

LG Mini Split
Air Temp Thermister Replacement
For Use as Wine Cellar Cooler

Original Thermister Temp Resistance Values (10K, 3977 β)			Replacement Thermister Temp Resistance Values (6.8K, 3950 β)			Thermostat Temp Setpoint	Resultant Cellar Temp
°C	°F	Ohm	°C	°F	Ohm	°F	°F
15.0	59.0	15,712.00	6.9	44.4	15,726.36		
15.1	59.2	15,639.00	7.0	44.6	15,649.52	59.0	44.6
15.2	59.4	15,567.00	7.1	44.8	15,573.36	59.2	44.8
15.3	59.5	15,495.00	7.2	45.0	15,497.20	59.4	45.0
15.4	59.7	15,423.00	7.3	45.1	15,421.72	59.7	45.1
15.5	59.9	15,351.00	7.4	45.3	15,346.92	59.9	45.3
15.6	60.1	15,280.00	7.5	45.5	15,272.12	60.1	45.5
15.7	60.3	15,210.00	7.6	45.7	15,198.00	60.3	45.7
15.8	60.4	15,139.00	7.7	45.9	15,123.88	60.4	45.9
15.9	60.6	15,069.00	7.8	46.0	15,050.44	60.6	46.0
16.0	60.8	15,000.00	7.9	46.2	14,977.68	60.8	46.2
16.1	61.0	14,930.00	8.0	46.4	14,904.92	61.0	46.4
16.2	61.2	14,862.00	8.1	46.6	14,832.84	61.2	46.6
16.3	61.3	14,793.00	8.2	46.8	14,760.76	61.3	46.8
16.4	61.5	14,725.00	8.3	46.9	14,689.36	61.5	46.9
16.5	61.7	14,657.00	8.4	47.1	14,618.64	61.7	47.1
16.6	61.9	14,590.00	8.5	47.3	14,547.92	61.9	47.3
16.7	62.1	14,523.00	8.6	47.5	14,477.88	62.1	47.5
16.8	62.2	14,456.00	8.7	47.7	14,407.84	62.2	47.7
16.9	62.4	14,389.00	8.8	47.8	14,338.48	62.4	47.8
17.0	62.6	14,323.00	8.9	48.0	14,269.12	62.6	48.0
17.1	62.8	14,258.00	9.0	48.2	14,200.44	62.8	48.2
17.2	63.0	14,192.00	9.1	48.4	14,131.76	63.0	48.4
17.3	63.1	14,127.00	9.2	48.6	14,063.76	63.1	48.6
17.4	63.3	14,063.00	9.3	48.7	13,996.44	63.5	48.7
17.5	63.5	13,998.00	9.4	48.9	13,929.12	63.7	48.9
17.6	63.7	13,934.00	9.5	49.1	13,861.80	63.9	49.1
17.7	63.9	13,870.00	9.6	49.3	13,795.84	64.0	49.3
17.8	64.0	13,807.00	9.7	49.5	13,729.20	64.2	49.5
17.9	64.2	13,744.00	9.8	49.6	13,663.24	64.4	49.6
18.0	64.4	13,681.00	9.9	49.8	13,597.96	64.6	49.8
18.1	64.6	13,619.00	10.0	50.0	13,532.68	64.8	50.0
18.2	64.8	13,557.00	10.1	50.2	13,468.08	64.9	50.2
18.3	64.9	13,495.00	10.2	50.4	13,403.48	65.1	50.4
18.4	65.1	13,434.00	10.3	50.5	13,339.56	65.3	50.5
18.5	65.3	13,373.00	10.4	50.7	13,275.64	65.5	50.7
18.6	65.5	13,312.00	10.5	50.9	13,212.40	65.7	50.9
18.7	65.7	13,251.00	10.6	51.1	13,149.16	65.8	51.1
18.8	65.8	13,191.00	10.7	51.3	13,086.60	66.0	51.3

Note: Area in **ORANGE** shows the thermostat temp setpoints relevant for use as wine cellar cooler

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Original Thermister Temp Resistance Values (10K, 3977 β)		
°C	°F	Ohm
18.9	66.0	13,131.00
19.0	66.2	13,072.00
19.1	66.4	13,012.00
19.2	66.6	12,954.00
19.3	66.7	12,895.00
19.4	66.9	12,837.00
19.5	67.1	12,778.00
19.6	67.3	12,721.00
19.7	67.5	12,663.00
19.8	67.6	12,606.00
19.9	67.8	12,549.00
20.0	68.0	12,493.00
20.1	68.2	12,436.00
20.2	68.4	12,380.00
20.3	68.5	12,325.00
20.4	68.7	12,269.00
20.5	68.9	12,214.00
20.6	69.1	12,159.00
20.7	69.3	12,105.00
20.8	69.4	12,050.00
20.9	69.6	11,996.00
21.0	69.8	11,942.00
21.1	70.0	11,889.00
21.2	70.2	11,836.00
21.3	70.3	11,783.00
21.4	70.5	11,730.00
21.5	70.7	11,678.00
21.6	70.9	11,626.00
21.7	71.1	11,574.00
21.8	71.2	11,522.00
21.9	71.4	11,471.00
22.0	71.6	11,420.00
22.1	71.8	11,369.00
22.2	72.0	11,318.00
22.3	72.1	11,268.00
22.4	72.3	11,218.00
22.5	72.5	11,168.00
22.6	72.7	11,118.00
22.7	72.9	11,069.00

Replacement Thermister Temp Resistance Values (6.8K, 3950 β)		
°C	°F	Ohm
10.8	51.4	13,024.72
10.9	51.6	12,962.16
11.0	51.8	12,900.96
11.1	52.0	12,839.08
11.2	52.2	12,778.56
11.3	52.3	12,717.36
11.4	52.5	12,656.84
11.5	52.7	12,597.00
11.6	52.9	12,537.16
11.7	53.1	12,478.00
11.8	53.2	12,418.84
11.9	53.4	12,359.68
12.0	53.6	12,301.20
12.1	53.8	12,243.40
12.2	54.0	12,185.60
12.3	54.1	12,127.80
12.4	54.3	12,070.68
12.5	54.5	12,013.56
12.6	54.7	11,957.12
12.7	54.9	11,900.68
12.8	55.0	11,844.92
12.9	55.2	11,789.16
13.0	55.4	11,733.40
13.1	55.6	11,678.32
13.2	55.8	11,623.92
13.3	55.9	11,568.84
13.4	56.1	11,514.44
13.5	56.3	11,460.72
13.6	56.5	11,407.00
13.7	56.7	11,353.96
13.8	56.8	11,300.24
13.9	57.0	11,247.88
14.0	57.2	11,194.84
14.1	57.4	11,142.48
14.2	57.6	11,090.80
14.3	57.7	11,039.12
14.4	57.9	10,987.44
14.5	58.1	10,936.44
14.6	58.3	10,885.44

Thermostat Temp Setpoint	Resultant Cellar Temp
°F	°F
66.2	51.4
66.4	51.6
66.6	51.8
66.7	52.0
66.9	52.2
67.3	52.3
67.5	52.5
67.6	52.7
67.8	52.9
68.0	53.1
68.2	53.2
68.4	53.4
68.5	53.6
68.7	53.8
68.9	54.0
69.1	54.1
69.3	54.3
69.4	54.5
69.6	54.7
69.8	54.9
70.0	55.0
70.2	55.2
70.3	55.4
70.5	55.6
70.9	55.8
71.1	55.9
71.2	56.1
71.4	56.3
71.6	56.5
71.8	56.7
72.0	56.8
72.1	57.0
72.3	57.2
72.5	57.4
72.7	57.6
72.9	57.7
73.0	57.9
73.2	58.1
73.4	58.3

Note: Area in **ORANGE** shows the thermostat temp setpoints relevant for use as wine cellar cooler

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°C	°F	Ohm
22.8	73.0	11,020.00
22.9	73.2	10,971.00
23.0	73.4	10,922.00
23.1	73.6	10,874.00
23.2	73.8	10,826.00
23.3	73.9	10,778.00
23.4	74.1	10,730.00
23.5	74.3	10,683.00
23.6	74.5	10,636.00
23.7	74.7	10,589.00
23.8	74.8	10,542.00
23.9	75.0	10,496.00
24.0	75.2	10,450.00
24.1	75.4	10,404.00
24.2	75.6	10,358.00
24.3	75.7	10,312.00
24.4	75.9	10,267.00
24.5	76.1	10,222.00
24.6	76.3	10,177.00
24.7	76.5	10,133.00
24.8	76.6	10,088.00
24.9	76.8	10,044.00
25.0	77.0	10,000.00
25.1	77.2	9,956.30
25.2	77.4	9,912.70
25.3	77.5	9,869.40
25.4	77.7	9,826.30
25.5	77.9	9,783.40
25.6	78.1	9,740.80
25.7	78.3	9,698.30
25.8	78.4	9,656.00
25.9	78.6	9,614.00
26.0	78.8	9,572.20
26.1	79.0	9,530.50
26.2	79.2	9,489.10
26.3	79.3	9,447.90
26.4	79.5	9,406.90
26.5	79.7	9,366.10
26.6	79.9	9,325.40

Replacement Thermister Temp Resistance Values (6.8K, 3950 β)		
°C	°F	Ohm
14.7	58.5	10,834.44
14.8	58.6	10,784.12
14.9	58.8	10,734.48
15.0	59.0	10,684.16
15.1	59.2	10,634.52
15.2	59.4	10,585.56
15.3	59.5	10,536.60
15.4	59.7	10,487.64
15.5	59.9	10,438.68
15.6	60.1	10,390.40
15.7	60.3	10,342.80
15.8	60.4	10,294.52
15.9	60.6	10,246.92
16.0	60.8	10,200.00
16.1	61.0	10,152.40
16.2	61.2	10,106.16
16.3	61.3	10,059.24
16.4	61.5	10,013.00
16.5	61.7	9,966.76
16.6	61.9	9,921.20
16.7	62.1	9,875.64
16.8	62.2	9,830.08
16.9	62.4	9,784.52
17.0	62.6	9,739.64
17.1	62.8	9,695.44
17.2	63.0	9,650.56
17.3	63.1	9,606.36
17.4	63.3	9,562.84
17.5	63.5	9,518.64
17.6	63.7	9,475.12
17.7	63.9	9,431.60
17.8	64.0	9,388.76
17.9	64.2	9,345.92
18.0	64.4	9,303.08
18.1	64.6	9,260.92
18.2	64.8	9,218.76
18.3	64.9	9,176.60
18.4	65.1	9,135.12
18.5	65.3	9,093.64

Thermostat Temp Setpoint	Resultant Cellar Temp
°F	°F
73.6	58.5
73.8	58.6
73.9	58.8
74.1	59.0
74.5	59.2
74.7	59.4
74.8	59.5
75.0	59.7
75.2	59.9
75.4	60.1
75.6	60.3
75.7	60.4
75.9	60.6
76.1	60.8
76.3	61.0
76.5	61.2
76.6	61.3
76.8	61.5
77.0	61.7
77.2	61.9
77.4	62.1
77.5	62.2
77.7	62.4
78.1	62.6
78.3	62.8
78.4	63.0
78.6	63.1
78.8	63.3
79.0	63.5
79.2	63.7
79.3	63.9
79.5	64.0
79.7	64.2
79.9	64.4
80.1	64.6
80.2	64.8
80.4	64.9
80.6	65.1
80.8	65.3

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Original Thermister Temp Resistance Values (10K, 3977β)		
°C	°F	Ohm
26.7	80.1	9,285.00
26.8	80.2	9,244.80
26.9	80.4	9,204.80
27.0	80.6	9,165.00
27.1	80.8	9,125.40
27.2	81.0	9,085.90
27.3	81.1	9,046.70
27.4	81.3	9,007.60
27.5	81.5	8,968.80
27.6	81.7	8,930.10
27.7	81.9	8,891.70
27.8	82.0	8,853.40
27.9	82.2	8,815.30
28.0	82.4	8,777.40
28.1	82.6	8,739.60
28.2	82.8	8,702.10
28.3	82.9	8,664.70
28.4	83.1	8,627.50
28.5	83.3	8,590.50
28.6	83.5	8,553.70
28.7	83.7	8,517.10
28.8	83.8	8,480.60
28.9	84.0	8,444.40
29.0	84.2	8,408.20
29.1	84.4	8,372.30
29.2	84.6	8,336.60
29.3	84.7	8,301.00
29.4	84.9	8,265.60
29.5	85.1	8,230.30
29.6	85.3	8,195.30
29.7	85.5	8,160.40
29.8	85.6	8,125.60
29.9	85.8	8,091.10
30.0	86.0	8,056.70

Replacement Thermister Temp Resistance Values (6.8K, 3950β)		
°C	°F	Ohm
18.6	65.5	9,052.16
18.7	65.7	9,010.68
18.8	65.8	8,969.88
18.9	66.0	8,929.08
19.0	66.2	8,888.96
19.1	66.4	8,848.16
19.2	66.6	8,808.72
19.3	66.7	8,768.60
19.4	66.9	8,729.16
19.5	67.1	8,689.04
19.6	67.3	8,650.28
19.7	67.5	8,610.84
19.8	67.6	8,572.08
19.9	67.8	8,533.32
20.0	68.0	8,495.24

Thermostat Temp Setpoint	Resultant Cellar Temp
°F	°F
81.0	65.5
81.1	65.7
81.3	65.8
81.7	66.0
81.9	66.2
82.0	66.4
82.2	66.6
82.4	66.7
82.6	66.9
82.8	67.1
82.9	67.3
83.1	67.5
83.3	67.6
83.5	67.8
83.7	68.0

Note: Area in **ORANGE** shows the thermostat temp setpoints relevant for use as wine cellar cooler