EXTRA LOW PRESSURE RANGE – SERIES 2000

MODELS:

2006	Single Switch,	Differential Non-Adjustable
206	Single Switch,	Differential Adjustable
2007	Two Switch,	Differential Non-Adjustable
207	Two Switch,	Differential Adjustable on 1st Switch Only
2008	Single Switch,	Differential Non-Adjustable

All models are available as either Pressure or Vacuum sensitive switches and cover the range -5 mbarg to +500 mbarg in a group of 6 basic models.

Controls can be supplied with varying degrees of protection, and with various approvals for use in Explosion-proof/Flameproof areas. (Refer to list for options). More detailed information on these approvals can be found in the relevant sections of this catalogue.

Models falling within the range 0 to 500 mbar can be supplied as Vacuum switches (see code guide).

Materials used in the manufacture of sensing units and pressure chambers are according to customer requirements and operational application.

All switches are fitted with a mounting bracket as Standard (except Flanged Controls).

All switches are available with internal or external set point adjustment (External Adjustment is Standard).

For accuracy class and zone refer to leaflet 03/09.

PRESSURE AND VACUUM OPERATED CONTROLS

OPERATING RANGE	DIFFERENTIAL NON-ADJUSTABLE	BASIC MODEL CODE RANGE CODE	BASIC MODEL CODE SERIES CODE	PROOF PRESSURE	MAX WORKING PRESSURE
-5 to +5 mbarg	0.1 mbar	1	LO – 2008W – AO	1. 4 Bar	1.08 Bar
-5 to +10 mbarg	0.1 mbar	2	LO – 2008W – AO	1. 4 Bar	1.08 Bar
-5 to +25 mbarg	0.3 mbar	00	2006W – AO	1. 4 Bar	1.08 Bar
7 to 70 mbarg	0.3 mbar	0	2006W – AO	1. 4 Bar	1.08 Bar
15 to 150 mbarg	0.6 mbar	1	2006W – AO	1. 4 Bar	1.08 Bar
25 to 500 mbarg	1.25 mbar	2	2006W – AO	1. 4 Bar	1.08 Bar
		DIFFERENTIAL ADJUSTABLE			
-5 to +25 mbarg	1.2 to 5 mbar	00	206W – AO	1. 4 Bar	1.08 Bar
7 to 70 mbarg	1.2 to 22 mbar	0	206W – AO	1. 4 Bar	1.08 Bar
15 to 150 mbarg	2 to 45 mbar	1	206W – AO	1. 4 Bar	1.08 Bar
25 to 500 mbarg	2.5 to 75 mbar	2	206W – AO	1. 4 Bar	1.08 Bar

Higher Proof Pressures Available. Consult Factory.

Re-calibration of Operating Range may be required if Maximum Working Pressure exceeds 20% above the top of the Operating Range.

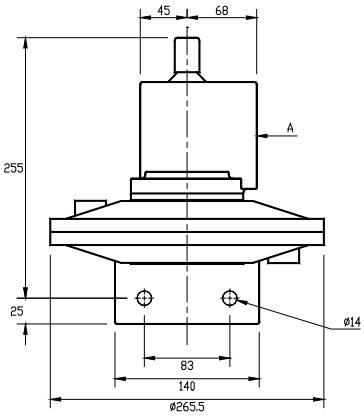
Proof Pressures over 1.4 Bar will have High Tensile Steel Grade 12.9 Screws, Plated.

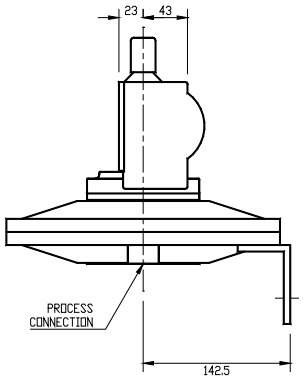
Proof Pressures up to 1.4 Bar will have Stainless Steel Screws Grade A2/A4.

Standard switches contain one single pole double throw microswitch.
Standard non-adjustable differential switches have a BZ-R microswitch fitted.
Standard electrical rating 15 amps 400 vac.
Standard electrical entry M20 x 1.5 Int. through 360°.
Standard construction Aluminium Pressure Chamber and Nitrile Rubber Diaphragm (M.W.T. 90° C) = AO.

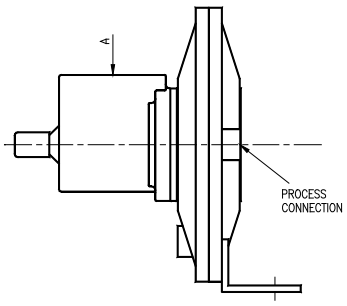
For construction other than above refer to the 2nd page of this leaflet for options and change code accordingly.

2006





2008



Terminal box, explosion-proof/flameproof enclosure, pneumatic valve fitted to surface 'A'
*This dimension will differ when pressure chamber material is from solid blank.

			CODE	
DEGREE OF PROTECTION		WEATHERPROOF IP55 IP66	W IP55 IP66	
ELECTRICAL OUTPUTS (FOR HAZARDOUS AREAS)	**(CE)**	**ATEX approved for Zone 2 areas** EN IEC 60079-0:2018, EN IEC 60079-15:2019, EN IEC 60079-7:2015 + A1:2018 Ⓔx II 3G Ex ec nC IIC T6 Gc (T_{amb} = -20ºC to +60ºC) Certificate Number: Baseefa03ATEX0319X Issue 4 Certifying Authority: **SGS Fimko Oy**	E(d)	All ranges will have 2 x the larger of the two Non-Adjustable Differentials listed.
	(UKCA)	EN IEC 60079-0:2018, EN IEC 60079-15:2019, EN IEC 60079-7:2015 + A1:2018 Ⓔx II 3G Ex ec nC IIC T6 Gc (T_{amb} = -20ºC to +60ºC) Certificate Number: BAS22UKEX0248X Certifying Authority: **SGS Baseefa Limited**		
	(CE)	**ATEX approved for Zone 1 areas** EN IEC 60079-0:2018, EN 60079-1:2014 Ⓔx II 2 G Ex db IIB + H_2 T6 Gb (T_{amb} -20ºC to +60ºC) Certificate Number: Baseefa02ATEX0025X Issue 4 (single switch) *1 Certificate Number: Baseefa02ATEX0026X Issue 3 (twin/two switch) *1 Certifying Authority: **SGS Fimko Oy**	H(A – K)	*1/*2 H(A) = BZ-2R *1/*2 H(B) = BZ-R *1/*2 H(C) = BZ-2R-722 *1 H(D) = 91-SE1 *1 H(F) = 91-SE1-3N55 *1 H(I) = MT-4R *1/*2 H(J) = BM-2R *1/*2 H(K) = BM-1R Differentials Listed over and Electrical Ratings will vary depending on Microswitch Fitted. See Leaflet 22/02 for Details
	(UKCA)	EN IEC 60079-0:2018, EN 60079-1:2014 Ⓔx II 2 G Ex db IIB + H_2 T6 Gb (T_{amb} -20ºC to +60ºC) Certificate Number: BAS22UKEX0245X (single switch) *2 Certificate Number: BAS22UKEX0246X (twin/two switch) *2 Certifying Authority: **SGS Baseefa Limited**		
		Intrinsic Safety. Gold Contact Microswitch classed as 'Simple Electrical Apparatus' and may be used without certification in a barrier circuit. (BS EN 60079-11: 2012, BS EN 60079-14: 2014 Para 3.5.5)	WIS	All ranges will have 1.5 x the larger of the two Non-Adjustable Differentials listed.
S.P.D.T. ALTERNATIVES		HIGH LOAD 10 amp, 125 vac/vdc		Prefix Range Code with 'X' and state ratings.
TWO SWITCH MODELS (ELECTRICAL OUTPUT)		Max. Setting Span = 30% of the Range Span Adjustable Differential is not available on second switch.	2007 207	E(d), H(D), H(F), H(I) Not available as Two Switch Model
TWIN SWITCH MODELS (ELECTRICAL OUTPUT)		Twin Microswitches for simultaneous action	TW	Differential x 5
PNEUMATIC VALVE SWITCHES		Poppet 3 port Pilot Operated 3 port	Prefix Range Code: SMS PV	All ranges will have 8 x the larger of the two Non-Adjustable Differentials listed. Differential will be 8 x the larger listed.
PRESSURE CHAMBER MATERIAL		Stainless Steel Phosphor Bronze	S Z	
DIAPHRAGM MATERIAL		Stainless Steel (Differential x 2) P.T.F.E. Viton (Differential x 1½)	T X V	
SAFETY VENTED CONSTRUCTION			Prefix Range Code with: G	
FLANGES		Available on all models.	Prefix Series Code with: F	
FOR VACUUM SERVICE			Prefix Series Code with: V	
PROCESS CONNECTIONS		¼" B.S.P. Female standard (Rp¼) ¼" Flushout	Prefix Pressure Chamber Material code with: F	Alternatives available up to ½"
MANUAL RESET (RISING or FALLING)		Available on all Electrical & Pneumatic 2006/206 Series, except Explosion-proof/Flameproof Models.	MRR (Reset on Rising Pressure) MRF (Reset on Falling Pressure)	