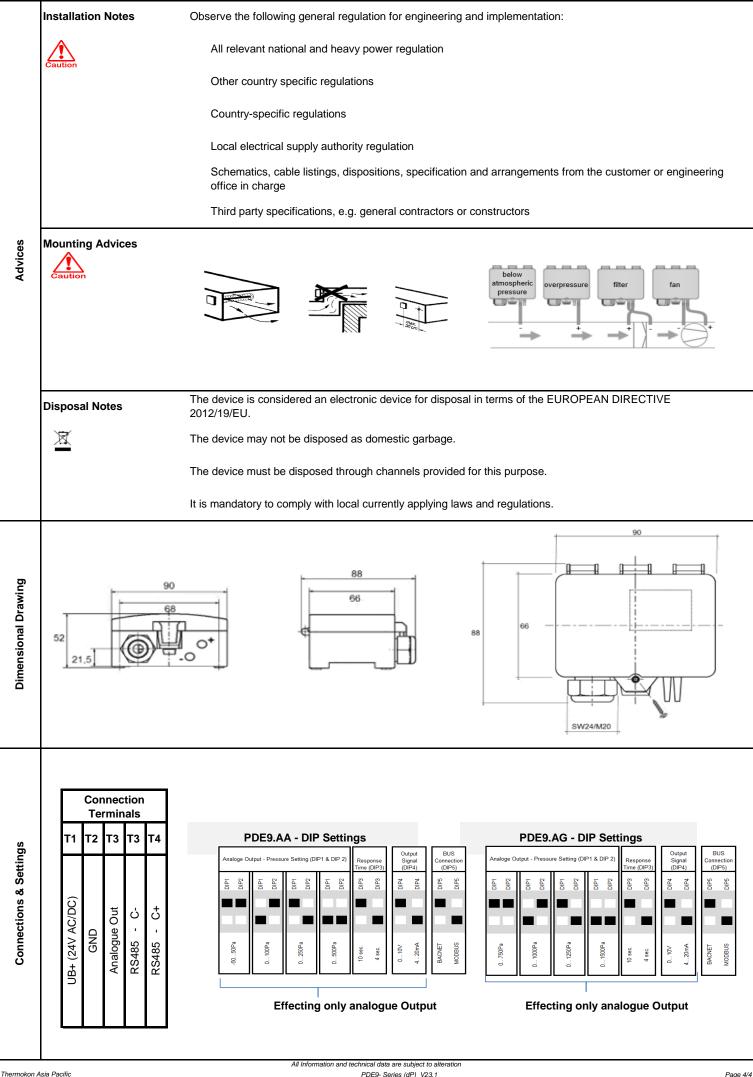
	3 ?	TI8300		Те	chnica	I Informa	tion			+1	രന്നാ	nkon [®]
PD	E9- :	Series (dP)		Air D BACnet MSTP / Mo		Pressure Sen					as	ia pacific
Th	e P	DE9- Series	(dP) is de	esigned to measure of								
				ere high precision me								
			-				u.					
				ive, non flammable e	environme	ents				-		
Me	easu	uring Range ·	-15001	500Pa							J-P-F	
Op	bera	tes with low	power sup	oply							, .	
Οι	ıtpu	it is via BACr	net MSTP	or Modbus RTU cor	mmunicati	on / 010V	or 420mA					
		Compatible	to Building	g Automation Systen	ns using E	BACnet MSTF	? / Modbus R	TU com	munica	ations or sta	and- alone	
e		Differential p	oressure n	neasurement in prec	ise HVAC	control syste	ems					
Use		Monitoring of	differentia	I pressure of fans in	air systen	ns						
		Suitable for	laboratory	and clean room app	olications	with high pred	cession contr	ols				
	Sensor with BACnet MSTP / Modbus RTU communication											
		Sensor with	010V o	r 4…20mA (field sel	ectable)							
		dP- Sensor with excellent repeatability, practically no drift or offset										
Features	dP- Sensor with excellent repeatability, practically no drift of onset dP Sensor is factory calibrated and temperature compensated											
Feat			-			npensateu						
	Adjustable response-time-filter values											
		Professional	and prac	tical product design,	withstand	ds rough envi	onmental co	nditions				
		Easy to use,	install an	d maintain								
							[
		Order Codes	Power Supply	*Communication	Analog Output*	Measuring Range (Analogue)	Measuring Range (BUS)	Accur (stati	-	Over Pressure Rating	Bust Pressure Rating	IP Rating
Product Range		PDE9.AA	AC/DC 24V (±10%)	*BACnet MSTP	10V or .20mA	-50+50Pa; 0250Pa; 0500Pa;	1500Pa	typically a	l Range <500Pa = typically ±5 Pa / Maximum ±8Pa	100.000 Pa	300.000 Pa	35
Pro		PDE9.AG	AC/DC 2	or *Modbus RTU	0 4.	0+750Pa; 01250Pa; 01500Pa	-15001500Pa	Measuring Range >500Pa Pa / Maximum ±	Measuring Range <500Pa = Pa / Maximum ±8F	1 bar - 1	3 bar - 3	IP65
				*default, **field via DIP s		e						
Thermoko	on Asia	a Pacific			All Information	and technical data are PDE9- Series	,					Page 1/4

	0	Management	
	Sensor Specification	Measured	Air Differential Pressure
		Sensor Characteristics	Active
		Sensor Output	BACnet MSTP or Modbus RTU communication, RS485
		A	010V or 420mA
		Accuracy	>500Pa = typically ±3 Pa / Maximum ±3Pa
tion		Zara Daiat Assurance	<500Pa = typically ±5 Pa / Maximum ±8Pa
icat		Zero Point Accurracy	0.2 Pa
ecif		Zero Point Repetability Over Pressure	0.1 Pa
s, sp			1 bar, 100.000 Pa
Sensor Specification		Burst Pressure	2 bar, 100.000 Pa
Ser		Offset stability	<0.03 Pa / year
		Calibrated Temperature Range	-4085°C
		Response Time Filter	060sec.
		Measuring Range (Bus- System)	-15001500 Pa
		Measuring Range (Analoge Outputs - PDE9.AF)	-5050Pa ; 0100Pa ; 0250Pa ; 0500Pa
		Measuring Range (Analoge Outputs - PDE9.BF)	0750Pa ; 01000Pa ; 01250Pa ; 01500Pa
	Electrical Information	Media Compatitbility	Air, N2, O2, non condensing
	Electrical Information	Power Supply	AC/DC 24V (±10%) 50 / 60 Hz @ AC 24V
		Frequency	
		Output Load (Analoge Output)	Min. load $10k\Omega$
	Machanical Information	Power Consumption	Typical 1.1W at 24V= , 1.7VA at 24V~
	Mechanical Information	Connection Nozzle Dimension	Screw terminal, max. 1.5mm ²
			Ø6.3 x 1.15mm, L=10mm
		Cable Entry Sensing Element Position	M20, Ø6Ø8mm cables Internal
	Color and Material	-	
	Color and Material	Housing Cover	PA6, White
		Housing Bottom Lock Screws	PA6, White
		Cable Gland	Snap Connector
		Gland Rubber Seal	ABS, RAL 7042 (Traffic Grey A) ENSOFT50, RAL 9016 (Traffic White)
c		User element	DIP Switches
Technical Information		Connection Nozzle	PA6, White
rm	Environmental Condition	Operation Temperature	-10°C+50°C
Info		Operation Humidity	<85% r.h., no condensation
cal		Transport Temperature	-35°C+70°C
inn		Transport Humidity	< 90% r.h.
Tec		Storage Temperature	-20°C+70°C
		Storage Humidity	< 85% r.h., no condensation
	Norms and Directives	IP- Rating	IP65 according 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
		RoHS Compatibility	Rohs 3 EU2015/863
		CE Conformities	2004/108/EG Electromagnetic Compatibility EMV
		Emitted Interference	2000/EN60730-1 Emitted Interference
		Interference Resistance	2000/EN60730-1 Interference Resistance
		Transport to Climatic Condition	IEC 60721-3-2
		Transport Mechanical Condition	IEC 60721-3-2 to class 2M2
		Storage Climatic Condition	IEC 60721-3-1
		Storage Mechanical Condition	IEC 60721-3-1 to class 2M2
sn	Accessories	Mounting Kit, Included in delivery	2 plastic duct connectors; 2m Silicone tube
Miscellaneous	Shipping & Handling	Minimum Order	1 box with 1 piece
əllar	empring of handling		
isce		Packaging Material	Rigid Cardboards
Σ	Order Notes	Order Code All Information and technical data are subject to a	PDE9.xx
Thermokor	n Asia Pacific	PDE9- Series (dP) V2	

	Address Number	Register Description						
	03	Serial Number	actual version					
	4	Software Version	actual version					
ers	6	Modbus Address	Default 254, selectable 1254					
aramet	8	Hardware Version	actual version					
Modbus Parameters	11	Baud Rate autodetection	0= OFF; 1= On					
Mo	15	Baud Rate, (if autodetection is OFF)	0= 9600 ; 1= 19.200 ; 2= 38.400 ; 3= 57.600 ; 4= 115.200					
	34	Actual Pressure Value	actual value					
	35	Response Time Filter	060 seconds					
	41	Measuring Range	0= -1500…1500Pa					
	Supported BACnet Objects Types							
	analog-value							
	device							
	Supported BACnet Services							
	Supported BACnet Services							
	Supported BACnet Services who-is							
	who-is i-am	t-type, present-value, units, object-list, vendor-id,	vendor-name, system-status, confirmed-service, unconfirmed-					
ĨS	who-is i-am object-identifier, object-name, object services MSTP Objects		vendor-name, system-status, confirmed-service, unconfirmed-					
rameters	who-is i-am object-identifier, object-name, objec services							
thet Parameters	who-is i-am object-identifier, object-name, object services MSTP Objects analog-value	BACnet Address	Default 127, selectable 0127					
BACnet Parameters	who-is i-am object-identifier, object-name, object services MSTP Objects analog-value AV0	BACnet Address Baud rate autodetection	Default 127, selectable 0127 default 0, 0= OFF ; 1= ON					
BACnet Parameters	who-is i-am object-identifier, object-name, object services MSTP Objects analog-value AV0 AV1	BACnet Address Baud rate autodetection Baud Rate, (if autodetection is OFF)	Default 127, selectable 0127 default 0, 0= OFF ; 1= ON 0= 9600 ; 1= 19.200 ; 2= 38.400 ; 3= 57.600 ; 4= 115.200					
BACnet Parameters	who-is i-am object-identifier, object-name, object services MSTP Objects analog-value AV0 AV1 AV2	BACnet Address Baud rate autodetection Baud Rate, (if autodetection is OFF) n.a.	Default 127, selectable 0127 default 0, 0= OFF ; 1= ON 0= 9600 ; 1= 19.200 ; 2= 38.400 ; 3= 57.600 ; 4= 115.200 n.a.					
BACnet Parameters	who-is i-am object-identifier, object-name, object services MSTP Objects analog-value AV0 AV1 AV2 AV3	BACnet Address Baud rate autodetection Baud Rate, (if autodetection is OFF) n.a. Protocol	Default 127, selectable 0127 default 0, 0= OFF ; 1= ON 0= 9600 ; 1= 19.200 ; 2= 38.400 ; 3= 57.600 ; 4= 115.200 n.a. 0= Modbus ; 1= BACnet					
BACnet Parameters	who-is i-am object-identifier, object-name, object services MSTP Objects analog-value AV0 AV1 AV2 AV3 AV4	BACnet Address Baud rate autodetection Baud Rate, (if autodetection is OFF) n.a. Protocol Actual Pressure Value	Default 127, selectable 0127 default 0, 0= OFF ; 1= ON 0= 9600 ; 1= 19.200 ; 2= 38.400 ; 3= 57.600 ; 4= 115.200 n.a. 0= Modbus ; 1= BACnet actual value					
BACnet Parameters	who-is i-am object-identifier, object-name, object services MSTP Objects analog-value AV0 AV1 AV2 AV3 AV4 AV4 AV6	BACnet Address Baud rate autodetection Baud Rate, (if autodetection is OFF) n.a. Protocol Actual Pressure Value Response Time Filter	Default 127, selectable 0127 default 0, 0= OFF ; 1= ON 0= 9600 ; 1= 19.200 ; 2= 38.400 ; 3= 57.600 ; 4= 115.200 n.a. 0= Modbus ; 1= BACnet actual value 060 seconds					
BACnet Parameters	who-is i-am object-identifier, object-name, object services MSTP Objects analog-value AV0 AV1 AV2 AV3 AV4 AV4 AV6 AV7	BACnet Address Baud rate autodetection Baud Rate, (if autodetection is OFF) n.a. Protocol Actual Pressure Value	Default 127, selectable 0127 default 0, 0= OFF ; 1= ON 0= 9600 ; 1= 19.200 ; 2= 38.400 ; 3= 57.600 ; 4= 115.200 n.a. 0= Modbus ; 1= BACnet actual value					
BACnet Parameters	who-is i-am object-identifier, object-name, object services MSTP Objects analog-value AV0 AV1 AV2 AV3 AV4 AV4 AV6	BACnet Address Baud rate autodetection Baud Rate, (if autodetection is OFF) n.a. Protocol Actual Pressure Value Response Time Filter Measuring Range	Default 127, selectable 0127 default 0, 0= OFF ; 1= ON 0= 9600 ; 1= 19.200 ; 2= 38.400 ; 3= 57.600 ; 4= 115.200 n.a. 0= Modbus ; 1= BACnet actual value 060 seconds					
BACnet Parameters	who-is i-am object-identifier, object-name, object services MSTP Objects analog-value AV0 AV1 AV2 AV3 AV4 AV4 AV6 AV7	BACnet Address Baud rate autodetection Baud Rate, (if autodetection is OFF) n.a. Protocol Actual Pressure Value Response Time Filter	Default 127, selectable 0127 default 0, 0= OFF ; 1= ON 0= 9600 ; 1= 19.200 ; 2= 38.400 ; 3= 57.600 ; 4= 115.200 n.a. 0= Modbus ; 1= BACnet actual value 060 seconds					



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