



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

# Active Incar and Humidity Sensor



This sensor from Thermometrics® indicates temperature and humidity in the cabin of passenger cars. It provides input to the HVAC system to control the damper and air recirculation mode. The sensor also incorporates a brushless motor for low noise and long life. Since the fan draws air over the sensors, no venturi tube is needed.

## Applications

- Automatic air conditioner systems
- Active motor temperature sensors

## Features

- Easy to attach and repair
- Capacitive humidity cell
- High sensitivity and low noise
- Power saving
- Wide applications



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# Incar Sensor Specifications

Rating Voltage  
12 VDC

Starting Voltage  
Minimal 8 VDC

Operating Current  
Maximum 60 mA

Restraint Current  
Maximum 100 mA

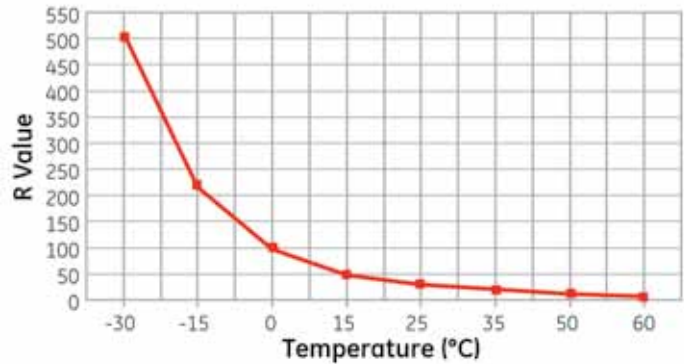
Storage Temperature Range  
-22°F to 176°F (-30°C to 80°C)

Operating Temperature Range  
-40°F to 185°F (-40°C to 85°C)

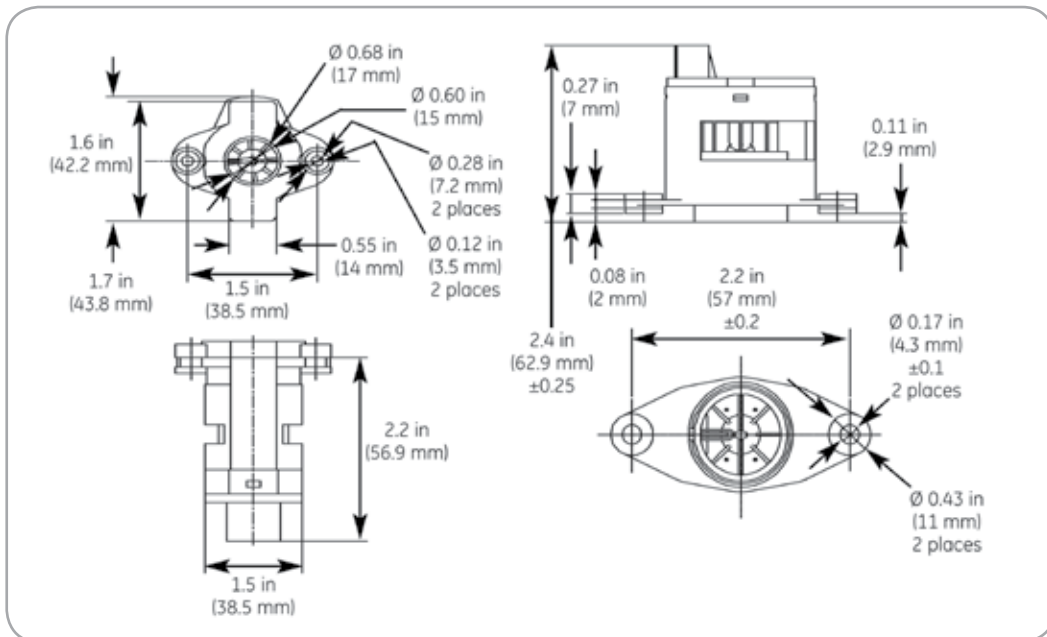
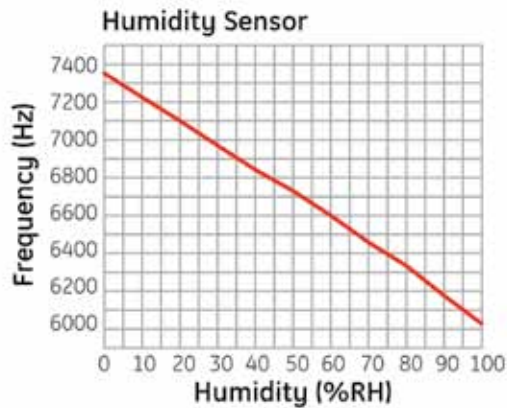
Response Time (Humidity)  
Maximum 10 seconds

Response Time (Incar)  
Maximum 30 seconds

## R-T Curve of Incar (Cabin)



## F-T Curve of Humidity



Active incar humidity sensor dimensions

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