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12. The system of claim 11 including a plurality of filters each for passing a different band of frequencies and each coupling from the oscillator to different load devices.

13. The system of claim 8 further comprising a power providing source coupled to at least the memory storage means and sensors of the system and a memory device coupled to the power providing source to sense the disconnection of the source from the system.

14. The system of claim 13 wherein the memory means and memory device include a bistable flip-flop having a reset input and said means for causing a fault indication comprises an indicator circuit including a charging circuit and an indicator lamp.

15. The system of claim 3 wherein said sensing means includes a current sensor resistor and said means coupled from said sensing means to said indicator means comprises a circuit including a capacitor, a diode and a variable resistor, said capacitor, diode and variable resistor being coupled across said sensor resistor and said indicator means comprising a lamp coupled across said capacitor.

16. The system of claim 15 including a bistable flip-flop coupled to the capacitor and set when the capacitor is sufficiently charged.

17. The system of claim 3 wherein said sensing means includes a current sensor resistor and said means coupled from said sensing means to said indicator means comprises a circuit including a capacitor, said indicator means including a lamp and means for coupling the lamp across the capacitor whereby when the load device is operative the capacitor is discharged to a sufficient low level to maintain the indicator lamp off and when the load device is inoperative the capacitor is charged to a sufficient level to turn the indicator lamp on thereby indicating a fault of the load device.

18. A system for use in a motor vehicle to determine the fault of a load device comprising;
a source of power,
means defining a first path coupled from the source for carrying the normal operating power to the load device,
oscillator means for establishing a cyclic signal,
means defining a second path coupled from the oscillator means for coupling the cyclic signal directly to the load device,
indicator means,
said means defining a second path including filter means for passing signals of a predetermined band of frequencies and means for sensing a change in current flow in the second path upon the occurrence of a fault in the load device to operate the indicator means.

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19. A system as set forth in claim 18 wherein said means defining a first path includes a first unilaterally conducting device and said means defining a second path including a second unilaterally conducting device.

20. A system as set forth in claim 18 wherein said oscillator means establishes a square wave signal of low duty cycle.

21. A system as set forth in claim 18 including an operating switch for the load device disposed in the first path.

22. A detection system for a vehicle having a load device comprising;

a sensor for monitoring a predetermined condition, said sensor having an actuated state when a fault occurs in the load device and an unactuated state in the absence of a fault,

means responsive to the state of the sensor for causing a fault indication detectable by the driver of the vehicle when the sensor assumes its actuated state, memory storage means responsive to the state of said sensor for setting said storage means to a fault indicating state when said sensor assumes its actuated state,

a source of power disposed in the vehicle and including means for providing power to the memory storage means and sensor,

and a memory device coupled to the source of power to sense the disconnection of the source of power from the memory storage means.

23. In a motor vehicle having a driving compartment, a number of electrical load devices and means including separate conductor means for providing power to each of the load devices for operation thereof, a system for monitoring the operable condition of each load device comprising;

a display console disposed in the driving compartment and including a plurality of indicator means one being associated with each load device,

means for establishing a cyclic signal,
means coupling said cyclic signal to at least one of said conductor means and including means for sensing a change in state of the load device from an operative to inoperative state,

said means coupling said cyclic signal including a plurality of narrow band filters each for passing a different band of frequencies and each coupling from the means for establishing a cyclic signal, and means coupled from said sensing means to said indicator means and responsive to said load device assuming its inoperative state to operate the corresponding indicator means of the display console.

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