

Title (en)

Pressure switch with two inverse thresholds.

Title (de)

Druckschalter mit zwei entgegengesetzten Schwellwerten.

Title (fr)

Mano-contact à deux seuils inversés.

Publication

EP 0244290 A1 19871104 (FR)

Application

EP 87400832 A 19870413

Priority

FR 8605376 A 19860415

Abstract (en)

[origin: US4778963A] The invention relates to a pressure switch comprising an insulating housing fitted with contact tabs and receiving moving contact members, a conductive washer, and a membrane subjected to pressure. The pressure switch includes two moving insulating members (15, 19), two contact members (16, 20), two associated springs (17, 21), and a pusher (14) which is conductive and in contact with the membrane. The fixed conductive washer (11) has a central hole through which a cylindrical projection provided on one of the insulating moving members (15) passes, with a rod on the pusher (14) sliding inside said cylindrical projection so that the insulating moving members (15, 19), the contact members (16, 20), and the associated springs (17, 21) are all disposed on the same side of the fixed conductive washer which therefore constitutes one end of the cavity (9) in the insulating housing. The invention is applicable to monitoring and providing warnings concerning pressure variations going beyond one or other of two predetermined thresholds, and in particular to monitoring hydraulic circuits in vehicles provided for lubrication or for braking purposes. These thresholds may respectively indicate that the pressure is too low or too high.

Abstract (fr)

L'invention concerne un mano-contact comportant un boîtier isolant portant des languettes de contact, et recevant des organes mobiles de contact, une coupelle conductrice, et une membrane soumise à la pression. Conformément à l'invention, le mano-contact comporte deux organes mobiles isolants (15, 19), deux organes de contact (16, 20), deux ressorts de maintien (17, 21), et un poussoir (14) en contact avec la membrane qui est conducteur ; la coupelle fixe conductrice (11) présente un trou central par lequel passe un appendice cylindrique prévu sur l'un (15) des organes mobiles isolants, appendice dans lequel coulisse la tige du poussoir (14) de sorte que les organes mobiles isolants (15, 19), les organes de contact (16, 20), et les ressorts de maintien (17, 21) soient tous disposés du même côté de la coupelle fixe conductrice qui sert alors de fond à la cavité (9) du boîtier isolant. Application au contrôle et à l'alerte en cas de variations de pression dépassant un double seuil prédéterminé, notamment pour les circuits hydrauliques de véhicules concernant le graissage ou le freinage.

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IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [AD] FR 2513313 A1 19830325 - TURATTI MARIO [IT]
- [AD] FR 2521341 A1 19830812 - JAEGER [FR]

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