

Differential pressure sensor Air dual

Differential pressure transmitter with two independent measuring systems. With each 8 selectable ranges and one output 0...5 V/10 V. For monitoring the differential pressure of air and other non-flammable and non-aggressive gases. Typical application in HVAC systems for monitoring air filters, fans V-belts or fire and smoke control dampers. Options available with LCD display. IP65 / NEMA 4X rated enclosure.

Technical data sheet

22ADP-124..





Type Overview

	- CD			
	CD			
Technical Data				
Electrical data Nominal voltage AC/DC 24 V	AC/DC 24 V AC 1929 V / DC 1535 V			
Nominal voltage range AC 1929 V / DC 1535 V				
Power consumption AC 1.7 VA				
Power consumption DC 1.1 W				
	Pluggable spring loaded terminal block max. 2.5 mm ² Cable gland with strain relief Ø68 mm			
Cable entry Cable gland with strain relief Ø68 mm				
Functional data Sensor Technology Piezo measuring element				
Multirange 8 measuring ranges selectable	8 measuring ranges selectable			
Voltage output 2x 05 V, 010 V, min. load 10 kΩ	oad 10 kΩ			
Output signal active note Output 05/10 V selectable with switch	Output 05/10 V selectable with switch			
Display LCD, 29x35 mm				
with backlight				
	Measured values: Pa, inchWC (parametrisable) Air Adjustable 0.8 s or 4.0 s Differential pressure			
Measuring data Measuring values Differential pressure				
Measuring fluid Air and non-aggressive gases	Air and non-aggressive gases			
Measuring range settings pressure Setting range [Pa] range [inch Wo	C] Factory setting			
S0 02500 010	V			
S1 02000 08				
S2 01500 06				
S3 01000 04				
S4 0500 02				
S5 0250 01 S6 0100 00.4				
S7 -100100 -0.40.4				
	ce			
Accuracy pressure deviation compared to the reference devi				
Accuracy pressure deviation compared to the reference devi measuring range ≤500 Pa: ±5 Pa				
measuring range ≤500 Pa: ±5 Pa				



	Technical data sheet	22ADP-124			
	Housing	Cover: Lexan, orange Bottom: Lexan, orange			
		Seal: 0467 NBR70, black UV resistant			
Safety data	Ambient humidity	Max. 95% r.H., non-condensing			
	Ambient temperature	-1050°C [15120°F]			
	Fluid temperature	-1050°C [15120°F]			
	Protection class IEC/EN	III Safety Extra-Low Voltage (SELV)			
	Protection class UL	UL Class 2 Supply			
	EU Conformity	CE Marking			
	Certification IEC/EN	IEC/EN 60730-1 and IEC/EN 60730-2-6			
	Certification UL	cULus acc. to UL60730-1A/-2-6, CAN/CSA E60730-1:02			
	Degree of protection IEC/EN	IP65			
	Degree of protection NEMA/UL	NEMA 4X			
	Quality Standard	ISO 9001			

Safety notes



This device has been designed for use in stationary heating, ventilation and air-conditioning systems and must not be used outside the specified field of application. Unauthorised modifications are prohibited. The product must not be used in relation with any equipment that in case of a failure may threaten humans, animals or assets.

Ensure all power is disconnected before installing. Do not connect to live/operating equipment.

Only authorised specialists may carry out installation. All applicable legal or institutional installation regulations must be complied during installation.

The device contains electrical and electronic components and must not be disposed of as household refuse. All locally valid regulations and requirements must be observed.

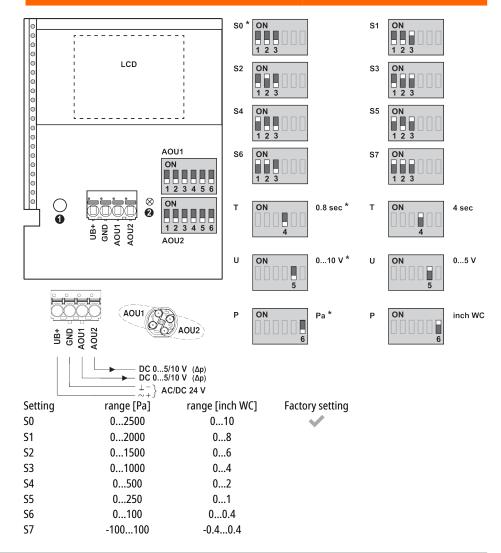
Remarks					
Manual Zero-Point calibration	Manual Zero-Point calibration In normal operation zero-point calibration should be executed every 12 months.				
	Attention! For executing zero-point calibration the power supply must be connected one hour before. • Release both connection tubes from the pressure terminals + and - • Press the button until the LED lights permanently • Wait until the LED flashes again and reinstall the connection tubes to the pressure ports (note + and -)				
Scope of delivery					
Scope of delivery	Description	Туре			
	Duct connector kit, PVC tube 2 m, 2 connection elements (Plastic) for 22ADP	A-22AP-A08			
	Mounting plate L housing	A-22D-A10			
	Dowel				
	Screws				

Optional accessories	Description	Туре	
	Duct connector, Metal, L 40 mm, Tube connection 5 mm	A-22AP-A02	
	Duct connector, Metal, L 100 mm, Tube connection 5 mm	A-22AP-A04	
	Connection adapter, M20x1.5, for cable 1x6 mm, Multipack 10 pcs.	A-22G-A01.1	

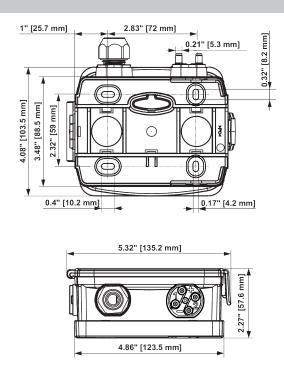
Wiring diagram



Technical data sheet



Dimensions



Туре	Weight		
22ADP-124D	0.44 kg		



Tec	63	6 -	110	Ch	oot
EU	6			21	

22ADP-124F

0.48 kg