

Title (en)

Thermal switch and control circuit for diesel engine glow plug control.

Title (de)

Thermischer Schalter und Steuerkreis für Dieselmotoren-Glühkerzen.

Title (fr)

Commutateur thermique et circuit de commande pour les bougies de préchauffage de moteurs diesel.

Publication

EP 0043577 A2 19820113 (EN)

Application

EP 81105241 A 19810706

Priority

US 16633780 A 19800707

Abstract (en)

The thermally actuated switch comprises an elongate thermal strip supported at one end by a bolt (18). The free end is bifurcated to form a contact arm (20) and a compensator arm (22) extending parallel to each other but being movable relative to each other on flexing of the arms. An electrical heater element (26) is provided between the bifurcated section and the bolt. At least the part of the arm adjacent the heater is a bimetallic strip. The contact arm (20) supports a moving contact (32) which moves between fixed contacts (34,36) supported on a base (12) by an insulating support (38) and contact fingers (40,42). Movement of the compensator arm (22) is limited by adjustable screw stops (44,46) adjustably supported on brackets (48,50). The switch is used in control of diesel engine glow plugs where a constant thermal operating time is required over a lower ambient temperature range and under compensated performance is required at higher engine temperatures.

IPC 1-7

H01H 37/10

IPC 8 full level

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CPC (source: EP)

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