

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.

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:

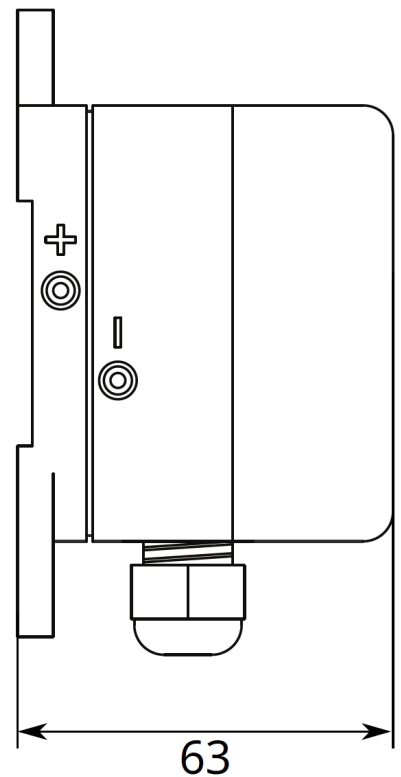
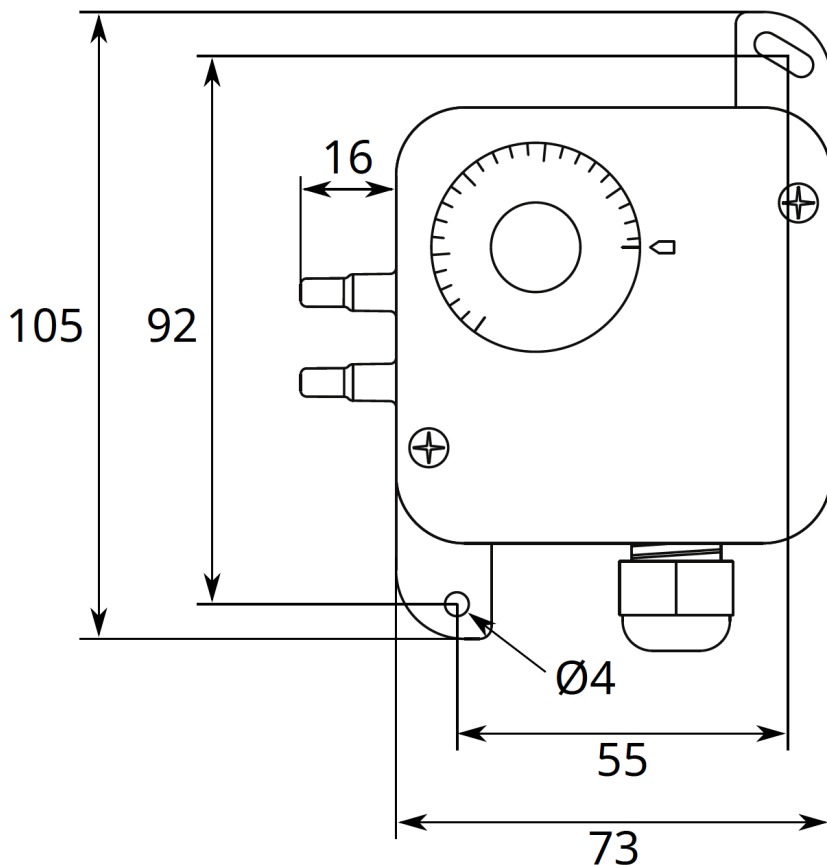
- Ambient temperature: -20 to +60 °C;
- Relative humidity: 0 to 95% RH (non-condensing);
- Protection rating: IP54;
- Dimensions: 90 × 105 × 63 mm (W × H × D);
- Weight: 150 g.

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.

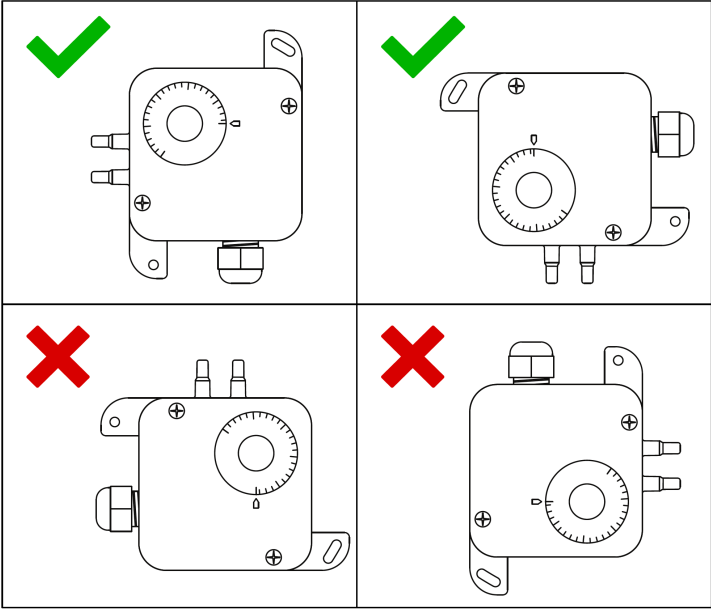


Operating Data

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	52,75
EPDS-300	52,75
EPDS-500	52,75
EPDS-600	52,75
EPDS-1500	52,75
EPDS-4500	52,75

Accessories

Description	Eur
Kit tubetti e prese di pressione per pressostato differenziale EPDS	9,83