



ABSTRACT OF THE DISCLOSURE

A LOAD OVERCURRENT ALARM DEVICE AND A CONNECTOR OVERHEAT ALARM DEVICE

A device mounted on a connector, such as a receptacle, a plug and a patchboard etc., capable of sending alarm signal for load overcurrent and/or connector overheat caused by overload. The load overcurrent alarm device includes: a current detecting circuit for detecting the signal based on the load current change, a voltage signal corresponding to the alarm current being modulated out after amplified and rectified by an amplifier, through filtering, to control the circuit for comparing and outputting, the flash alarm and the audio alarm circuits; the connector overheat alarm device includes a temperature detecting circuit coupled with the power source, for detecting temperature changes of a connector and outputting in voltage form to the circuit for comparing and outputting ; the circuit for comparing and outputting, comparing the voltage which comes from the temperature detecting circuit with a predetermined voltage to control the flash alarm circuit and the audio alarm circuit based on the comparison result.

FIGURE 1