

### **FEATURES**

- \* ENCAPSULATED ELECTRONICS**
- \* PRE-WARNING BEFORE SHUT-DOWN**
- \* DEDICATED WIRING HARNESS**
- \* SELF DIAGNOSTICS**
- \* FAULT INDICATION DISPLAY UNIT**
- \* TAMPER PROOF CONTROL MODULE**
- \* WATERPROOF ELECTRONICS**
- \* VIBRATION PROOF**
- \* NO MAINTENANCE REQUIRED**
- \* AVAILABILITY AND SERVICE NATIONWIDE**
- \* SUITABLE FOR ALL DIESEL AND PETROL POWERED VEHICLES**

### **INTRODUCTION**

Engine failure is the transport industry's nightmare. It involves untimely expensive repairs, which upset the repairs and maintenance budget, causes late deliveries, involves downtime and loss of revenue of having to hire a replacement vehicle.

All these problems can be minimised by installing a **SAFESTOP** Engine Management System.

### **DESCRIPTION**

Equipment consists of an epoxy encapsulated control module, dedicated wiring harness, dashboard display unit and a high frequency Piezo buzzer. Standard engine equipment includes switches for low oil pressure, high water temperature low water level and a high flow fuel valve with all the necessary fittings and piping. If required, systems are available with a maximum of 5 protection circuits. Extras can include switches for engine, transmission and hydraulic oil temperatures and levels.

### **FUNCTION**

The system's uniqueness is its built in diagnostics and pre-warning functions.

If any circuit is tripped due to a pre-set parameter being exceeded, switch failure, or loss of continuity of a signal wire, the driver is alerted to the impending shut down of the engine by the appropriate circuit light and buzzer. This 10 second pre-warning allows the driver to take necessary action by moving the vehicle to the side of the road before engine power loss occurs.

By virtue of the priority fault circuit and the in-cab display unit, the system is self-diagnostic. If any, or all circuits trip, only one control light indicates at a time. Downtime is reduced dramatically as the fault, which caused the breakdown, is immediately identified. When rectified, the system indicates the next fault (if present) or returns to the normal start mode.

*The **SAFESTOP** Engine Management System is fail-safe and any fault with the engine switches, wiring or main control module causes the engine to shut down. Simply put, if the vehicle leaves the depot the system is working.*