

Low coolant got you hot under the collar?

THE POWER OF **REDARC**[®]

The REDARC Low Coolant Alarm can be used in a 12 or 24 volt automotive system or remote water pumping system to monitor radiator coolant levels.

It will provide a visual and audible alarm if the coolant falls below the chosen level or if the pump loses priming.

A warning will be given if a sudden loss of coolant occurs from a burst radiator hose, for example, alerting you to switch off the engine, to prevent damage due to overheating.

Benefits

- Cost-effective protection against engine damage caused by coolant loss
- Automatic fault detection alerts you about a fault before extensive damage occurs
- More reliable than a vehicle's temperature gauge in the event of a sudden loss of coolant
- Doesn't cause corrosion
- Lets you know it's still working, every time you start the car



MADE IN AUSTRALIA



Operation

The REDARC Low Coolant Alarm (LCA1224) is used in a 12 or 24 volt automotive system to monitor radiator coolant levels and provides a visual and audible alarm if the coolant falls below the chosen level.

It will give warning of a sudden loss of coolant (eg from a burst radiator hose) allowing the operator to stop the vehicle and switch off the engine, to prevent any damage due to overheating.

If the probe wire is broken the LCA1224 will provide a visual and audible alarm.

On ignition, the LCA1224 will simulate a low coolant condition or broken probe wire internally. Self-test includes two flashes of the indicator LED and 4 short bursts from the buzzer.

If the radiator is not quite full and coolant sloshes around, the LED flashes after half a second but the beeper will not sound for 3-4 seconds. So there is a visual reminder to top up but no annoying beeps.

AC Sensing

The LCA1224 probe is supplied with an alternating current so it does not produce electrolysis, which can cause cooling system corrosion.

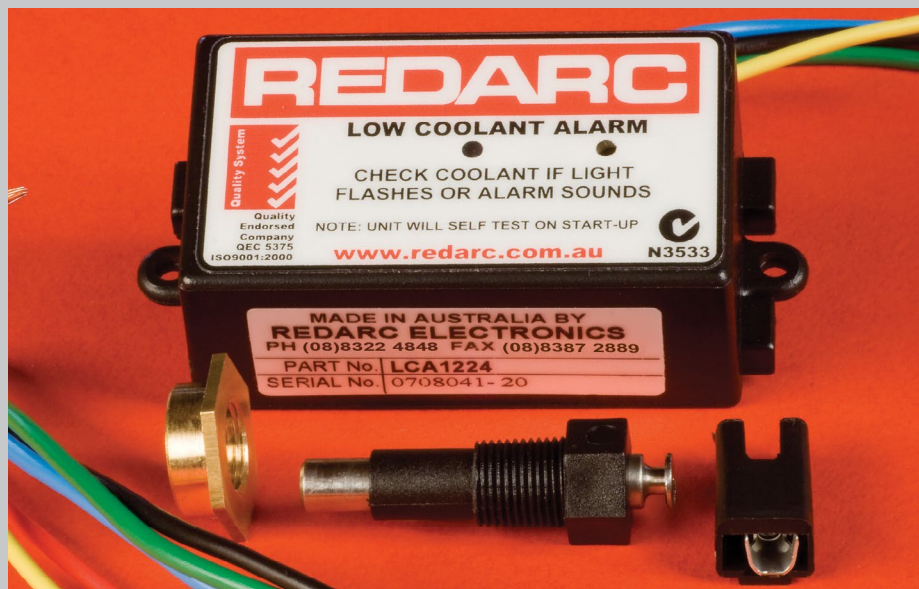
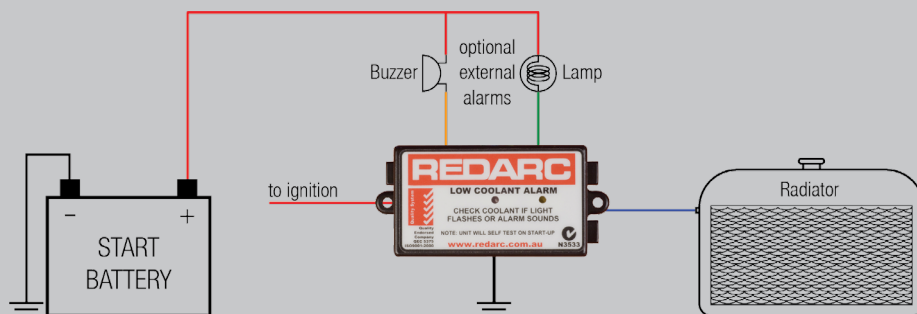
Important

The LCA1224 is an emergency warning system only.

It warns of a sudden loss of coolant while the vehicle is operating. It will provide an indication when gradual loss has reached the low level, but **should not be used to avoid regular visual checks of the cooling system.**

In the event of any loss of coolant, the cause should be investigated rather than just using the LCA1224 as a reminder to top up the radiator.

LCA1224 standard installation



Specifications

Part number	LCA1224
DC input voltage range	11V-32V
Current draw (alarm off)	<2mA
Current draw (alarm on)	15mA
Audible warning	Piezzo buzzer
Visual warning	Red LED
External warning outputs	Ground output (0.5A max)
Weight	65g
Dimensions	65mm x 40mm x 25mm
Warranty	2 years

See the REDARC LCA1224 Low Coolant Alarm at your nearest auto-electrician or 4WD specialty store.



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