



Auto Defog Sensor(DFF031A)

Overview

Relative Humidity, Ambient Temperature and Glass temperature sensor are Integrated into one compact size package. ADS(Auto Defog Sensor) provide windshield temp, cabin temp and humidity signal to an automatic climate control system. ADS can detect windshield fogging before come out and send measured signal to prevent the windshield fogging automatically. Amphenol's new ADS uses the dew point of windshield glass to predict fogging condition and it allows more accurate and faster response time.

Features

- Supply voltage : 5.0+/-5% VDC
- Operating Temperature Range : -40°C ~ 105°C
- Storage Temperature Range : -40°C ~ 120°C
- Accurate Measurements of %RH and Ambient & Glass Temperature
- Fast Recovery time after condensation
- Long-Term Stability of <0.5%RH per year
- Compact size and Easy mounting
- Low cost
- Fast response time
- Digital interface(I2C)
- RoHS/REACH directive compliant



Applications

- Anti-Defogging system in vehicle
- Temperature and Humidity sensor

