

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 1 st 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 SERIES CODE CODE	PROOF PRESSURE	MAX WORKING PRESSURE		
					Higher Proof Pressures Available. Consult Factory.	
-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	Re-calibration of Operating Range	
-5 to +25 mbarg	0.3 mbar	00 – 2006W – AO	1. 4 Bar	1.08 Bar	may be required if Maximum Working Pressure exceeds 20% above the top of the Operating	
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	Range.	
		Proof Pressures over 1.4 Bar will				
-5 to +25 mbarg	1.2 to 5 mbar	00 – 206W – AO	1. 4 Bar	1.08 Bar	have High Tensile Steel Grade 12.9 Screws, Plated.	
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	Proof Pressures up to 1.4 Bar will have Stainless Steel Screws	
25 to 500 mbarg	2.5 to 75 mbar	2 – 206W – AO	1. 4 Bar	1.08 Bar	Grade A2/A4.	

Standard switches contain one single pole double throw microswitch.

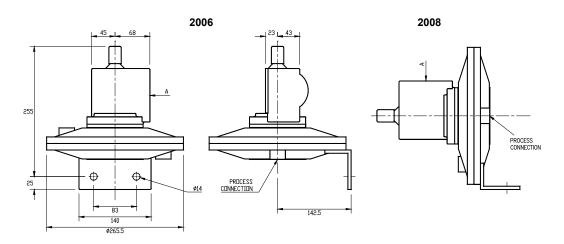
Standard non-adjustable differential switches have a BZ-R microswitch fitted.

Standard electrical rating 15 amps 400 vac.

Standard electrical entry M20 x 1.5 Int. through 360°.

Standard construction Áluminium 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.



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

ELECTRICAL OUTPUTS (OF HARMADUSA AREAS) CFX approved for Zone 2 areas EN EC 60079-2015 + A12018 (DI GO EC Comp - 2010 to +00°C) Certificate Number: BaseEd03ATEX0319X Base 4 Certifying Authority: SGS FinkC0 Q E(d) Alternative 2 the legal of the number Adjustage Differential base (CF) To EC For 0-2015 (EN EC 60079-12019). EN EC 60079-2015 + A12018 (DI GO EC PO-2016). EN EC 60079-12019. EN EC 60079-2015 + A12018 (CF) To EC For 0-2017 (EN EC 60079-12016). EN EC 60079-2016 (EN EC 60079-12016). Certificate Number: BSG Baserts Limited H(A – K) 17.2 H(A) = B2.28 T7.2 H(A) = B2.27 T7.2 H(A) = B2.27 H(A) = B2.	DEGREE OF PROTECTION	WEATHERPROOF IP55 IP66	CODE W IP55 IP66	
⁽¹⁾ II 3G Exe en CII C T6 CG (Tame - 20°C to +60°C). Certifying Authority: SGS Baseefa Limited ATEX approved for Zance 1 ansas (CF) EN EC 60079-02016. EN 60079-12014 C(F) EN EC 60079-02016. EN 60079-12014 O (II 2 EX d) IB + 147 T6 Gb (Tame - 20°C to +60°C). Certificate Number: Baseefa2XTEX0026X Lissue 4 (aingle switch) '1 Certifying Authority: SGS Baseefa Limited O (II 2 EX d) IB + 142 T6 Gb (Tame - 20°C to +60°C). Certifying Authority: SGS Baseefa Limited D (II 2 EX d) IB + 142 T6 Gb (Tame - 20°C to +60°C). Certifying Authority: SGS Baseefa Limited Intrinsic Safety. Gold Contact Microswitch Classed as "Simple Electrical Apparatus". (ING RO): SGS Baseefa Limited Intrinsic Safety. Gold Contact Microswitch classed as "Simple Electrical Apparatus". (ING RO): 10 amp. 125 vao/vdc WIS All ranges with ave 1.5 the larger of the two-dy-dubite Differentials listed. and may be used Without certification in a barrie circuit. (IG EN G079-11: 2012, BE EN 50079-14: 2014 Para 3.5.5) WIS All ranges with ave 1.5 the larger of the two-dw-dy-dubite Differential is not available on aecond awtich. S P.D.T. MICE LOAD N and state ratings. M and state ratings. S P.D.T. MICE S Motor9-1 M and state ratings. </td <td>OUTPUTS (CE) (FOR HAZARDOUS AREAS)</td> <td>EN IEC 60079-0:2018, EN IEC 60079-15:2019, EN IEC 60079-7:2015 + A1:2018 I 3G Ex ec nC IIC T6 Gc (Tamb = -20°C to +60°C) Certificate Number: Baseefa03ATEX0319X Issue 4 Certifying Authority: SGS Fimko Oy A) EN IEC 60079-0:2018, EN IEC 60079-15:2019,</td> <td>E(d)</td> <td>0 0</td>	OUTPUTS (CE) (FOR HAZARDOUS AREAS)	EN IEC 60079-0:2018, EN IEC 60079-15:2019, EN IEC 60079-7:2015 + A1:2018 I 3G Ex ec nC IIC T6 Gc (Tamb = -20°C to +60°C) Certificate Number: Baseefa03ATEX0319X Issue 4 Certifying Authority: SGS Fimko Oy A) EN IEC 60079-0:2018, EN IEC 60079-15:2019,	E(d)	0 0
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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 th 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 Max. Setting Span = 30% of the Range Span Adjustable Differential is not available on second switch. 2007 E(d) H(D), H(F), H(D) Not available as Two Switch Model TWIN SWITCH MODELS Max. Setting Span = 30% of the Range Span Adjustable Differential is not available on second switch. TW Differential x 5 TWIN SWITCH WODELS Max Setting Span = 30% of the Range Social second switch. TW Differential x 5 TWIN SWITCH WODELS Max Setting Span = 30% of the Range Social second switch. SMS Ail ranges will have 8 x the larger of the two Non-Adjustable Differential is 15 VALVE SWITCHES Poppet 3 port PIOLOperated 3 port Prefix Range Codes: PV Differential will be 8 x the larger of the two Non-Adjustable Differential is 16d. Differential will be 8 x the larger of the two Non-Adjustable Differential is 120; PV Ail ranges will have 8 x the larger of the two Non-Adjustable Differential is 120; PV SATELY VENED Poppet 3 port PV Frefix Range Codes: PV T MATERIAL <t< td=""><td>(UKC</td><td>A) EN IEC 60079-0:2018, EN 60079-1:2014</td><td></td><td>Electrical Ratings will vary depending on Microswitch Fitted.</td></t<>	(UKC	A) EN IEC 60079-0:2018, EN 60079-1:2014		Electrical Ratings will vary depending on Microswitch Fitted.
ALTERNATIVES HIGH LOAD 10 amp, 125 vac/vdc 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 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 QUEEDTRICAL OUTPUT) Poppet 3 port Plot Operated 3 port SMS Prefix Range Code: Plot Operated 3 port All ranges will have 8 x the larger of the two Non-Adjustable Differentials 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 SAFETY VENTED CONSTRUCTION Prefix Range Code with: Prefix Series Code with: FOR VACUUM SERVICE Prefix Series Code with: Prefix Series Code with: F F FOR VACUUM SERVICE Prefix Pressure Chamber Material code with: '4" Flushout Prefix Pressure Chamber Material code with: F F MANUAL RESET Available on all Electrical & Pneumatic 2006/206 Series, MRR (Reset on Rising Pressure)		Intrinsic Safety. Gold Contact Microswitch classed as 'Simple Electrical Apparatus' and may be used without certification in a barrier circuit.	WIS	All ranges will have 1.5 x the larger of the two Non-Adjustable Differentials listed.
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