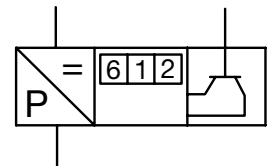


Description	Pressure to the unit is continuously monitored by a piezo-resistive sensor and converted into a proportional voltage signal. The signal is then amplified and delivered as a PNP signal.		
Media	dry, lubricated or unlubricated compressed air or non-corrosive gases		
Supply voltage	12 ... 30 V DC, reverse voltage protection, current consumption max. 30 mA, output current max. 250 mA		
Adjustment	Mode: hysteresis or window, switching point and hysteresis, NO or NC, closing or opening time, bar, psi, MPa, kg/cm² etc. Display: current pressure, highest pressure, measurement errors		
Switching output	2x PNP freely programmable as NO or NC, max. contact load 250 mA, short-circuit-proof		
Hysteresis	adjustable from 0% to 100% of set switching point		
Repeatability	< 0.2% FS		
LED display	3-digit, red 7-segment display		
Error display	via 7-segment display		
Certifications	CSA-compliant, UL-listed		
Temperature range	-1 °C to 50 °C / 30 °F to 122 °F		
Material	Body: ABS-PC plastic, shockproof		
	Linearity	< 1% FS	
	Switching frequency	200 Hz	
	Mounting position	any	
	Shock resistance	10 g	
	Protection class	IP 65	
	Connection thread:	nickel-plated brass	



**-1 ... 0/10 bar
output PNP/1-5V**

Dimensions	Over-pressure	Output signal	Measurement	Order	
B	Ø	type	range	number	
mm	mm	PNP/analog max. mA	bar		E*

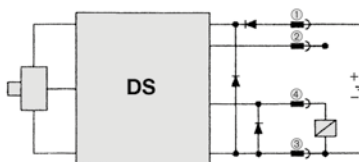
Sensor pressure switch				connection thread G½ male, without coupling socket, M8x1, 4-pin	DS
57	16	2	2x PNP	250	0 ... -1
					-1 ... +1
		15			0 ... 10
					-1 ... 10
					0 ... 12
					DSB-V1
					DSB-V2
					DSB-10
					DSB-V10
					DSB-12



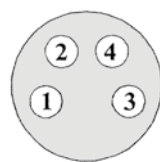
DSB with digital display

Accessories, enclosed

coupling socket	M8x1, 4-pin with 5 m cable	straight	KM8-A4-5
		angular	KM8-C4-5

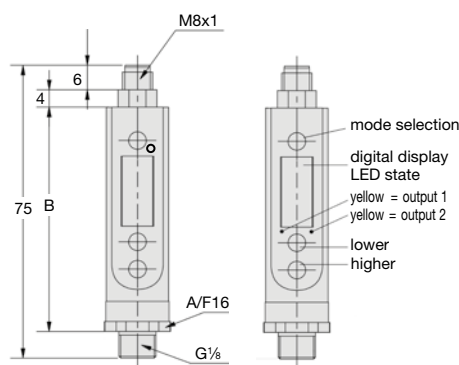


connection diagram

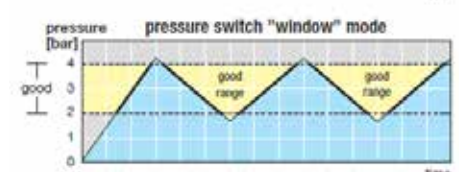
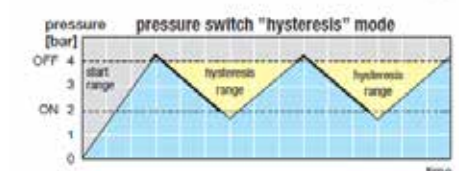
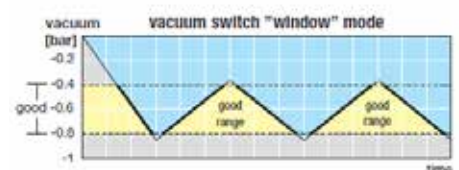
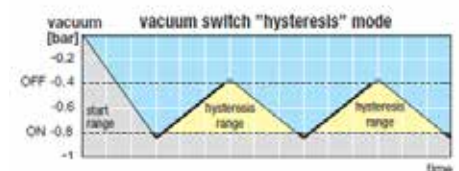


PIN configuration according to DIN EN 50044

PIN configuration DIN EN 50044		
pin	colour	configuration
1	brown	24 V DC (+)
2	white	outlet 2 / analog
3	blue	24 V DC (-)
4	black	outlet 1 / digital



DSB



* Product group

PDF CAD
www.aircom.net



Order example:
DSB-V1