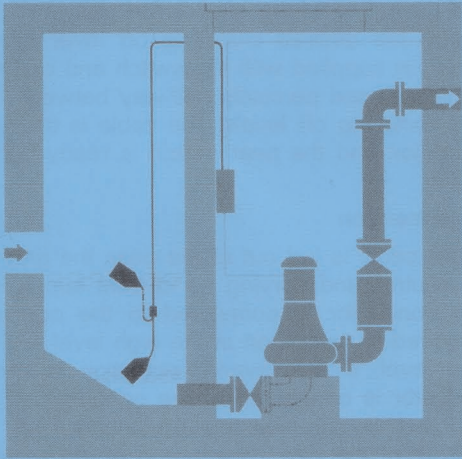




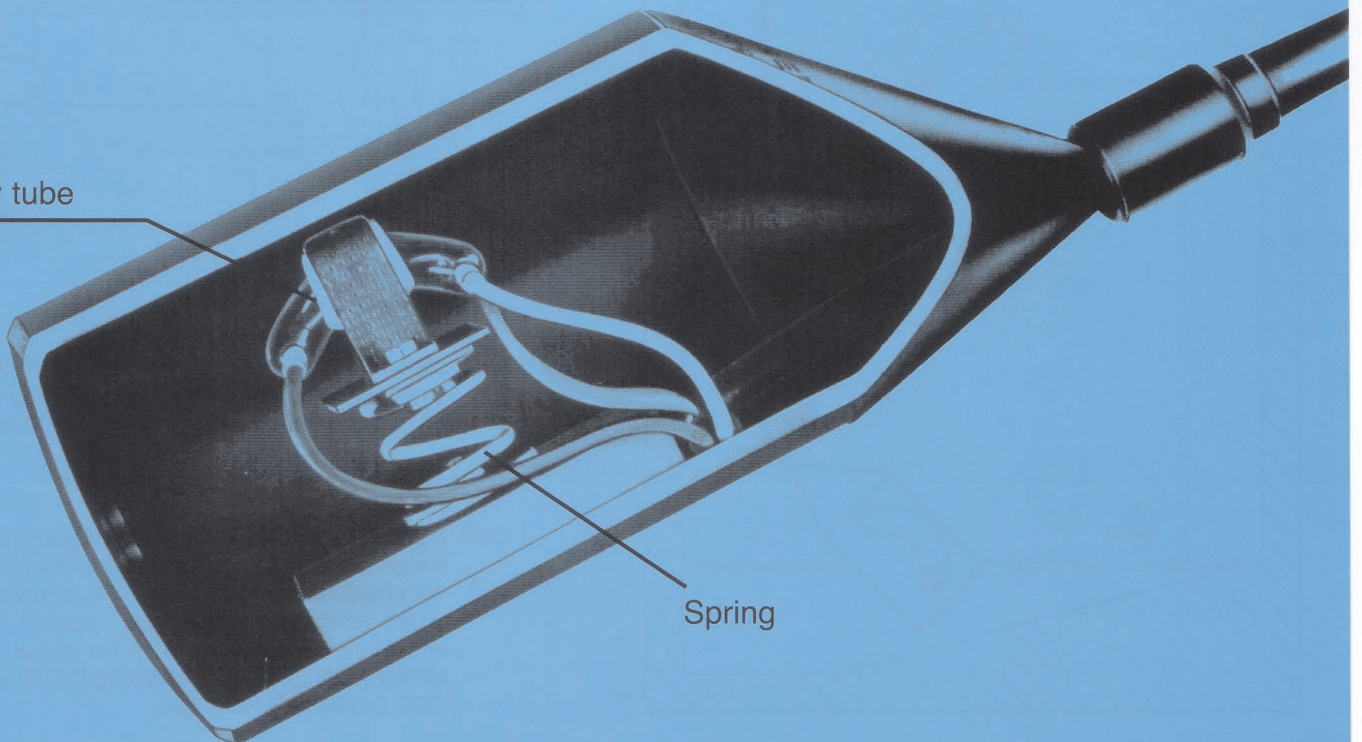
HUBER GMBH
Level controls

HUBER PEAR SWITCH
part no. 130.00



for fluid level control

Mercury tube



Spring

Switch rating 3A (change-over contact)
 Pressure tight up to 5 bar (70 psi) - Vacuum tight
 Insensitive to solvents, lye solutions, oils, petrol
 Resistant to temperatures up to 70°/100° C resp. 160°/215° F

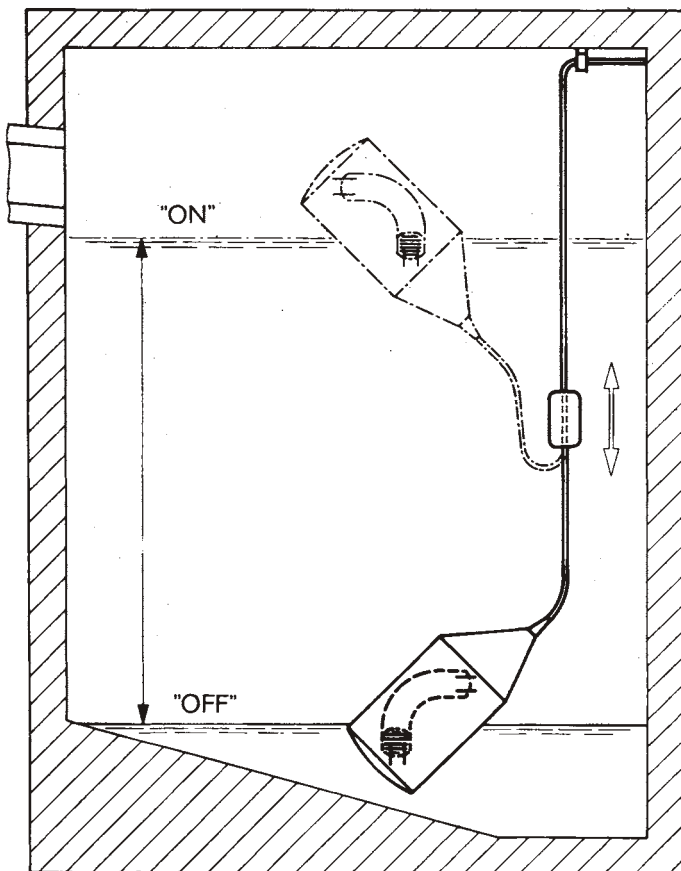
Dimensions: 85 mm. (3³/₈" dia., 205 mm (8¹/₈" length
 Minimum switching level differential: OFF-ON 250 mm (10")
 Weight: without cable, 500 gr. (18 oz.) approx.
 Uplift: 420 gr. (15 oz.) approx.

Description

The HUBER pear switch has made it possible for the first time to actuate a make-and-break contact at the desired switching levels by means of only one pear switch; it can be supplied either as a "make" or as a "break" contact. Its straightforward design and robust construction ensure the highest operating reliability and an exceptionally long life.

The switching over is operated by a mercury tube, as soon as a gradient of 45° - upwards or downwards - is exceeded.

The casing made of polyamide resists nearly all strokes, pressures and aggressive media.

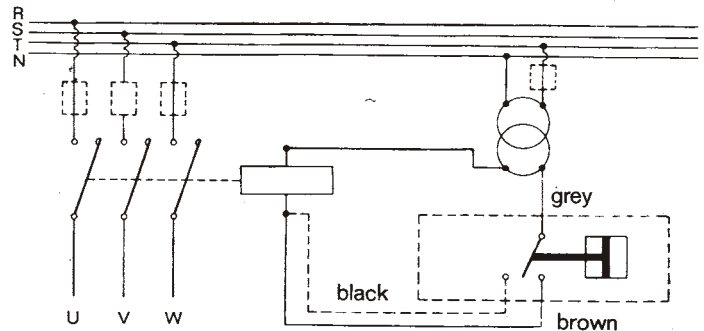


Mounting and Adjustment

The fitting of the pear switch is simplicity itself: the cable is attached in such a fashion to the coverplate of the pump pit that the centreline of the suspended pear switch is situated exactly at the desired switching off level. The separate weight, which is supplied with the switch and can slide along the cable, is fastened precisely half-way between the switching on and switching off levels. The cable is then connected to the contactor, and the pear switch is ready for operation.

Electrical connection

A three core cable is led out of the pear, the grey conductor being the neutral, and serving as current supply conductor; the brown conductor is connected to the contactor if the pear is required to switch on at the high level and switch off at the low level; if the reverse actuation is required, the black conductor is connected to the contactor. A holding or locking contact is unnecessary, on account of the steep angle of tilting of the pear switch, and of the resulting absolutely clear switching on and off pulses.



Part numbers - composition of set

130.00: standard set from stock: pear switch with counter weight and 10 m highly flexible cable with coating of HYPALONE (resistant to temperatures up to 70° C resp. 160° F)

130.01: cable of different length as per order

130.03: cable with coating of silicone caoutchouc (resistant to temperatures up to 100°C resp. 215° F). With this cable it is not possible to install a change-over contact but only to install a "make" or a "break" contact. Therefore the sequence of switching must be stated in your order: **UPWARDS ON, DOWNWARDS OFF or UPWARDS OFF, DOWNWARDS ON.**

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