

Product Catalog



TÜV
DVGW

ATEX
Zulassung in
Vorbereitung



Pressure Switches

Pressure Transmitters

Thermostats

Temperature Transmitters

Solenoid Valves

Flow Monitors



Featuring
Smart **P**ress

New products

Electronic Pressure Switch PS, PST, PST...-R series



- Pressure range from -1...600 bar
- Relative and absolute pressure
- Process connections: G 1/2" Standard Manometer
G 3/4" Flush to the Front
- Fully configurable 2-channel Switch, optional analog output
optional Relay output.
- Protection standard IP 65

16

Electronic Thermostats TS, TST, TST...-R series



- Temperature range from -50 °C...+400 °C
- housing-mounted and cable-mounted sensors
- Different sensor immersion lengths

Available September 2002

Compact Electronic Flow Switch KSW and KSL



...for monitoring Liquid and Air flow.

- Available in 230 VAC and 24 VAC/DC version
- Switching load 230 V, 10 (2) A
- Low power consumption
- No moving parts
- Sensing element and PCB in one unit
- Safety function (close off) in case of sensor defect

59/60

Frost Protection Thermostats Series T 69



...for Anti-Freeze Protection of heat exchangers in Air Handling Systems.

- different sensor lengths
- 1,8 m Version with immersion bulb
- IP40 and IP65 Versions available
- Dust-tight Honeywell Micro Switch inside
- High Switching capacity 15 (8) A, 250 VAC
- Adjustable temperature range -10 °C...+12 °C
- Mounting clamps package included

52

New products

Difference Pressure Transmitter Series DPT



...for filter and fan monitoring in Air Handling systems.

37

- Pressure range from -50 Pa up to 5000 Pa
- 0-10 V and 4-20 mA versions available
- Sensor type piezo-resistive

Single Stage Room & Duct Hygrostats H 6045 A and H 6120 A



...for monitoring humidity in air conditioning systems and climatic cabinets.

55

- Humidity range 35...100 % r.H.
- Single pole change over contact
- Cost-effective and reliable solution

Single- and Dual Stage Industrial Room Thermostats T 6120 A / B



...for measuring, controlling and monitoring temperatures in heating and cooling systems.

54

- Rigid and stable Copper and Stainless Steel sensor system
- Easy wiring and installing
- Dust-tight micro switches inside
- Glass fiber reinforced housing

Paddle Air and Liquid flow Switches S 6040 and S 6065 series



...for monitoring flow rates in pipes and ducts.

58

- Versions available for air, non-aggressive liquids and aggressive liquids
- High switching capacity 15 (8) A 250 VAC
- Working temperature -40 °C...+85 °C
- Protection standard IP 65
- Wide range of flow rates indicatable

Solenoid Valves Series AV



...TÜV approved according DIN EN 264. Preferred use in liquid fuel supply systems for heating boilers.

67

- Sizes from 10 up to 40 mm diameter
- Internal screw connections form G 3/8" up to G 2"
- Internal sealing by VITON O-Ring
- Housing material Yellow Brass and Stainless Steel
- Pressure from -0,9 up to 4 (10) bar
- 230 V, 50 Hz, 8 VA, ED 100 %
- K_{VS} from 1.9 up to 30 m³/h

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For liquids and gas	58–60
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Ex -versions (Pressure Switch and Thermostats)

All former Ex-versions will be certified according ATEX 1000 (for gas and dust)
Availability 3rd Quarter 2002

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Replacement Overview

Pressure Switch		Pressure Switch		Pressure Transmitter	
Old Type	New Type	Old Type	New Type	Old Type	New Type
DCMV 625	DWR 625-203	Ex-DCM 025	Ex-DNS 025	FN 5 + ED 1	SN 6-311
DNM 506	DGM 506	Ex-DCM 06	Ex-DWR 06	FN 10 + ED 1	SN 10-311
DNM 516	DGM 516	Ex-DCM 1	Ex-DWR 1	FN 25 + ED 1	SN 25-311
DNM 525	DGM 525	Ex-DNM 506	Ex-DGM 506	FN 40 + ED 1	SN 40-311
DNM 06	DWR 06	Ex-DNM 516	Ex-DGM 516	FN 5 + ED 3	SN 6-395
DNM 1	DWR 1	Ex-DNM 525	Ex-DGM 525	FN 10 + ED 3	SN 10-395
DNM 6	DCM 6	Ex-DNM 06	Ex-DWR 06	FN 25 + ED 3	SN 25-395
DNM 625	DCM 625	Ex-DNM 1	Ex-DWR 1	FN 40 + ED 3	SN 40-311
DNM 10	DCM 10	Ex-DNM 3	Ex-DWR 3		
DNM 16	DCM 16	Ex-DNM 6	Ex-DWR 6		
DNM 25	DCM 25	Ex-DNM 625	Ex-DWR 625		
DNM 40	DCM 40	Ex-DNM 16	Ex-DWR 16		
DNM 63	DCM 63	Ex-DNM 25	Ex-DWR 25		
DNMV 025	DNS 025-203	Ex-DNM 40	Ex-DWR 40		
DNMV 06	DWR 06-203				
DNMV 1	DWR 1-203				
DNMV 6	DCMV 6				
DNMV 16	DCMV 16				
DNMV 40	DCMV 40				
DNMV 63	DCMV 63				

Solenoid Valve	
Old Type	New Type
AH 10	AV102MS2
AH 13	AV131MS2

Pressure units conversion table

Important notice:

All the stated pressure levels are overpressure or vacuum compared to atmospheric pressure. Overpressure is marked with a plus sign, vacuum with a minus sign.

unit	bar	mbar	Pa	kPa	MPa	lb/in ² (psi)
1 bar	1	1000	10 ⁵	100	0.1	14.50
1 mbar	0.001	1	100	0.1	10 ⁻⁴	0.0145
1 Pa	10 ⁻⁵	0.01	1	0.001	10 ⁻⁶	1.45 · 10 ⁻⁴
1 kPa	0.01	10	1000	1	0.001	0.145
1 MPa	10	10 ⁴	10 ⁶	1000	1	145

In all Fema-documents, the pressure is stated in bar, mbar or Pa.

Overview of available types

Type	Page	Type	Page	Type	Page
AB	67	G 35-Ex	66	S6040 / S6065A	58
APT	70	G 35-ExG	66	SDBAM	27
APV	70	GB	67	SK	36
ASW...	59	GB...VA	67	SKN...	40
ASL...	60	GK	68	SKV	37
AV...	67	GS	66	SKVN...	40
AZ 3.1 B	14	H6045 / H6120	55	SLF...	60
AZ 331	70	H 1	72	SN	33-34
AZ 3.1 B-M	62	H 2	72	SN...355 L	41
AZ 3.1 B-V	14	H 3	72	ST...	73
		H 12	36	ST 355	42
		HCD	24	STB...	51
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DCMV	18	K 430 / 480	72	SWF...	59
DDCM	22	K...G 31 F	64		
DGM	30	K...G 31 M	64	T6120	54
DMW	72	K...G 35 F-Ex	64	T 69...	52
DNM	19	K...G 35 M-Ex	64	T...G 31 F	63
DNS	20	KSL	60	T...G 31 FK	65
DOKU	14	KSW	59	T...G 31 M	63
DPS	23	L...G 31 F	65	T...G 31 MK	65
DPT...	37	L...G 31 FK	65	T...G 35 F-Ex	63
DWAM	27	L...G 31 M	65	T...G 35 M-Ex	63
DWAMV	27	L...G 31 MK	65	T...NSTF	51
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Ex-DNM	19	PST	16	U...	72
Ex-DNS	20	PST-R	16	VCM...	21
Ex-DWR	28	P2	73	VCMV...	21
Ex-FT	52	PZ...	45	VF...	42
Ex-TAM	50			VKD...	71
Ex-TRM	50	R 1 / Ms	74	VNM	21
Ex-TX	51	R 1 / Nst	74	VNMV	21
Ex-TXB	51	R 10...	74	VNS	20
Ex-VCM	21	R 10 / Ms	74		
Ex-VNM	21	R 10 / Nst	74	WZ 2.2	14
Ex-VNS	20	R 2 / Ms	74	XIFHP 1	42
		R 2 / Nst	74	XIFLP 1	42
		R 20 / Ms	74		
		R 20 / Nst	74	ZF...	13, 14
		R 3 / Ms	74	ZFM...	66
FD	30	R 4	73	ZFT...	49
FHBN...	35	R 5	73		
FHBN...355 L	41	R 6	74		
FN...	35	R 7	74		
FT, FTB	52	R 8	74		
FTS	44	R 185...	46		
G 31	66	R 187...	46		
G 31 GS	66	RN 10...	74		
		RN 20...	74		