

Title (en)

IMPROVEMENTS RELATING TO THERMAL CONTROLS FOR ELECTRIC HEATING ELEMENTS

Title (de)

VERBESSERUNG BEZÜGLICH EINER TEMPERATURREGELUNG FÜR ELEKTRISCHE HEIZELEMENTE

Title (fr)

AMELIORATIONS RELATIVES AUX COMMANDES DE TEMPERATURE D'ELEMENTS CHAUFFANTS ELECTRIQUES

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Application

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Abstract (en)

[origin: WO9953513A1] A contactstat thermal sensor comprises a snap acting disk bimetal housed under a thermally conductive end cap fitted to a sensor body and operating a set of primary switch contacts via a push rod. For providing secondary protection, operable in the event that the primary protection afforded by the bimetal fails to operate, the moving contact of the primary switch contacts is provided at one end of a spring metal beam and the other end of the beam is held down, against its spring bias, in electrical contact with a terminal part of the sensor by means of a fusible rod arranged to melt and release the spring metal beam, thereby disrupting the electrical path through the sensor, in the event that the fusible rod is subjected to a temperature above the normal operating temperature of the bimetal.

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