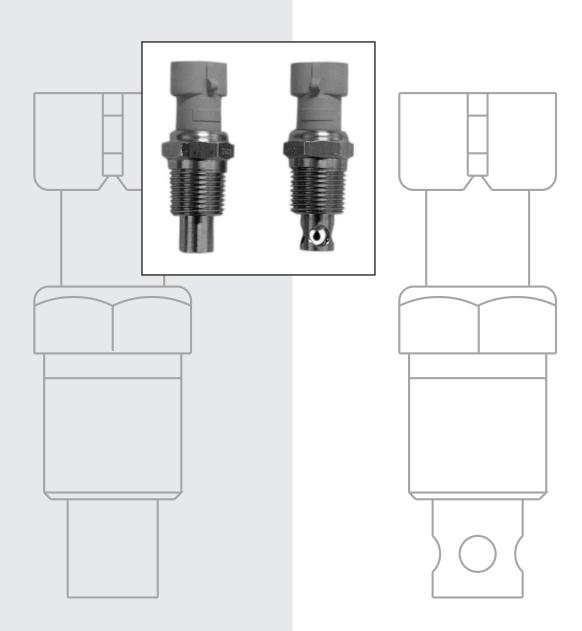


Technical Bulletin

1090173, 1090174 Fan Drive Control Temperature Sensors





Technical Bulletin

Fan Drive Control Temperature Sensors

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Fan Drive Control Temperature Sensors

DESCRIPTION

The Sauer-Danfoss family of analog temperature sensors is designed to operate in conjunction with Sauer-Danfoss Fan Drive Control (FDC) electronic modules. The sensors have been engineered to provide years of dependable service while operating in harsh on and off road environments.

Two models are available: An air sensor typically used to measure engine charge air temperature and a liquid sensor typically used to measure engine coolant or oil temperature.

FEATURES

- Integrated connector and sensor body
- Brass body construction
- Anti-fouling air temperature sensor design

50° C to 125° C operating temperature range, FDC software configurable

TECHNICAL DATA

The 1090173 and 1090174 are thermistor-type temperature sensors. (See Table A.)

Table A. Temperature Versus Resistance Limits.

MEASURED	RESISTANCE, OHMS		
TEMP. ° C	NOM.	TOLERANCE	
50	810.9	±5%	
80	283.0	5%	
100	152.9	±8%	
125	76.9±	±8%	



Connector

Delphi Metri-Pack 150 series For proper operation, air temperature sensors must **Mating Connector** be mounted at the top of the manifold pipe with the

sensor tip facing down.

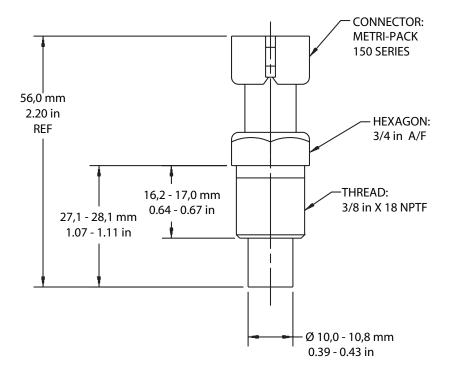
Mating Connector Bag Assembly: Sauer-Danfoss part number K23436



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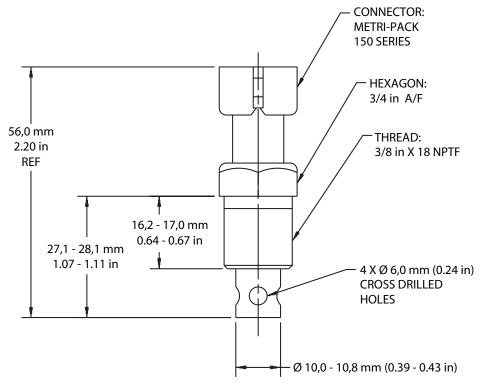
Fan Drive Control Temperature Sensors

DIMENSIONS OF THE 1090173 FAN DRIVE CONTROL LIQUID TEMPERATURE SENSOR



2053

DIMENSIONS OF THE 1090174 FAN DRIVE CONTROL AIR TEMPERATURE SENSOR



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Fan Drive Control Temperature Sensors

REPAIR INFORMATION

Temperature sensors are not repairable and must be replaced if a failure occurs.

AVAILABLE MODELS

Liquid temperature sensor

Sauer-Danfoss part number: 1090173

Air temperature sensor

Sauer-Danfoss part number: 1090174

CUSTOMER SERVICE

Order From

Sauer-Danfoss (US) Company Customer Service Department 3500 Annapolis Lane North Minneapolis, Minnesota 55447

Phone: (763) 509-2084 Fax: (763) 559-0108

Sauer-Danfoss (Neumünster) GmbH & Co.

Order Entry Department

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