

Title (en)

Switch controlled as a function of the pressure.

Title (de)

Druckabhängig gesteuerter Schalter.

Title (fr)

Interrupteur commandé en fonction de la pression.

Publication

EP 0206132 A2 19861230 (DE)

Application

EP 86107993 A 19860611

Priority

DE 3521646 A 19850615

Abstract (en)

[origin: US4692574A] A differential pressure responsive switch utilizes an operating diaphragm which has a position controlled by a pressure being monitored with the diaphragm acting through a transmission member upon an electrical switch and includes a first chamber divided by a control diaphragm and having an inlet for the pressure to be monitored to one side of the control diaphragm while the other side of the control diaphragm carries a closure member for an adjacent bleed valve seat. An inlet for the bleed valve is connected via a throttle to a source of a pressurized gas and to a second chamber defined by the operating diaphragm and a spring is engaged through the transmission member to urge the operating diaphragm against the pressure in the second chamber.

Abstract (de)

Zur Überwachung niedriger Luft- oder Gasdrücke mittels eines über eine Membran (3) betätigbaren elektrischen Schalters (8) wird der zu überwachende Druck zunächst pneumatisch verstärkt. Er wirkt auf die den Schließkörper (16) eines Abblasventils (15, 16) tragende Membran (17) eines pneumatischen Verstärkers ein, der über eine Drossel (14) mit einem Versorgungsdruck (PG) gespeist wird (Fig. 1).

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H01H 35/26

IPC 8 full level

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CPC (source: EP US)

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