



FILTES MANOMETERS AND AIR DIFFERENTIAL PRESSURE SWITCHES

DB-M...P...

FUNCTION

Differential pressure visualization of air or non aggressive and non inflammable gases with alarm at a pre-set value.

The compact unit is complete of:

- differential manometer with inclined liquid tube;
- differential pressure switch.

APPLICATIONS

Well-suited in domestic, commercial and industrial strong polluted areas in air conditioning systems for:

- filter monitoring;
- correct fan operating control;
- low pressure and overpressure monitoring.

TYPE	MANOMETER RANGE Pa	PRESSURE SWITCH RANGE Pa	DIFFERENTIAL Pa	MAX. PRESSURE kPa
DB-M6	0...600			200
DB-M6P6	0...600	40...600	30	50
DB-M10	0...1500			200
DB-M10P13	0...1500	100...1300	80	50

TECHNICAL DATA

Materials: ABS, PMMA, PC
Sealings: NBR
Storage: DB-M...: -45...+70 °C
 DB-M...P...: -25...+70 °C
 < 95% r.h.
Size: 290 x 140 x 64 mm

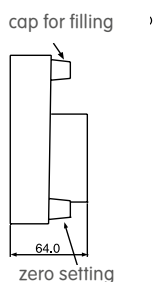
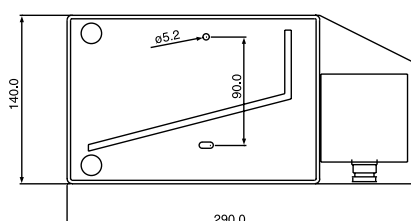
MANOMETER

Fluid: ISO-paraffin with density at 15 °C
 d = 0.786 kg/dm³, red colour
 DB-M6P6
 DB-M10P13
 d = 1.870 kg/dm³, blue colour
Working: -40...+60 °C
 10...90% r.h. (without condensing)
Max pressure: 200 kPa
Accuracy: 5 Pa

PRESSURE SWITCH:

Contact: dust-tight microswitch with SPDT contacts
Switch capacity: 3 (2) A, 250 Vac
Differential: fixed (see schedule)
Working: -20...+60 °C
 10...90% r.h. (without condensing)
Max pressure: 50 kPa
Protection: IP54, class II
Electrical Connection: with terminals and grommet PG9
Weight: 400...820 g

DIMENSIONS (mm)



GENERAL FEATURES

The compact unit is complete of:

- a differential manometer with an inclined liquid pipe, complete of tank to allow temporary overpressure,
- a bottle containing indication liquid and 2 stickers (red/green);
- a differential pressure switch connected to the manometer with PVC hose, complete of pressure adjustment knob, terminals for electrical connections and cable gland PG 9 (protection class according to EN 60529: IP54);
- PVC hose Ø 4 x 7 - 2,2 m length, pipes and fixing screws.

WIRING DIAGRAM

The contact 1 - 2 closes and the contact 1 - 3 opens when the differential pressure rises (fig. 1):

