



COOLANT LEVEL SENSOR

USER GUIDE AND INSTRUCTIONS

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INTRODUCTION



INTRODUCTION

The **CARTEK COOLANT LEVEL SENSOR** gives drivers an early warning system should their engine cooling system develop a leak, such as a punctured radiator, loose hose or gasket failure, before overheating and engine damage occurs.

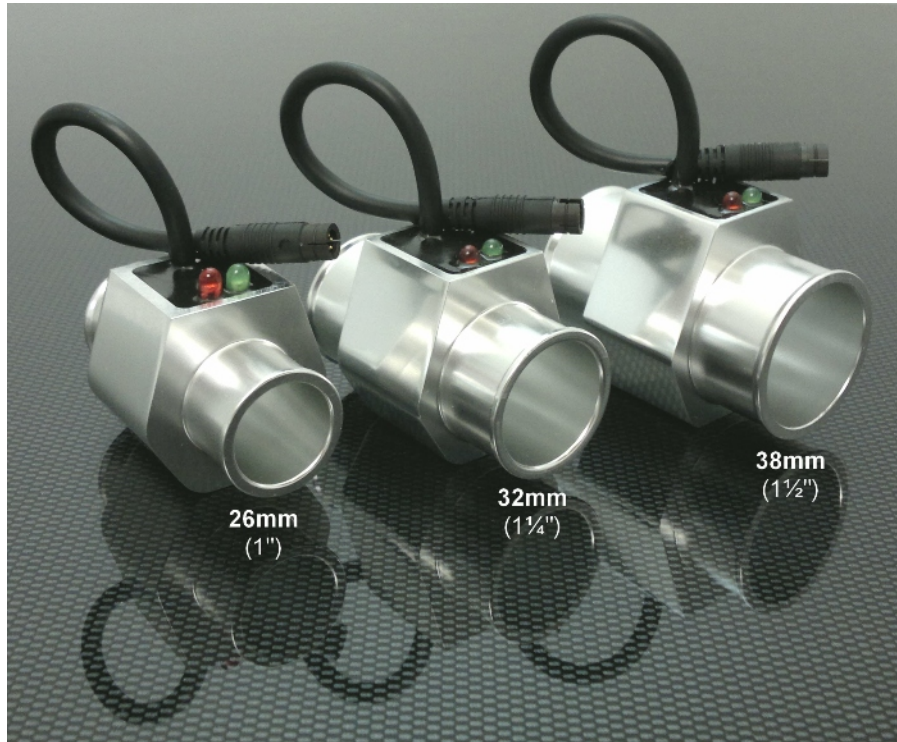
OPERATION

When the coolant system is fully filled with water the Green LED on the sensor will illuminate and the Alarm Output Signal will be open-circuit.

When air is detected in the coolant system continuously for more than 3 seconds the Red LED will illuminate and the Alarm Output Signal will activate by switching from open-circuit to ground. This signal can be used to illuminate a 12v LED or used as an alarm input to a dashboard display or data logger.

Note: THE OUTPUT SIGNAL CANNOT BE USED TO ILLUMINATE A CONVENTIONAL BULB.

SPECIFICATION



Sizes:	26mm 1", 32mm 1¼", or 38mm 1½"
Overall Length:	70mm
Weight:	95g
Voltage:	8V to 27V
Current:	20mA
Alarm Signal Output:	Open collector, switched to 'Earth' when coolant is low
Max Temperature:	125°C (260°F)
Part Numbers:	CK-CA-26 26mm COOLANT LEVEL SENSOR CK-CA-32 32mm COOLANT LEVEL SENSOR CK-CA-38 38mm COOLANT LEVEL SENSOR



WARNING

- Please read through the Instructions thoroughly before installing on to your race car.

**MOTORSPORT IS DANGEROUS.
THIS PRODUCT IS DESIGNED FOR MOTORSPORT USE ONLY AND SHOULD NOT
BE USED ON ROAD/STREET VEHICLES OR ON PUBLIC HIGHWAYS.
NO WARRANTY IS MADE OR IMPLIED REGARDING ANY CARTEK PRODUCTS TO
PROTECT USERS FROM INJURY OR DEATH.
USER ASSUMES ALL RISKS.**

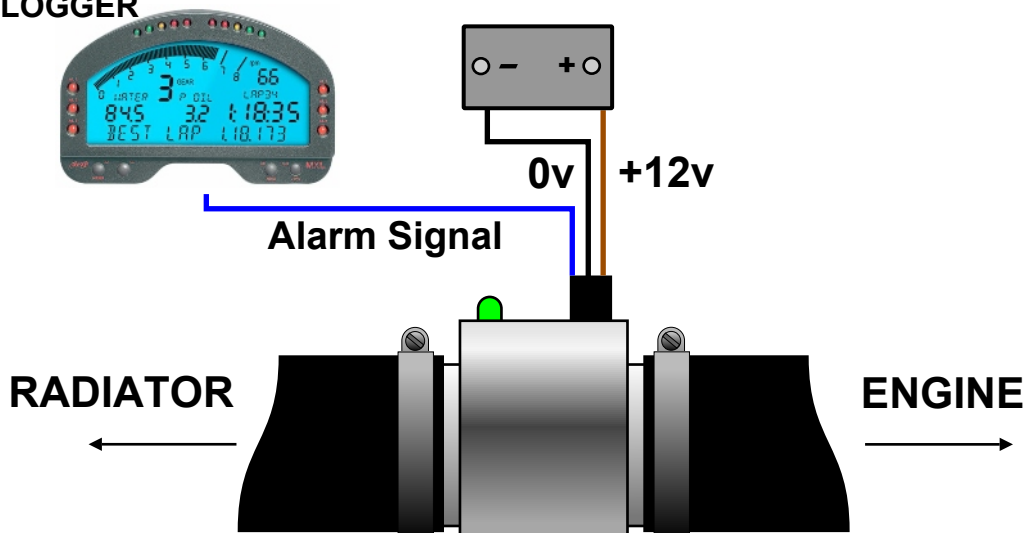
INSTALLATION

The COOLANT LEVEL SENSOR should be fitted at the highest point of the engine cooling system which is usually the top radiator hose. The selected hose needs to be cut through at a convenient position and the sensor inserted. Use the hose clamps supplied to seal the hose ends.

Route the connection cable from the sensor to the dashboard and make the following connections:

BROWN - 12v (switched) **BLACK - Earth** **BLUE- Sensor output**

Connection to a DASH/DATA LOGGER



Connection to a WARNING LED

