

Low Coolant Alarm ~ Coolant Level Probe Kit Installation Instructions

PLEASE READ BEFORE INSTALLATION

Read these instructions completely before starting. Ensure you understand the installation before proceeding.

Important: Digital Installation instructions located here: www.daviescraig.com.au/instructions

KIT COMPONENTS

- ⊕ 1 - Low coolant alarm
- ⊕ 1 - Inline Adapter 35mm (#1040)
- ⊕ 1 - Inline Adapter 38mm (#1041)
- ⊕ 1 - 8 pin Wiring Harness
- ⊕ 1 - Low Coolant Level Probe
- ⊕ 2 - Hose Clamps
- ⊕ 1 - Mounting Plate
- ⊕ 1 - Assorted Mounting Hardware

Optional Float Sensor

- ⊕ **#11034** - Low Coolant Alarm - float Sensor

Optional Inline Adapters

- ⊕ **#0416** - 38mm (1-1/2 in) Inline adapter (supplied with #1041)
- ⊕ **#0419** - 35mm (1-3/8 in) Inline adapter (supplied with #1040)

Low Coolant Alarm (LCA) Mounting

- ⊕ Mount the LCA inside the passenger compartment to minimise exposure to heat, moisture, and water.
- ⊕ Locate a hole in the firewall (approx. 15mm in diameter) and pass the wiring harness through from the passenger cabin to the engine bay.
 - Ensure all wiring is protected from rubbing on bare metal or sharp edges.
- ⊕ Ensure the unit is mounted allowing easy access to the switches and to minimise exposure to direct sunlight.



Coolant Level Sensor Probe Installation

- ⊕ Install the level sensor probe into the inline adapter, ensuring it is not overtightened or damaged. Thread tape or sealant may be required to achieve a watertight seal (not supplied).
- ⊕ Remove the top radiator hose and confirm its internal diameter (ID) before cutting. Rubber sleeves may be required to suit larger hose diameters:
 - **Part No. 18510** - 3 mm (1/8 in) rubber sleeve, increases adapter OD by 6 mm (**not supplied**)
 - **Part No. 18511** - 6 mm (1/4 in) rubber sleeve, increases adapter OD by 12 mm (**not supplied**)
- ⊕ If the supplied components are suitable, remove approximately 20 mm from the top radiator hose. Install the inline adapter assembly and secure it with the hose clamps, ensuring the sensor is positioned vertically.
- ⊕ When using float sensor Part No. 11034 (**not supplied**), the sensor must be installed with the wiring positioned at the bottom of the adapter.

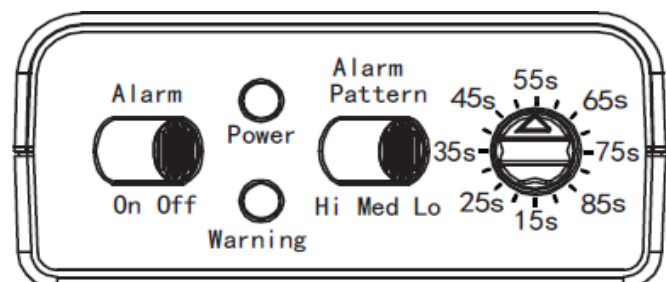
Low coolant alarm Operation

The LCA will constantly monitor the coolant level, if the coolant level drops the alarm will be activated. The alarm will automatically reset once the correct coolant level is detected.

- ⊕ **BLUE** LED - indicates the unit is powered up.
- ⊕ **RED** LED - indicates low coolant alarm state.
- ⊕ Alarm Switch - turns the audible alarm on and off.
- ⊕ Alarm Pattern Switch - set the beep patten of the alarm.
 - **Hi = 3 beeps**
 - **Med = 2 beeps**
 - **Lo = 1 beep**

- ⊕ The rotary knob adjusts the alarm delay between 15 and 90seconds.

- The delay time determines how long the coolant level must be low before the alarm will be triggered



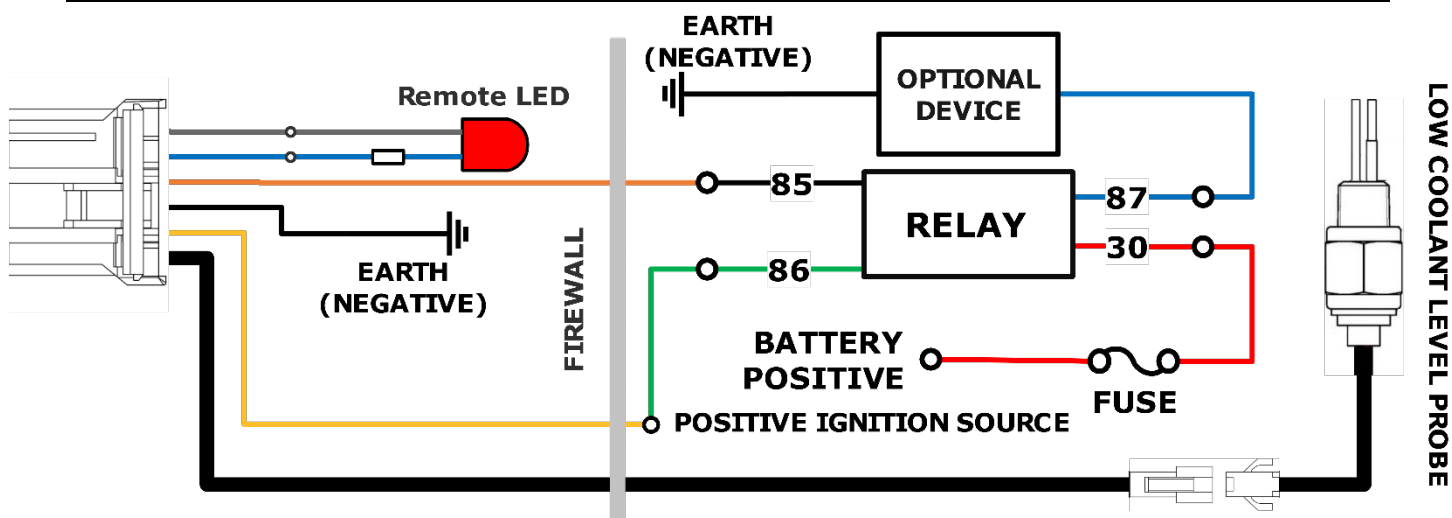
Low Coolant Alarm Wiring

- Connect the **BLACK "EARTH"** wire to the chassis or negative Earth.
- Connect the **YELLOW "IGNITION"** wire to a Positive ignition or accessories source.
 - DO NOT wire to the ECU or the ignition coils as this can cause operational issues
- Mount the **"Remote LED"** in a location where it will be easily visible.
 - The **"Remote LED"** may be fitted by inserting through a 4.6mm diameter hole.
 - The **"Remote LED"** has **BLUE** and **GREY** pin connectors that **MUST** be connected to the same-coloured pin connectors on the wiring harness.

Optional Relay Wiring

When using the Davies, Craig fan wiring harness from Part #1000, #1001, #1002 or #1003 the ring terminal on the **BLACK** wire connecting to Relay Pin 85 must be removed.

85	ORANGE 'Relay' wire
86	Positive ignition source
30	Fused Battery Positive a fuse and holder may need installing
87	Optional device Positive (horn, external buzzer, Fan etc.).



These installation instructions will suit most applications but there are circumstances surrounding some engine designs, environments, and the nature of the system involved, which may require other installation arrangements not outlined here. Frequently Asked Questions (FAQ) are listed on our website www.daviescraig.com.au Emails can be directed to info@daviescraig.com.au or Telephone +61 (0) 3 9369 1234 during business hours.

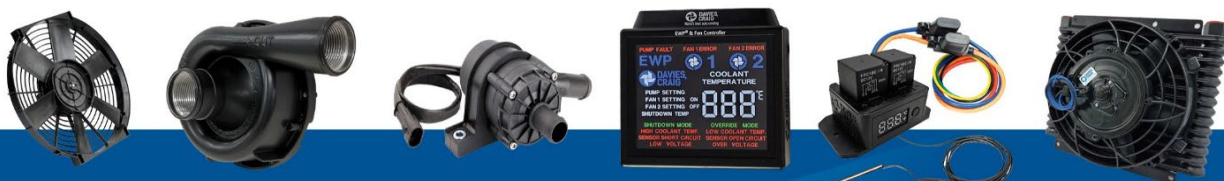
WARRANTY



Davies, Craig Pty Ltd warrants its products for a period of three years or 2,000 hours of continuous operation, whichever occurs first, from the date of purchase. During this period, Davies, Craig will, at no charge, repair any defect in workmanship or materials that directly affects the operation of the product. This warranty does not apply where the product has been misused, modified, tampered with, or installed or operated contrary to Davies, Craig's written recommendations or installation instructions. Labour and consequential costs are excluded.

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To make a warranty claim, go to: daviescraig.com.au/warranty



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