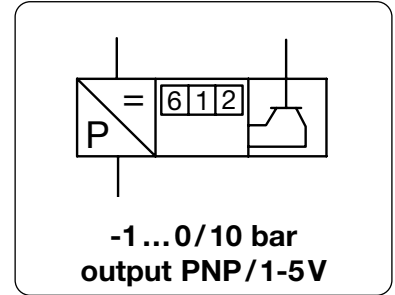


PROGRAMMABLE VACUUM AND PRESSURE SWITCH TRANSDUCER WITH DISPLAY DSB / DSC

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. dry, lubricated or unlubricated compressed air or non-corrosive gases	
Media	12 ... 30 V DC, reverse voltage protection, current consumption max. 30 mA, output current max. 250 mA	
Supply voltage	Mode: hysteresis or window, switching point and hysteresis, NO or NC, closing or opening time, bar, psi, MPa, kg/cm ² etc. Display: current pressure, highest pressure, measurement errors	
Adjustment	DSB	2x PNP freely programmable as NO or NC, max. contact load 250 mA, short-circuit-proof
Switching output	DSB	1x PNP as at DSB and 1x analogue output signal 1...5 V, output impedance < 500 Ω
Switching output	DSC	adjustable from 0% to 100% of set switching point
Hysteresis		Linearity < 1% FS
Repeatability		Switching frequency 200 Hz
LED display		Mounting position any
Error display		Shock resistance 10 g
Certifications		Protection class IP 65
Temperature range		Connection thread: nickel-plated brass
Material	Body: ABS-PC plastic, shockproof	



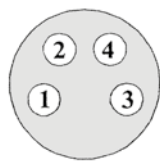
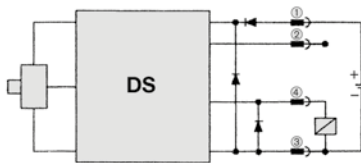
Dimensions	Digital display	Over-pressure	Output signal type	Measurement range	Order number
B	Ø	max. bar	PNP/analogue	max. mA	
mm	mm			bar	

Sensor pressure switch					connection thread G½ male, without coupling socket, M8x1, 4-pin	DS	
57	16	with	2	2x PNP	250	0 ... -1 -1 ... +1 0 ... 10 -1 ... 10 0 ... 12	DSB-V1 DSB-V2 DSB-10 DSB-V10 DSB-12
44	16	without	2	1x PNP/1x analog	250	0 ... -1 -1 ... +1 -1 ... 10	DSC-V1 DSC-V2 DSC-V10

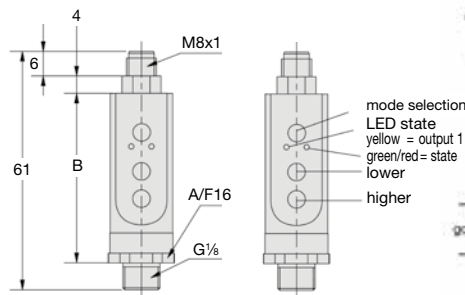
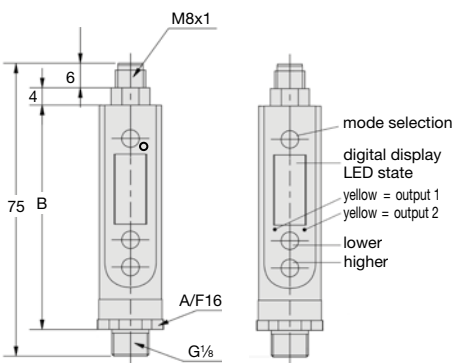
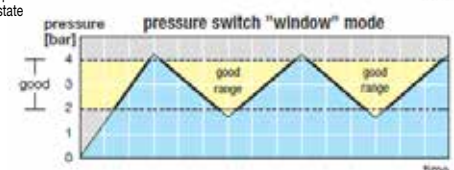
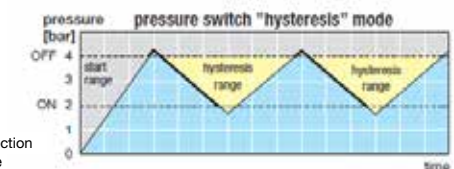
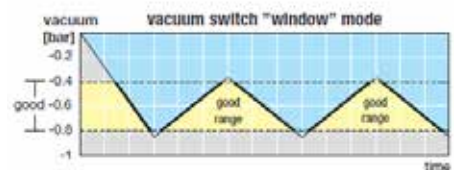
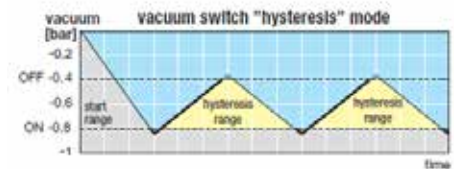


Accessories, enclosed

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



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



* Product group

PDF CAD
www.aircom.net



Order example:
DSB-V1