



**Suppliers of Air Conditioning & Refrigeration
Control Equipment**

Unit 25/205-213 Port Hacking Rd Miranda 2228
Sydney Australia

Phone: +61 2 9522 0334 Fax: +61 2 9522 0337
www.mjbcontrols.com.au sales@mjbcontrols.com.au

Probe Resistance Vs Temperature Chart:

Temperature	Minimum	Centre	Maximum	Tolerance	
°C	(K Ohm)	(K Ohm)	(K Ohm)	°C	
-50	314.90	329.50	344.60	4.59%	0.74
-49	297.30	310.90	325.00	4.54%	0.74
-48	280.90	293.50	306.60	4.46%	0.73
-47	265.40	277.20	289.40	4.40%	0.73
-46	251.00	262.00	273.40	4.35%	0.72
-45	237.40	247.70	258.30	4.28%	0.72
-44	224.70	234.30	244.20	4.23%	0.71
-43	212.80	221.70	231.00	4.20%	0.71
-42	201.60	209.90	218.60	4.14%	0.70
-41	191.00	198.90	207.00	4.07%	0.70
-40	184.70	192.20	199.90	4.03%	0.69
-39	175.10	182.00	189.30	3.97%	0.69
-38	166.00	172.50	179.30	3.92%	0.68
-37	157.40	163.50	169.80	3.86%	0.68
-36	149.30	155.00	160.90	3.81%	0.67
-35	141.70	147.00	152.50	3.75%	0.67
-34	134.50	139.50	144.60	3.70%	0.66
-33	127.70	132.30	137.20	3.64%	0.66
-32	121.20	125.60	130.10	3.59%	0.65
-31	115.20	119.30	123.50	3.53%	0.65
-30	109.40	113.30	117.20	3.48%	0.64
-29	104.00	107.60	111.30	3.43%	0.64
-28	98.88	102.20	105.70	3.38%	0.63
-27	94.03	97.16	100.40	3.32%	0.63
-26	89.44	92.37	95.39	3.27%	0.62
-25	85.10	87.84	90.67	3.22%	0.62
-24	80.99	83.56	86.21	3.17%	0.61
-23	77.10	79.51	81.99	3.12%	0.61
-22	73.42	75.68	78.00	3.06%	0.60
-21	69.93	72.05	74.22	3.01%	0.59
-20	66.63	68.61	70.64	2.96%	0.59
-19	63.50	65.36	67.26	2.91%	0.58



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°C	(K Ohm)	(K Ohm)	(K Ohm)	°C	
-18	60.53	62.27	64.06	2.86%	0.58
-17	57.72	59.35	61.02	2.81%	0.57
-16	55.06	56.59	58.15	2.77%	0.56
-15	52.53	53.96	55.43	2.72%	0.56
-14	50.13	51.47	52.85	2.67%	0.55
-13	47.86	49.11	50.40	2.62%	0.55
-12	45.70	46.88	48.08	2.57%	0.54
-11	43.65	44.75	45.88	2.52%	0.53
-10	41.70	42.74	43.79	2.48%	0.53
-9	39.85	40.82	41.81	2.43%	0.52
-8	38.09	39.00	39.93	2.38%	0.51
-7	36.42	37.28	38.15	2.34%	0.51
-6	34.83	35.63	36.45	2.29%	0.50
-5	33.32	34.08	34.84	2.25%	0.49
-4	31.89	32.59	33.31	2.20%	0.49
-3	30.52	31.18	31.85	2.16%	0.48
-2	29.22	29.84	30.47	2.11%	0.47
-1	27.98	28.57	29.16	2.07%	0.47
0	26.81	27.35	27.90	2.02%	0.46
1	25.69	26.20	26.71	1.98%	0.45
2	24.62	25.10	25.58	1.93%	0.45
3	23.60	24.05	24.50	1.89%	0.44
4	22.63	23.05	23.47	1.85%	0.43
5	21.70	22.10	22.50	1.80%	0.42
6	20.82	21.19	21.56	1.76%	0.42
7	19.98	20.33	20.68	1.72%	0.41
8	19.18	19.50	19.83	1.68%	0.40
9	18.41	18.71	19.02	1.63%	0.39
10	17.68	17.96	18.25	1.59%	0.39
11	16.98	17.25	17.52	1.55%	0.38
12	16.32	16.57	16.82	1.51%	0.37



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°C	(K Ohm)	(K Ohm)	(K Ohm)	°C	
13	15.68	15.91	16.51	1.47%	0.36
14	15.07	15.29	15.51	1.43%	0.36
15	14.49	14.69	14.90	1.39%	0.35
16	13.94	14.12	14.32	1.35%	0.34
17	13.40	13.58	13.76	1.31%	0.33
18	12.90	13.06	13.23	1.27%	0.33
19	12.41	12.56	12.72	1.23%	0.32
20	11.94	12.09	12.23	1.19%	0.31
21	11.50	11.63	11.77	1.15%	0.30
22	11.07	11.20	11.32	1.11%	0.29
23	10.67	10.78	10.90	1.08%	0.28
24	10.27	10.38	10.49	1.04%	0.28
25	9.900	10.00	10.10	1.00%	0.27
26	9.534	9.634	9.734	1.04%	0.28
27	9.184	9.283	9.383	1.08%	0.29
28	8.848	8.947	9.047	1.11%	0.30
29	8.526	8.625	8.724	1.15%	0.32
30	8.218	8.316	8.415	1.19%	0.33
31	7.922	8.020	8.118	1.22%	0.34
32	7.639	7.736	7.834	1.26%	0.35
33	7.367	7.463	7.560	1.30%	0.36
34	7.107	7.202	7.298	1.33%	0.38
35	6.856	6.951	7.046	1.37%	0.39
36	6.616	6.710	6.804	1.40%	0.40
37	6.386	6.478	6.572	1.44%	0.41
38	6.165	6.256	6.348	1.47%	0.43
39	5.952	6.042	6.134	1.51%	0.44
40	5.748	5.837	5.927	1.55%	0.45
41	5.552	5.640	5.729	1.58%	0.47
42	5.363	5.450	5.538	1.61%	0.48



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43	5.182	5.268	5.355	1.65%	0.49
44	5.008	5.093	5.179	1.68%	0.50
45	4.841	4.924	5.009	1.72%	0.52
46	4.679	4.762	4.845	1.75%	0.53
47	4.525	4.606	4.688	1.79%	0.54
48	4.375	4.456	4.537	1.82%	0.56
49	4.232	4.311	4.391	1.85%	0.57
50	4.094	4.172	4.250	1.89%	0.58
50	4.094	4.172	4.250	1.89%	0.58
51	3.961	4.038	4.115	1.92%	0.60
52	3.833	3.908	3.985	1.95%	0.61
53	3.710	3.784	3.859	1.99%	0.63
54	3.591	3.664	3.738	2.02%	0.64
55	3.477	3.548	3.621	2.05%	0.65
56	3.367	3.437	3.509	2.08%	0.67
57	3.260	3.330	3.400	2.12%	0.68
58	3.158	3.226	3.295	2.15%	0.70
59	3.059	3.126	3.194	2.18%	0.71
60	2.964	3.030	3.097	2.21%	0.72
61	2.872	2.937	3.003	2.25%	0.74
62	2.784	2.847	2.912	2.28%	0.75
63	2.698	2.761	2.825	2.31%	0.77
64	2.616	2.677	2.740	2.34%	0.78
65	2.536	2.597	2.658	2.37%	0.80
66	2.460	2.519	2.580	2.40%	0.81
67	2.386	2.444	2.503	2.43%	0.83
68	2.314	2.371	2.430	2.46%	0.84
69	2.245	2.301	2.359	2.49%	0.86
70	2.178	2.234	2.290	2.53%	0.87
71	2.114	2.168	2.224	2.56%	0.89



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72	2.052	2.105	2.160	2.59%	0.90
73	1.992	2.044	2.098	2.62%	0.92
74	1.934	1.985	2.038	2.65%	0.93
75	1.878	1.928	1.980	2.68%	0.95
76	1.823	1.873	1.924	2.71%	0.96
77	1.771	1.820	1.869	2.74%	0.98
78	1.720	1.768	1.817	2.77%	1.00
79	1.671	1.718	1.766	2.79%	1.01
80	1.624	1.670	1.717	2.82%	1.03
81	1.578	1.623	1.670	2.85%	1.04
82	1.534	1.578	1.624	2.88%	1.06
83	1.491	1.535	1.579	2.91%	1.08
84	1.450	1.492	1.536	2.94%	1.09
85	1.410	1.452	1.495	2.97%	1.11
86	1.3710	1.412	1.454	3.00%	1.12
87	1.3330	1.374	1.415	3.02%	1.14
88	1.2970	1.3370	1.378	3.05%	1.16
89	1.2620	1.3010	1.3410	3.08%	1.17
90	1.2280	1.2660	1.3060	3.11%	1.19
91	1.1950	1.2330	1.2710	3.14%	1.21
92	1.1630	1.2000	1.2380	3.16%	1.22
93	1.1330	1.1690	1.2060	3.19%	1.24
94	1.1030	1.1380	1.1750	3.22%	1.26
95	1.0740	1.1090	1.1450	3.25%	1.28
96	1.0460	1.0800	1.1160	3.27%	1.29
97	1.0190	1.0530	1.0870	3.30%	1.31
98	0.9928	1.0260	1.0600	3.33%	1.33
99	0.9674	1.0000	1.0330	3.35%	1.34
100	0.9429	0.9749	1.0080	3.38%	1.36
101	0.9191	0.9505	0.9829	3.41%	1.38



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102	0.8962	0.9270	0.9588	3.43%	1.40
103	0.8739	0.9042	0.9355	3.46%	1.42
104	0.8523	0.8821	0.9128	3.48%	1.43
105	0.8315	0.8607	0.8909	3.51%	1.45
106	0.8113	0.8400	0.8697	3.53%	1.47
107	0.7917	0.8200	0.8491	3.56%	1.49
108	0.7728	0.8006	0.8292	3.58%	1.51
109	0.7545	0.7818	0.8100	3.61%	1.52
110	0.7367	0.7635	0.7913	3.63%	1.54
111	0.7195	0.7459	0.7732	3.66%	1.56
112	0.7029	0.7288	0.7557	3.68%	1.58
113	0.6868	0.7123	0.7387	3.70%	1.60
114	0.6712	0.6963	0.7223	3.73%	1.62
115	0.6562	0.6808	0.7064	3.75%	1.64
116	0.6416	0.6658	0.6910	3.77%	1.65
117	0.6275	0.6513	0.6761	3.80%	1.67
118	0.6138	0.6373	0.6616	3.82%	1.69
119	0.6006	0.6237	0.6477	3.84%	1.71
120	0.5878	0.6106	0.6342	3.86%	1.73



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Probe Resistance Vs Temperature Curve:

R / T Curve

