3250e_MIS

Mounting Instruction

PDE2- Series (dP)

Air Differential Pressure Switch



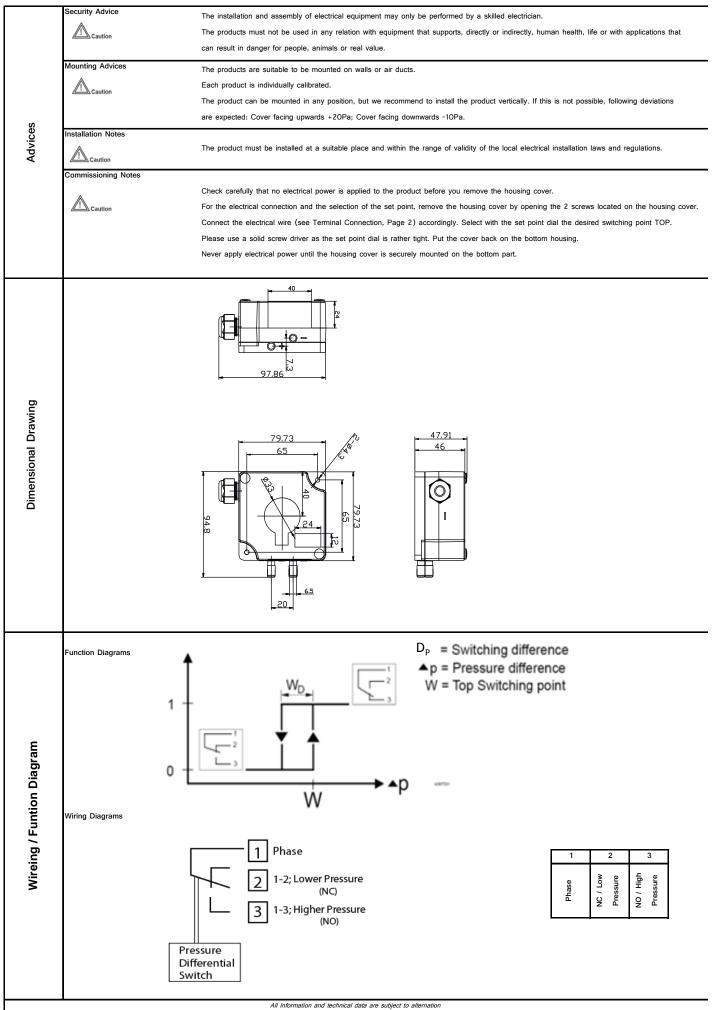
The PDE2-Series is designed to measure differential pressure in HVAC systems with non-flammable gases and non-aggressive gases. The control output is 2-point (ON/OFF). The differential switch has an internal set point adjuster.



	Canaar Chasification	M	Differential Air Deserves			
Sensor Specifications	Sensor Specification	Measured	Differential Air Pressure			
		Sensor Characteristics	Passive			
		Sensor Output (s)	ON / OFF			
		Measuring Range (s)	See Product Range, Page 1			
		Default TOP Switching Point (s)	See Product Range, Page 1 See Product Range, Page 1 2% Max. 7.5kPa			
		Differential Gap				
		Repeatability				
		Over Pressure				
		Switching Cycles	> 1.000.000			
	Electrical Information	Switch Type	Single-pole, change over contact			
		Terminal Clamp	Screw terminal, max. 2.5mm ²			
		Relay Rating	AC 250V, max. 3A; DC 30V, max. 2A			
	Mechanical Information	Connection Nozzle Dimension	Ø6.3 x 1.15mm, L=10mm			
		Cable Entry	M16, Ø6Ø8mm cables			
		Sensing Element Position	Internal, bottom of the housing			
	User Interface	Set Point Adjustments	See Product Range, Page 1			
		Release Button	No button / Automatically			
	Color and Materials	Housing Cover	White PC, RAL9010 (Pure White), with Clear Window			
		Housing Bottom	Grey PC, RAL7042 (Traffic Grey A)			
		Lock Screws	US:AISI 304; EU: EN X 6 CrNi 18 10; GER: W.N. 1.301			
		Lock Nuts	Brass			
		Cable Gland	Red ABS, RAL2002 (Vermilion)			
		Gland Rubber Seal	White TBS, RAL2002 (Vermilion) Red ABS, RAL2002 (Vermilion) Red ABS, RAL2002 (Vermilion)			
ū		Protection Caps				
		User element				
atic		Connection Nozzle				
ш		Diaphragm	Grey PC, RAL7042 (Traffic Grey A)			
for	Environmental Conditions		Silicone, emission free -25°C+70°C			
Technical Information	Environmental Conditions	Operation Temperature				
<u> </u>		Operation Humidity	<85% r.h., no condensation			
nic		Transport Temperature	-35°C+70°C			
ç		Transport Humidity	< 90% r.h.			
Te		Storage Temperature	-10°C+70°C			
		Storage Humidity	< 85% r.h., no condensation			
	Norms and Directives	IP- Rating	IP54 to IEC60529			
		Safety Class	III to EN 60 730			
		Product Standard 1	Automatic Electric. Controls for household and similar use			
		Product Standard 2	2009/EN 60 730-1			
		CE Conformities to	2004/108/EG Electromagnetic Compatibility EMV			
		CE Electromagnetic Compatibility Emitted Interference	2000/EN60730-1 Emitted Interference			
		CE Electromagnetic Compatibility Interference resistance	2000/EN60730-1 Interference Resistance			
		RoHS Compatibility	RoHS 2011/65/EC			
		Operation Climatic Condition	IEC 60 721-3-3			
		Operation Mechanical Condition	IEC 60 721-3-2 to class2M2			
		Transport to Climatic Condition	IEC 60 721-3-2			
		Transport Mechanical Condition	IEC 60 721-3-2 to class2M2			
		Storage Climatic Condition	IEC 60 721-3-1			
		Storage Mechanical Condition	IEC 60 721-3-1 to class2M2			
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	Pressure Range			Switching Differential			Switching Point			
Order Code	20200Pa	20300Pa	50500Pa	1001000Pa	5002500Pa	10Pa	20Pa	50Pa	100Pa	Default Value
PDE2.NAa	•					•				100Pa
PDE2.AAa		•				•				200Pa
PDE2.BAa			•				•			300Pa
PDE2.CAa				•				•		600Pa
PDE2.DAa					•				•	1500Pa



Thermokon Asia Pacific