Automotive Sensor Products

Coolant Level Sensor – Reed



Features

- Magnetically operated level sensor
- Mounted in coolant reservoir tank
- Normally open circuit
- Operates when float moves up and down with fluid level
- Choice of circuitry for output voltages
- Choice of connectors and terminals

Benefits

- Robust construction makes this sensor well suited to harsh environments
- No standby power required
- Can directly interface with warning system device

General Description

When paired with a float magnet, Reed Sensors can function as fluid-level sensors. A float level sensor is used to detect the coolant level inside the reservoir tank.

Applications

- Coolant level sensor
- Fluid level sensor

Operation

Basic Principle
The sensor is in a normally open position. When the fluid level in the reservoir tank is low, the magnet in the float activates the Reed Switch sending a voltage output to the customer electrical interface.

Packaging Options
Custom packaging can be provided to meet any need, please contact Littelfuse Engineering for details.

© 2018 Littelfuse, Inc.

Functional Characteristics

Parameter			
Type			
Reed Switch Sensor			
Contact			Normally Open
Electrical			
Voltage	Switching	Max.	$200V_{dc}$ / $140V_{ac}$ RMS
	Breakdown	Min.	250 V_{dc}
Current	Switching	Max.	$0.5A_{dc}$ / $0.35A_{ac}$ RMS
	Carry	Max.	$0.8A_{dc}$ / $0.35A_{ac}$ RMS
Rating	Power	Max.	10W
Resistance	Contact, Initial	Max.	0.1 Ω
	Insulation	Max.	10^{10}Ω
Capacitance	Contact	Typ.	0.3pF
Environmental/Mechanical			
Temperature	Operating	Celsius	-40° to +125°
	Storage	Celsius	-40° to 125°
Shock	11ms ½ Sine	Max.	100g
Vibration	50 – 2000Hz	Max.	30g

Littelfuse

Website: www.littelfuse.com
Sales Support: ALL_Autosensors_Sales@littelfuse.com
Technical Support: ALL_Autosensors_Tech@littelfuse.com

Information provided by Littelfuse is believed to be accurate and reliable.
All rights reserved. Trademarks and registered trademarks are the property of their respective owners.
Littelfuse products are designed for specific applications and should not be used for any purpose (including, without limitation, automotive applications) not expressly set forth in applicable Littelfuse product documentation. Warranties granted by Littelfuse shall be deemed void for products used for any purpose not expressly set forth in applicable Littelfuse product documentation. Littelfuse shall not be liable for any claims or damages arising out of products used in applications not expressly intended by Littelfuse as set forth in applicable Littelfuse product documentation.

ASP-MKT45-0017-AA