

EPDS Differential air pressure



Description

EPDS differential pressure switches are designed for monitoring overpressure, negative pressure, and differential pressure in systems handling air and other non-aggressive gases.

These mechanical switches provide a cost-effective solution for pressure monitoring in filters, fans, blowers, ventilation ducts, and heat recovery ventilation systems. The switching setpoint can be manually adjusted.

Use

The pressure switch is particularly suitable for control and safety in air conditioning systems, providing indication of:

- fan failure;
- filter clogging;
- lack of airflow across electric heating coils.

It is intended for use in environments with non-aggressive and non-flammable air and gases.

Characteristics

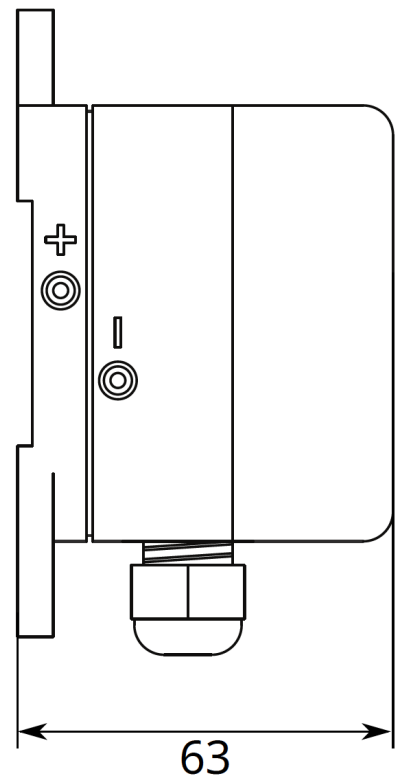
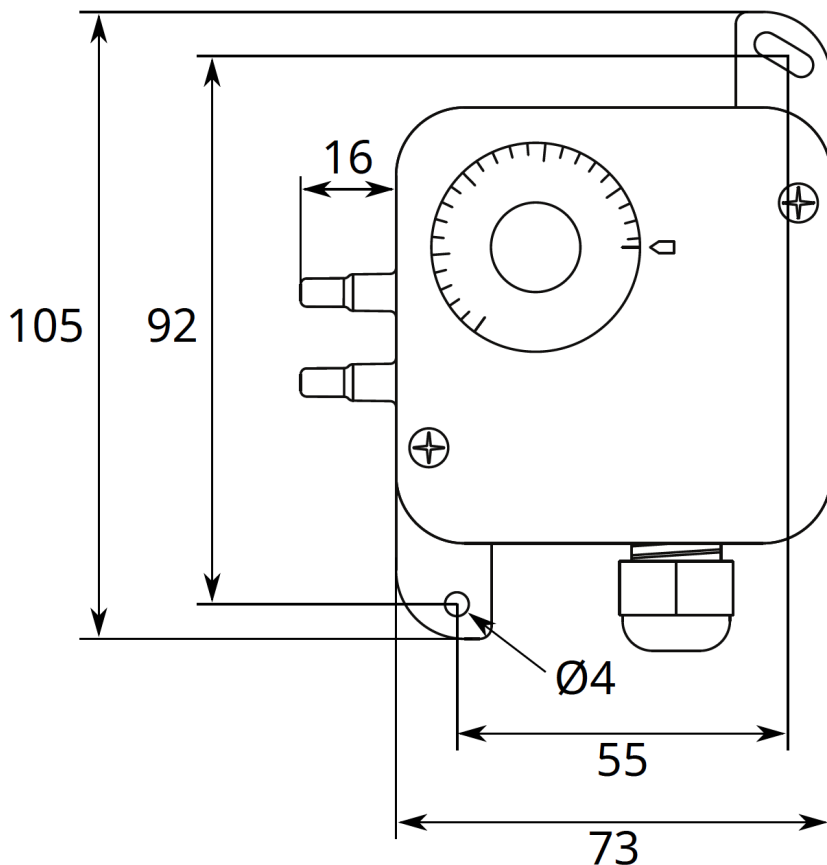
- Enclosure material: ABS plastic;
- Construction materials: ABS and PC plastic;
- Diaphragm: silicone;

Electrical connections:

- Terminal type: screw terminals;
- Cable cross-section: 0.2 to 1.5 mm² (24 to 16 AWG);
- Tightening torque: 1.5 Nm.

Technical data:

- Ambient temperature: -20 to +60 °C;
- Relative humidity: 0 to 95% RH (non-condensing);
- Protection rating: IP54;
- Dimensions: 90 × 105 × 63 mm (W × H × D);
- Weight: 150 g.

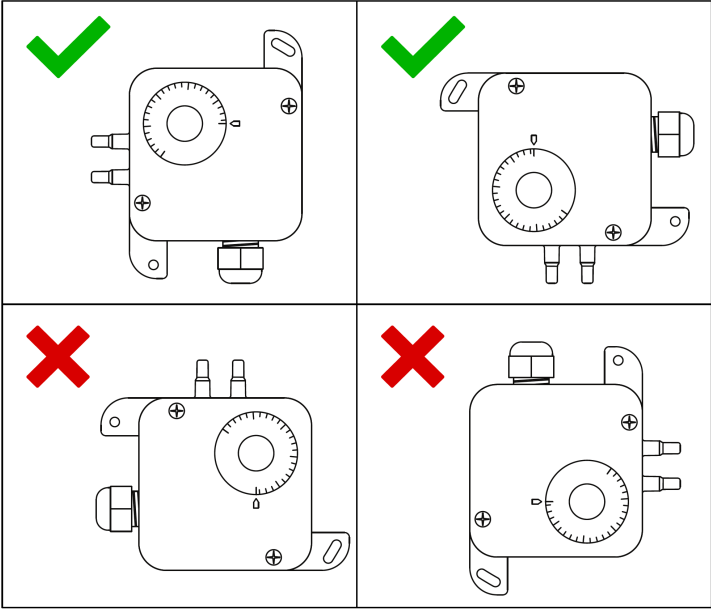


Operating Data

Pa: pressure drop in Pascal.

Models EPDS-200	EPDS-300	EPDS-500	EPDS-600	EPDS-1500	EPDS-4500
Scale (Pa) 20-200	30-300	30-500	40-600	100-1500	500-4500
Accuratezza	±8 Pa at lower range limit, ±15% at upper range limit			±20 Pa at lower range limit, ±15% at upper range limit	±100 Pa at lower range limit, ±15% at upper range limit
Differenziale commutazione (Pa)	25	25	35	80	250
Pressure Connections	Ø5 mm				
Electrical Contacts	NO/NC, contatto in scambio				
Electrical Characteristics	250 Vac, 0.1 A (res.) 250 Vac, 3 A (res.), 2 A (ind.)				
Electrical Wiring	M16 - 1,5mm ²				
Operating Temperature (°C)	-20...+60				
Protection Rating	IP54				

Installation



Price List

Tubes and pressure sockets to be purchased separately.

Models	Eur
EPDS-200	-
EPDS-300	-
EPDS-500	-
EPDS-600	-
EPDS-1500	-
EPDS-4500	-

Accessories

Description	Eur
Kit tubetti e prese di pressione per pressostato differenziale EPDS	-