

THERMAL SWITCH/BUZZER - OVERHEATING WARNING

Whilst the temperature gauge should indicate signs of overheating a more indicative & noticeable warning may be initiated simply by the use of a suitable thermal switch and buzzer.

Components required

Either a NC or NO thermal switch rated to open or close at 120c (Celsius). Suitable switches are easily and cheaply sourced from Ebay, the NC type being the more popular.

A change-over relay if using a NC switch.

A suitable buzzer, item AB-3452 from Jaycar Electronics or similar.

Installation

I have attached the thermal switch to a suitable aluminium bracket attached via a bolt holding the top chain tensioner to the front right hand side of the cylinder head.

Buzzer should be located under the dashboard.

Wiring is per diagrams shown. Note, change-over relay is only required if NC switch is used.

I have located the relay adjacent to 2 dummy connectors found on the right hand side front chassis rail adjacent to the front of the engine. A ignition on power source wire may be sourced here with a white/green wire going to the dummy connector closest to the mudguard.

Operation

NC switch - when ignition switched on, relay activates via earth through thermal switch & buzzer has no power (relay contact moves to 87b) When switch opens at 120c, no earth is available & relay switches off, allowing ignition power from 30 through to 87a & on to buzzer.

NO switch - simpler system, buzzer is connected to ignition power & earth is only provided when switch closes at 120c

