

ADJUSTABLE PRESSURE SWITCHES TYPE 100-200 ATEX

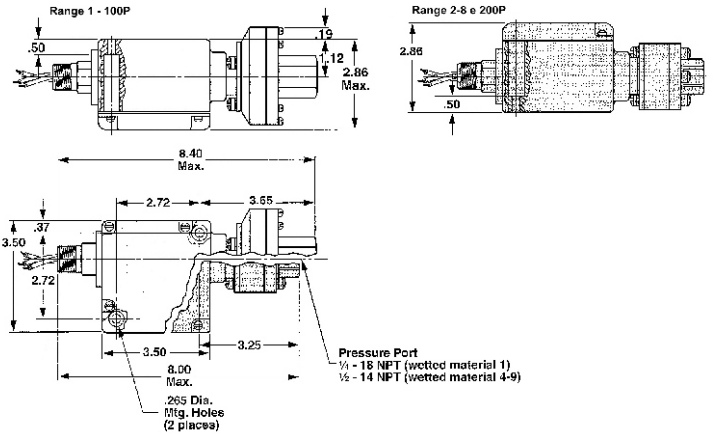
Adjustment ranges 0,15 ÷ 700 bar - Max voltage 250 V - SPDT/DPDT switches - Threads NPT

TECHNICAL DATA STANDARD EXECUTION

Execution	Explosin proof Exd IIC T6
Certification	Atex, CSA, CENELEC
Working Temperature	Ambient -40 +80 °C Media -40 +149 °C
Electrical threads	½" NPT Male Insulated AWG leads L= 450mm
Pressure threads	Wetted material 1: 1/4" NPT Female Wetted material 4, 5, 9: ½" NPT Female
Adjustment	Wrench flat adjustment with range scale

ELECTRICAL SPECIFICATIONS

Explosion proof. Factory sealed. Hermetically sealed. Electrical assembly. P/N 057.0030 (C form), P/N 057.0057 (CC form). Underwriters' Laboratories Inc. Listed (file. E 56677) or Canadian Standards Associations (file. 34146) for Division 1 and 2; Class I; Groups A, B, C, D; Class II Groups E, F, G, hazardous locations (NEMA 7 and 9), ATEX.



EXPLANATION CODE

TYPE

- 100P Diaphragm Explosion proof pressure switches
- 200P Piston Explosion proof pressure switches

WETTED MATERIAL

- 1 (100) Aluminum port, Teflon coated polyimide diaphragm, Buna-N O-Ring
- (200) Aluminium port and piston, Teflon seal, Buna-N O-Ring
- 4 (100) 316 Stainless steel port, Teflon coated Polyimide diaphragm, O-Ring in Buna-N
- 5 (100) 316 Stainless steel port and diaphragm heliarc welded
- 9 (100) Monel port and inconel diaphragm heliarc welded (expect range 1)

RANGE 100

- 1 0,15 ÷ 5 bar
- 2 0,6 ÷ 11 bar
- 4 2,5 ÷ 21 bar
- 5 7 ÷ 41 bar
- 7 31 ÷ 103 bar
- 8 47 ÷ 193 bar

RANGE 200

- 2 1 ÷ 15,4 bar
- 3 10,5 ÷ 105 bar
- 6 26 ÷ 210 bar
- 8 56 ÷ 700 bar

ELECTRICAL FORM

- C6 SPDT Contact: 11 A and 1/4 hp 125 or 250 VAC; 5 A resistive, 3 A inductive @ 28 VDC; 0,5 A resistive @ 125 VDC.
- CC6 DPDT Contact: 11 A and 1/4 hp 125 or 250 VAC; 5 A resistive, 3 A inductive @ 28 VDC; 0,5 A resistive @ 125 VDC.

MISCELLANEOUS

- A Epoxy panit exterior for several environments.
- B Viton O-Ring
- C EPR O-Ring
- E 7/16" SAE port
- F Fire-fuse: for fire tested equipment (wetted 4 & 5 only)
- I 3/4" Conduit box with terminal strip
- j Annealed stainless steel port screw for H₂S environments (wetted 4 & 5 only). Consult factory for reduced system and proof pressure
- M Gold electrical contacts for extremely low current
- N CENELEC / ATEX approval
- R 1800 mm electrical free leads
- S 316 stainless steel diaphragm (100P4 only)
- W Stainless steel screw exterior (standard wetted 4, 5, 9)
- Y 2" NPT port for viscous medias (expect range 1)
- N.B. Non-catalog adjustable ranges and/or set point, deadband and proof pressure. Operating temperature capability from -55 ÷ +200 °C.

ORDERING CODE

100P 1 6 C6 SN

TYPE	100-200
WETTED MATERIAL	1 - 4 - 5 - 9
100 ADJUSTABLE RANGE	1 - 2 - 4 - 5 - 7 - 8
200 ADJUSTABLE RANGE	2 - 3 - 6 - 8
ELECTRICAL FORM	C6 - CC6
MISCELLANEOUS	A-B-C-E-F-I-J-M-N-R-S-W-Y

Adjustable set-point range	Increasing range (bar)	Decreasing range (bar)	Deadband (bar)	Maximum working pressure (bar)	Proof pressure (bar)
100P					
1	0,4 ÷ 5	0,15 ÷ 5	0,2	42	70
2	1 ÷ 11	0,6 ÷ 10	0,4	210	350
4	3,4 ÷ 21	2,5 ÷ 20	1	210	350
5	8,5 ÷ 41	7 ÷ 40	1,8	210	350
7	35 ÷ 103	31 ÷ 101	4,0	210	350
8	55 ÷ 193	47 ÷ 187	8,8	210	350
200P					
2	1,4 ÷ 15,4	1 ÷ 14	0,4 ÷ 1,3	210	315
3	14 ÷ 105	10,5 ÷ 68	3,5 ÷ 16	525	700
6	35 ÷ 210	26 ÷ 189	8,8 ÷ 21	525	700
8	70 ÷ 700	56 ÷ 630	14 ÷ 70	700*	1050*

* Diminished safety factor equal to approximately 2:1