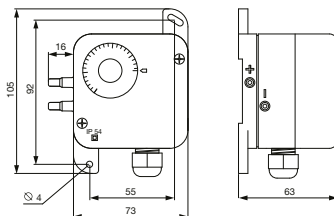


Pressure sensors

DTS PSA – differential pressure sensor



The differential pressure sensor is suitable e.g. for indicating clogged air filters, monitoring the integrity of V-belts etc. The differential pressure is set inside the sensor after the cover is removed.

- Range 20–200 Pa, 30–300 Pa, 30–500 Pa, 100–1500 Pa)
- switching tolerance ± 20 Pa
- medium air only
- max. load 250 V/3 A (2 A inductive)
- operating temperature range -20 to +60 °C
- storage temperature -20 to +85 °C
- protection IP54
- tubing diameter 5 mm
- switches out of contact when pressure rises 3 to contact 2
- dimensions 73 × 105 × 63 mm (W × H × D)



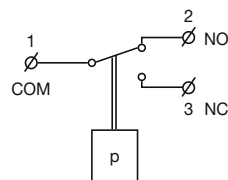
IRIS aperture (K 7.2)



MR measuring ring (K. 7.2)

IRIS orifices can be used as pressure sensors for flow or static pressure switching

MR measuring rings can be used as pressure sensors for flow or static pressure switching

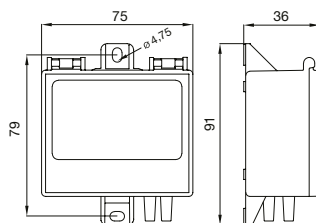


connects 1 (COM) and 2 (NO) at rising pressure

TDP-S, TDP-D, TDP-PI – differential pressure sensor with analogue output



TDP-D



- **TDP-S** differential pressure sensor, which is suitable for e.g. indicating clogging of air filters etc.
- **TDP-D** differential pressure transmitter with display, which is suitable for e.g. indication of clogged air filters etc.
- **TDP-PI** differential pressure transmitter with display and integrated PI control for setting the desired operating point, which allows direct control by a 0–10 V output signal (suitable for Ecowatt fans or VFTM and VFVN frequency converters)
- 2 m hose with $\varnothing 7$ mm included



IRIS aperture (K 7.2)



MR measuring ring (K. 7.2)

IRIS orifices can be used as pressure sensors for flow or pressure measurement

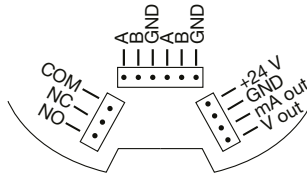
MR measuring rings can be used as pressure sensors for flow or pressure measurement

Type	power [VAC–VDC]	max. power [VA]	\varnothing N connect [mm]	output control voltage [mA]	cover	scope pressure [Pa]	dimensions W × H × D [mm]
TDP-S	24–24	4	6.2	0–10 V/4–20	IP54	0–2500	91×75×36
TDP-D	24–24	4	6.2	0–10 V/4–20	IP54	0–2500	91×75×36
TDP-PI	24–24	4	6.2	0–10 V/4–20	IP54	0–2500	91×75×36



CAV-COP control types (TDP-PI)

SENSO X – differential pressure sensor with 0–10 V output



GND measuring ground
24 VAC power supply
0–10 V output signal

The differential pressure sensor with 0–10 V output is suitable for controlling REV..E speed controllers.

- ranges from 0 to 1000 Pa
- voltage: 24 VAC, 50/60 Hz or 24 VDC
- Current draw: 24 V AC 58 mA, 24 V DC 32 mA
- output: 0...10 V (0.1 mA); 0–20 mA (max resistance 600 Ω)
- degree of protection: IP54 according to EN 60 529
- connection terminals for 0.2–1.5 mm²
- max. cable length at 1.5 mm² 90 m
- operating temperature: -5 to +65 °C
- PVC connecting tubing, outer Ø 6.2 mm
- dimensions 182 × 140 × 21 mm (W × H × D)



IRIS aperture
(K 7.2)



MR measuring ring
(K 7.2)

IRIS orifices can be used as pressure sensors for flow or pressure measurement

MR measuring rings can be used as pressure sensors for flow or pressure measurement