

Title (en)
PRESSURE SWITCH WITH TWO INVERSE THRESHOLDS

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Application
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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.

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