

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

Ambient Sensor

Optimizing Internal Temperature



This sensor measures the temperature outside the passenger compartment and is usually mounted inside or near the front bumper. The sensor provides input to automatic HVAC systems to help control the interior temperature of the automobile. The sensor also provides the vehicle occupants with temperature readings from outside the car. This information is particularly useful when driving under near freezing or freezing conditions.

Applications

- Automatic air conditioner systems
- All temperature sensors

Features

- Low price
- High sensitivity
- Wide application
- Compact design
- Snap-in design



Amphenol
Advanced Sensors

Ambient Sensor Specifications

R @ 77°F (25°C)

30 K Ω \pm 3%

B (0/50) °C

3880 K \pm 2%

Operating Temperature

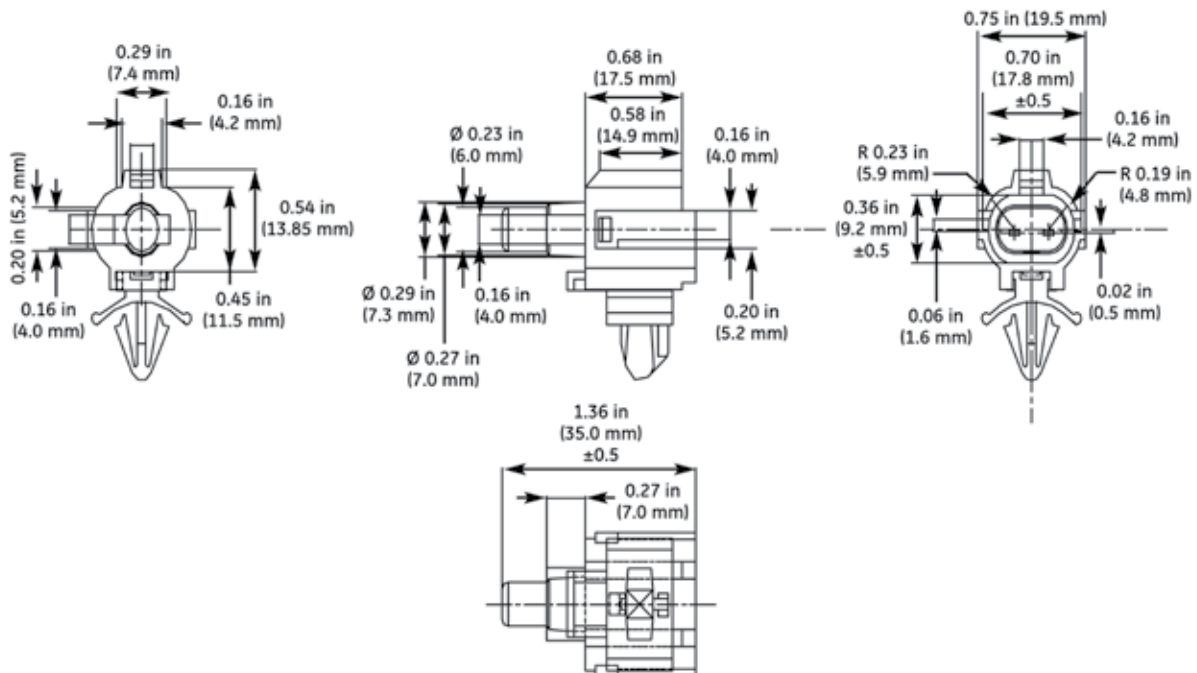
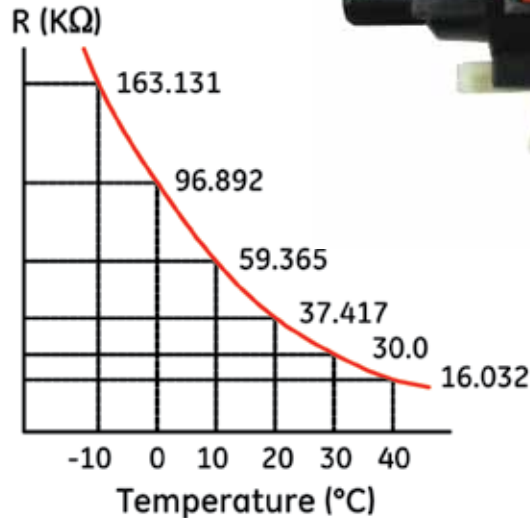
-22°F to 176°F (-30°C to 80°C)

Storage Temperature

-40°F to 194°F (-40°C to 90°C)

Response Time

Maximum 60 seconds (in air)



Ambient Sensor Dimensions

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