

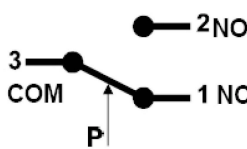
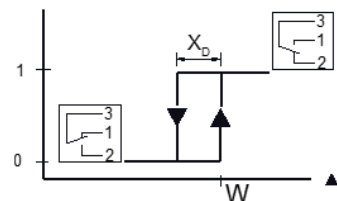


3255e_TI		Product Information																																																																																																				
PDE2-Series (dP)		Air Differential Pressure Switch																																																																																																				
<div>The PDE2-Series (dP) is designed to measure differential pressure of air, non-combustible, and non-aggressive gases in HVAC systems. The control output is 2-point (ON/OFF). The differential pressure switch has an internal set point adjuster.</div> <div></div>																																																																																																						
Use	<div>Compatible with all common HVAC DDC and Analog Controls Systems, with/without Building Automation System</div> <div>Used in all common HVAC applications</div> <div>Monitoring of primary or secondary air dampers</div> <div>Supervision of heating / cooling coils to prevent overheating / freezing</div> <div>Monitoring of fans and fan belts</div>																																																																																																					
Features	<div>2-point (ON/OFF) output</div> <div>Internal set point adjuster</div> <div>Long-term stability of the measuring element</div> <div>Professional and practical product design, withstands rough environmental conditions</div> <div>Easy to use, install and maintain</div>																																																																																																					
Product Range	<table><tr><th rowspan="2">Order Code</th><th colspan="6">Pressure Range</th><th colspan="4">Switching Differential</th><th>Switching Point</th></tr><tr><th>20...200Pa</th><th>30...300Pa</th><th>50...500Pa</th><th>200...1000Pa</th><th>500...2500Pa</th><th>300...1500Pa</th><th>10Pa</th><th>20Pa</th><th>100Pa</th><th>150Pa</th><th>Default Value</th></tr><tr><td>PDE2.NAb</td><td>●</td><td></td><td></td><td></td><td></td><td></td><td>●</td><td></td><td></td><td></td><td>100Pa</td></tr><tr><td>PDE2.AAb</td><td></td><td>●</td><td></td><td></td><td></td><td></td><td>●</td><td></td><td></td><td></td><td>150Pa</td></tr><tr><td>PDE2.BAb</td><td></td><td></td><td>●</td><td></td><td></td><td></td><td></td><td>●</td><td></td><td></td><td>250Pa</td></tr><tr><td>PDE2.CAb</td><td></td><td></td><td></td><td>●</td><td></td><td></td><td></td><td></td><td>●</td><td></td><td>500Pa</td></tr><tr><td>PDE2.DAb</td><td></td><td></td><td></td><td></td><td>●</td><td></td><td></td><td></td><td></td><td>●</td><td>1250Pa</td></tr><tr><td>PDE2.EAb</td><td></td><td></td><td></td><td></td><td></td><td>●</td><td></td><td></td><td>●</td><td></td><td>750Pa</td></tr></table>							Order Code	Pressure Range						Switching Differential				Switching Point	20...200Pa	30...300Pa	50...500Pa	200...1000Pa	500...2500Pa	300...1500Pa	10Pa	20Pa	100Pa	150Pa	Default Value	PDE2.NAb	●						●				100Pa	PDE2.AAb		●					●				150Pa	PDE2.BAb			●					●			250Pa	PDE2.CAb				●					●		500Pa	PDE2.DAb					●					●	1250Pa	PDE2.EAb						●			●		750Pa
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Sensor Specification	Sensor Specification	Measured Sensor Characteristics Sensor Output (s) Measuring Range (s) Default Switching Point (s) Switching Differential Tolerance / Repeatability Max. Over Pressure Switching Cycles	Differential Air Pressure Passive ON / OFF See Product Range, Page 1 See Product Range, Page 1 See Product Range, Page 1 15% / 2% Max. 10.0kPa > 1.000.000						
	Technical Information	Electrical Information Mechanical Information User Interface Color and Materials Environmental Conditions Norms and Directives	Switch Type Terminal Clamp Relay Rating Connection Nozzle Dimension Cable Entry Sensing Element Position Set Point Adjustments Release Button Housing Cover Housing Bottom Lock Screws Lock Nuts Cable Gland Gland Rubber Seal Protection Caps User element Connection Nozzle Diaphragm Operation Temperature Operation Humidity Transport Temperature Transport Humidity Storage Temperature Storage Humidity IP- Rating Safety Class Product Standard 1 Product Standard 2 CE Conformities to CE Electromagnetic Compatibility Emitted Interference CE Electromagnetic Compatibility Interference Resistance RoHS Compatibility Operation Climatic Condition Operation Mechanical Condition Transport to Climatic Condition Transport Mechanical Condition Storage Climatic Condition Storage Mechanical Condition						
Connection		<table><tr><td>1</td><td>2</td><td>3</td></tr><tr><td>NC / Low Pressure</td><td>NO / High Pressure</td><td>Common</td></tr></table>   <p>X_0=Switching difference ΔP=Pressure difference W=Top Switching point</p>	1	2	3	NC / Low Pressure	NO / High Pressure	Common	
	1	2	3						
NC / Low Pressure	NO / High Pressure	Common							
Miscellaneous	Accessories	Mounting Kit, Included in delivery	2 plastic tubes; 2m soft PVC hose						
	Shipping & Handling	Minimum Order Product Dimension (L x W x H) / Weight Transport and Storage dimension (L x W x H) / Weight Multi Pack (PU1) Minimum Order Multi Pack (PU1) Transport and Storage dimension (L x W x H) / Weight	1 box with 1 piece 100 x 85 x 57.5mm / 140 g 100 x 100 x 100mm / 250 g 100 pieces in 2 cartons Switches 500 x 500 x 250mm / 16 kg Accessories 400 x 400 x 300mm / 10kg						
Order Notes	Package Material	Rigid Cardboard							
	Order Code	See Product Range, Page 1, e.g. PDE2.NAb							

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