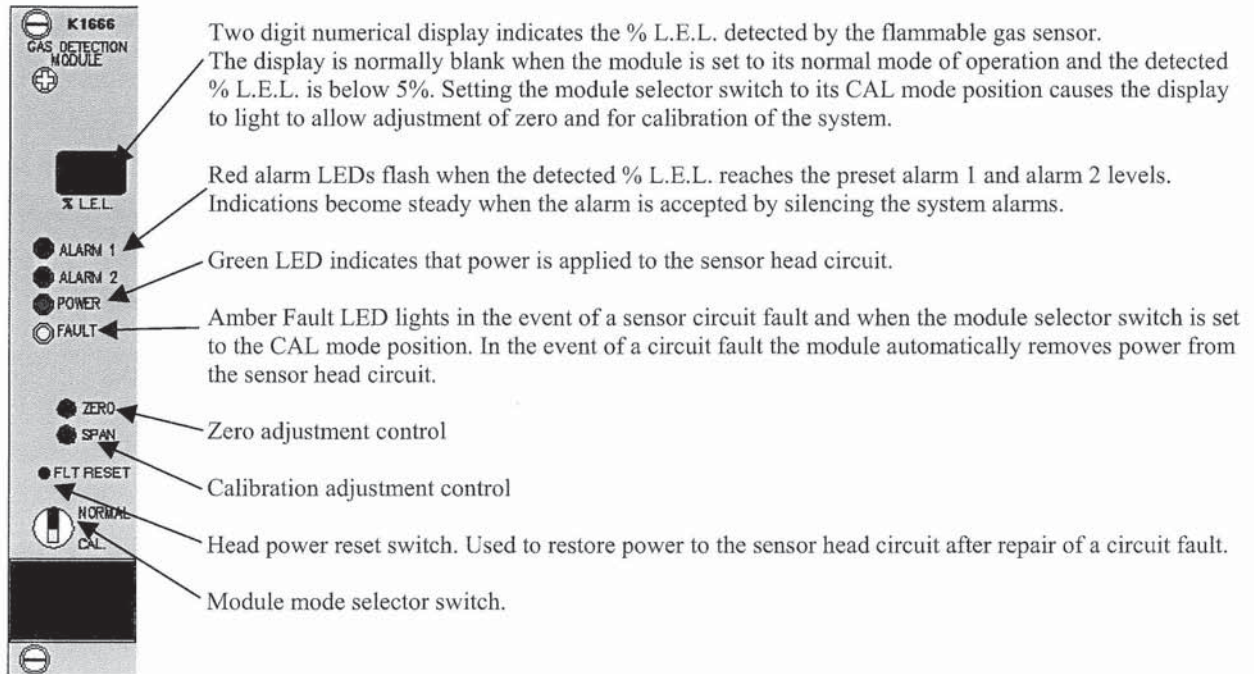


2.3.4.3 K1666 - Flammable Gas Detection Module



The K1666 module provides a single channel gas detection function and allows for connection of flammable gas sensors which provide a 4 – 20mA output.

The module display is calibrated during the commissioning stage by adjusting the 'Span' whilst applying a known concentration gas to the sensor. In operation the module provides a direct indication of the % L.E.L. (Lower Explosive Limit) of the gas. The module provides a display blanking facility such that levels below 5% L.E.L. are not displayed.

Internally mounted switches and controls on the module allow setting of two independent alarm levels. In operation the module signals the alarm conditions to the system common control module when the % L.E.L. reaches the preset alarm levels.

The sensor circuit is monitored for open and short circuit cable faults and in the event of a fault occurring the module automatically removes power from the sensor circuit in order to maintain safety. Power is restored to the sensor circuit by operation of the 'FLT RESET' switch.

A 2 position switch on the front of the module allows the user to carry out calibration and test functions without raising gas detection alarms. When the switch is set to the 'CAL' position the system common control module responds by raising a fault alarm but does not react to the 2 alarm level signals.