

Data Sheet - Controls and Accessories

Product Name: SP Air Proving Switch, Ducts, mtd.



A1 - Controls (2598427) Description

Condair APS-NA

The mechanical differential pressure switch ?, differential pressure monitor APS-NA with 4-hole plastic base ring is used for monitoring above-atmospheric, differential and below-atmospheric pressures of clean air and other gaseous, non-aggressive non-combustible media in air ducts, air intake or exhaust devices, as a pressure difference detector or pressure monitor for flow detection at electric heating registers, for monitoring V-belts and filters, as air pressure deficiency protection, for monitoring fans and air dampers, or as a limit value controller. The switchpoint is adjusted using the internal precision scale.

Pressure scale in inches of water ["WC]

These instruments are factory-calibrated. The differential pressure switch APS-NA is supplied including connection set (2 m connection hose, two pressure connection nipples, screws) and mounting ring.

A2 - Controls (2598427) Shop Drawing

GB APS

Rev. 2020-V16

The mechanical differential pressure switch / differential pressure monitor **APS** with 4-hole plastic base ring is used for monitoring above-atmospheric, differential and below-atmospheric pressures of clean air and other gaseous, non-aggressive non-combustible media in air ducts, air intake or exhaust devices, as a pressure difference detector or pressure monitor for flow detection at electric heating registers, for monitoring V-belts and filters, as air pressure deficiency protection, for monitoring fans and air dampers, or as a limit value controller. The switchpoint is adjusted using the internal precision scale.

These instruments are factory-calibrated. The differential pressure switch APS is supplied including connection set (2m connection hose, two pressure connection nipples, screws) and mounting ring

TECHNICAL DATA	
Switching capacity: (Contact load)	5 (0.8) A, 250 V AC 4 (0.7) A, 30 V DC
Contact:	single-pole potential-free changeover contact, multi-layer contact, gold-plated (DDC compatible)
Pressure range:	see table, high adjustment accuracy due to individual laser-etched scale for each switch
Housing:	base: material PC (10% GF), colour light grey (similar to RAL 7035), snap-on lid: material PC, transparent, cable gland PG 11 with strain relief
Temperature of medium:	-30...+85 °C
Membrane:	silicone, LSR (Liquid Silicon Rubber, tempered at +200 °C, non-outgassing, LABS-free, no emission of varnish-adhesion inhibiting substances), long-term stability of switching points due to trapezoidal bead membranes
Humidity:	< 90% r.H., non-precipitating air
Electrical connection:	0.14 - 1.5 mm ² , via terminal screws with torsion protection
Pressure connection:	with connection nozzles for pressure hose Ø 6 mm
Mounting:	by 4-hole base ring, plastic (included in the scope of delivery), recommended mounting position: vertical (pressure connections downward) – factory setting, horizontal (cap up / down)
Protection class:	II (according to EN 60 730)
Protection type:	IP 54 (according to EN 60529) with top cover
Standards:	CE conformity, low-voltage directive 2014 / 35 / EU
Tests:	DVGW (according to DIN 1854), VDE 0630, EN 61058, directive on gas devices 2009 / 142 / EU, CE 0085 A P 0918
FUNCTION	Contact 1 - 2 breaks when pressure / differential pressure rises to the preset value. Contact 1 - 3 closes when pressure / differential pressure drops and can be used as signal contact.

APS Differential pressure switches with mounting ring, <i>Standard</i>				
Type WG03B	Pressure range (adjustable)		Operating Difference approx.	Max. Pressure
APS	<i>Standard</i>			Item No.
APS	20...300 Pa	(0.2...3.0 mbar)	0.1 mbar ± 15 %	5000 Pa (50 mbar)
APS-NA	0.08...1.206 inch WC	(0.2...3.0 mbar)	0.1 mbar ± 15 %	5000 Pa (50 mbar)

A3 - Controls (2598427) Wiring Diagram

Smartphone App - Condair Sensor Connect



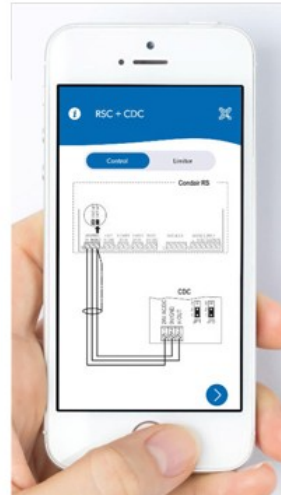
Scan the Sensor QR



Scan the Device QR



Get the Schematic



Get the Settings



The connection diagram quickly at hand

Condair has provided the spec labels of all sensors and humidifiers with a practical QR code so that you can quickly and conveniently view the respective connection diagram and unit configuration even without the technical manual.

Install the Condair Sensor Connect app once, open the app, scan the QR-code on the sensor as well as on the humidifier and get the relevant wiring diagram and configurations.

No matter whether you are online or offline.

Das Anschlussschema schnell im Griff

Die Typenschilder aller Fühler und die Luftbefeuchter hat Condair mit einem praktischen QR-Code versehen, sodass Sie auch ohne das Technische Handbuch, schnell und bequem das jeweilige Anschlussschema und Gerätekonfiguration ansehen können.

Einmal die Condair Sensor Connect App installieren, App öffnen, QR Code am Fühler und Luftbefeuchter scannen und das für Sie relevante Anschlussschema und Konfigurationen erhalten.

Egal ob online oder offline.