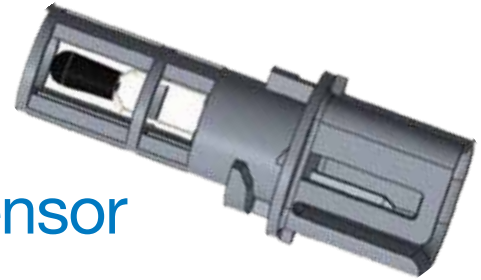


T H E R M O M E T R I C S  
A C O M M I T M E N T T O E X C E L L E N C E

# A-1996

## HVAC Duct Temperature Sensor



Thermometric's duct sensors are OEM solutions for measuring the temperature of air in ventilation ducts. The temperature reading is wired to a control module, where the system compares the temperature reading to a temperature set-point and adjusts outputs accordingly.

### Features

- High accuracy OEM sensor
- High Sensitivity & reliability
- Excellent interchangeability
- High Reliability
- Twist and lock installation

### Specifications

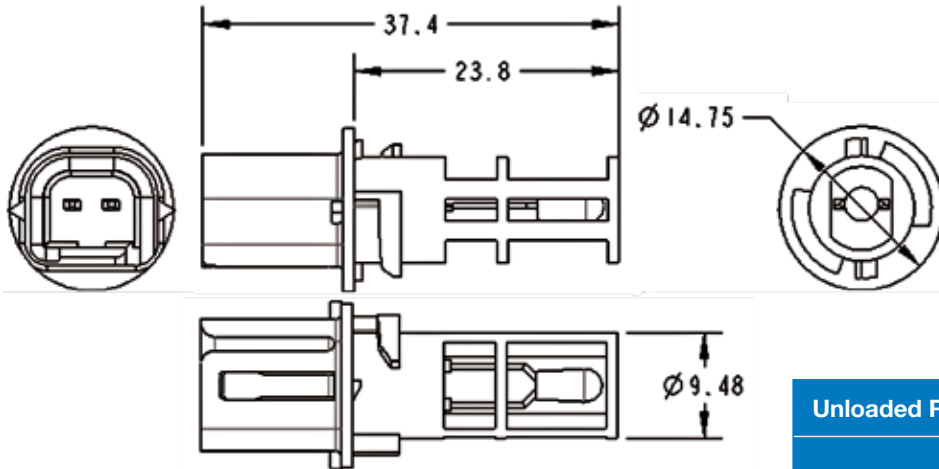
- Part Number: A-1996
- Mating connector Delphi part number: 12047662
- Resistance at 25°C : 2,795 ohms  $\pm$  2.50%
- Beta (25/85) : 4073
- Plastic : Nylon

### Applications

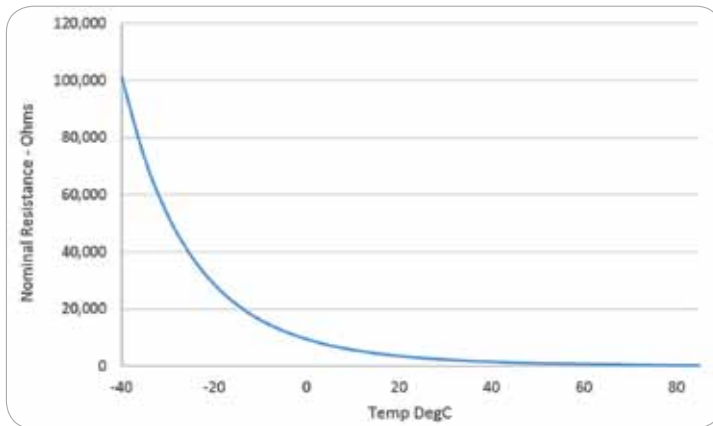
- HVAC vent temperature (automotive)
- In cabin temperature (automotive)
- Air Temperature
- HVAC Airflow monitoring (industrial)
- Industrial automation – Ambient environment and process monitoring

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# Application Information



A-1996 Dimensions (mm)



Nominal Resistance Ohm

Unloaded Resistance Temperature Table		
Temp (°C)	Nominal Resistance Ohms	Resistance Tolerance (+/- %)
-40	100,865	4.87
-35	72,437	4.64
-30	52,594	4.43
-25	38,583	4.21
-20	28,582	4.00
-15	21,371	3.80
-10	16,120	3.60
-5	12,261	3.40
0	9,399	3.21
5	7,263	3.06
10	5,658	2.92
15	4,441	2.78
20	3,511	2.68
25	2,795	2.50
30	2,240	2.45
35	1,806	2.40
40	1,465	2.36
45	1,195	2.31
50	980.3	2.27
55	808.8	2.23
60	670.9	2.19
65	559.4	2.15
70	468.7	2.11
75	394.6	2.07
80	333.8	2.04
85	283.5	2.00

Weight	2.4 grams
Operating Temperature	-22°F to 185°F (-30°C to 85°C)
Storage Temperature	-40°F to 194°F (-40°C to 90°C)
Response Time	< 5 seconds (in oil)

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