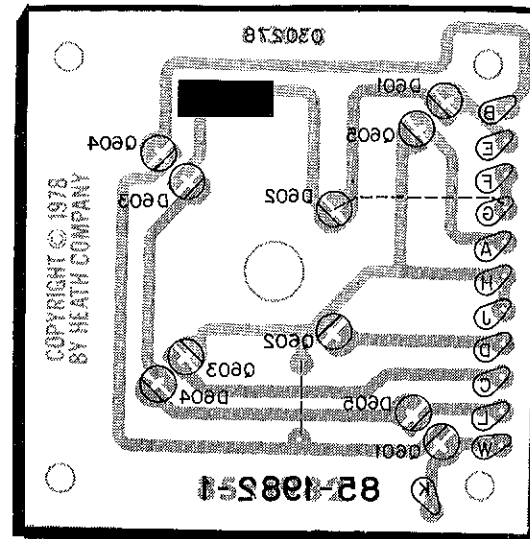
Shown from the foil side. The component-side foils are shown in red.

NOTE: The keyboard connector marked "#1" is "#8" in this product.



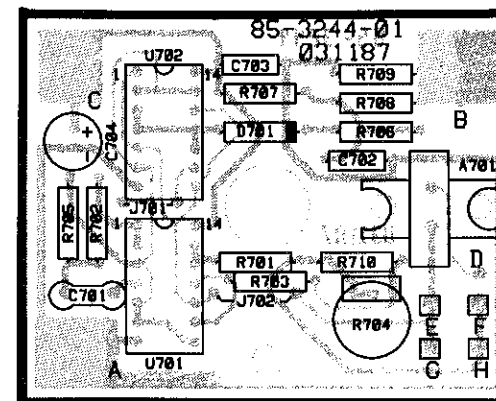
WIND SENSOR CIRCUIT BOARD

Shown from the component side.



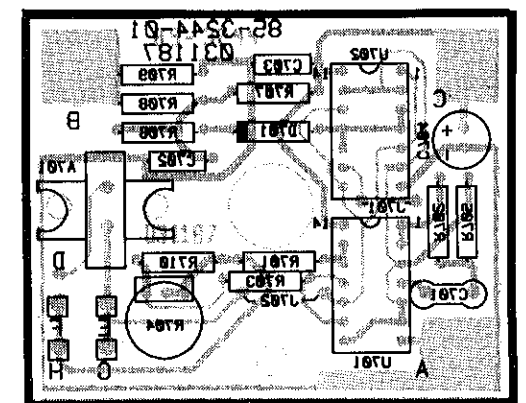
WIND SENSOR CIRCUIT BOARD

Shown from the foil side.



HUMIDITY SENSOR CIRCUIT BOARD

Shown from the component side.



HUMIDITY SENSOR CIRCUIT BOARD

Shown from the foil side.