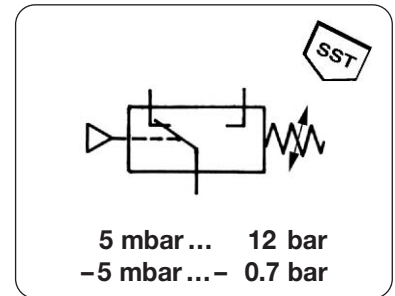


# Pressure Switch for Low Pressure, pre-adjustable

DSP

<b>Description</b>	Adjustable pressure switch for monitoring pressure, vacuum and differential pressure of liquid, gaseous or corrosive media. Any mounting position possible, but should be indicated on order for switchpoints < 100 mbar. Vacuum up to -1 bar permissible. The switch can be used for vacuum. Up to 6 bar = 1 turn of adjusting knob with scale. > 6 bar = 2 turns of adjusting knob without scale.	
<b>Electrical connector</b>	AMP connector	6.3 mm x 0.8 mm, DIN 46244
<b>Contact / rating</b>	Silver alloy, 2 A at 24V DC or 6 A at 250V AC gold copper alloy 100 mA at 24V DC as option	as option 10 A at 250V AC <b>Protection class:</b> IP 54 or IP 65 with cap
<b>Certification</b>	VDE 0630 at 6 A with 250V AC	
<b>Service life</b>	DVGW, worksheet G260/1, pressure switch up to 0.5 bar as per DIN 3398, Part 1 > 1 million cycles	
<b>Temperature range</b>	Switching time: < 30 ms -20 °C to 85 °C / -4 °F to 180 °F ambient temperature -4 °C to 85 °C / 40 °F to 180 °F media temperature up to 130 °C / 260 °F with Viton or silicone	
<b>Material</b>	Diaphragm: NBR as standard, FKM / Viton, for steam, EPDM as per FDA or silicone as option Press. connection: brass as standard, differential pressure switch with PA, max. 85 °C / 180 °F stainless steel, PA / Polyamide or PPS / Fortron Body: Zytel, high quality plastic for temperatures < 135 °C	



Dimensions	Over-pressure	Hysteresis	Adjustment	Order
height	pressure	max.	range	number
mm	max. bar	mbar / bar	mbar / bar	

Pressure switch, G <sup>1</sup> / <sub>4</sub>		2 A at 24V DC or 6 A at 250V AC		wetted sections: brass/NBR, scale tolerance: 10%		DSP-D
68	45	0.5	3 mbar	5 ... 20 mbar		DSP-DB2
		0.5	5 mbar	10 ... 50 mbar		DSP-DB5
		0.5	10 mbar	25 ... 100 mbar		DSP-DC1
		1	20 mbar	50 ... 250 mbar		DSP-DC2
		1	50 mbar	100 ... 500 mbar		DSP-DC5
		10	150 mbar	0.2 ... 1 bar		DSP-D01
		10	250 mbar	0.5 ... 1.5 bar		DSP-D02
		10	500 mbar	1 ... 3 bar		DSP-D03
		10	0.5/2 bar*	1 ... 6 bar		DSP-D06
		20	0.5/2 bar*	4 ... 9 bar		DSP-D09
		20	0.5/2 bar*	7 ... 12 bar		DSP-D12



Vacuum switch, G <sup>1</sup> / <sub>4</sub>		2 A at 24V DC or 6 A at 250V AC		wetted sections: brass/NBR, scale tolerance: 10%		DSP-V
68	45	0.5	3 mbar	- 5 ... -20 mbar		DSP-V02
		0.5	5 mbar	- 10 ... -50 mbar		DSP-V05
		0.5	10 mbar	- 25 ... -100 mbar		DSP-V10
		0.5	20 mbar	- 50 ... -125 mbar		DSP-V12
		0.5	25 mbar	- 75 ... -200 mbar		DSP-V20
		0.5	30 mbar	-100 ... -300 mbar		DSP-V30
		0.5	75 mbar	-200 ... -500 mbar		DSP-V50
		0.5	75 mbar	-300 ... -700 mbar		DSP-V70



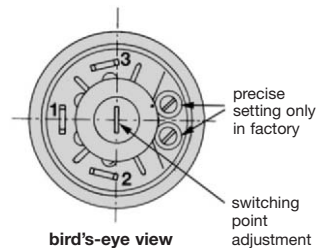
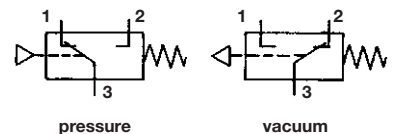
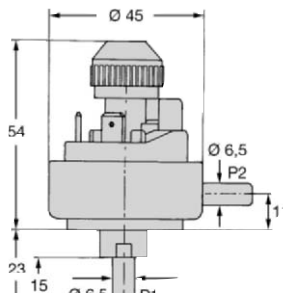
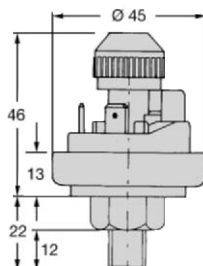
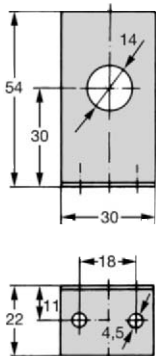
Differential pressure switch		wetted sections: PA / NBR, nipple Ø 6.5		scale tolerance: 10%, 2A / 24 V DC		DSP-W
77	45	0.1	3 mbar	5 ... 20 mbar		DSP-W20
		0.1	5 mbar	10 ... 50 mbar		DSP-W50



## Special options add the appropriate letter or number

all options see DSQ on previous page

## Accessories



\* 0.5 bar at the beginning, 2 bar at the end of the range

<b>For your information:</b>	1 bar: 14.5 psi	1 l/min: 0.035 scfm	1 mm: 0.039 inch	1 mbar: 0.4 inch H <sub>2</sub> O	1 mbar: 0.01 m H <sub>2</sub> O
	1 psi: 0.069 bar	1 scfm: 28.3 l/min	1 inch: 25.4 mm	1 inch H <sub>2</sub> O: 2.5 mbar	1 m H <sub>2</sub> O: 98 mbar

**Order example:**  
DSP-DC5