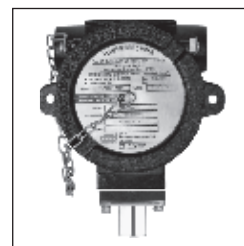


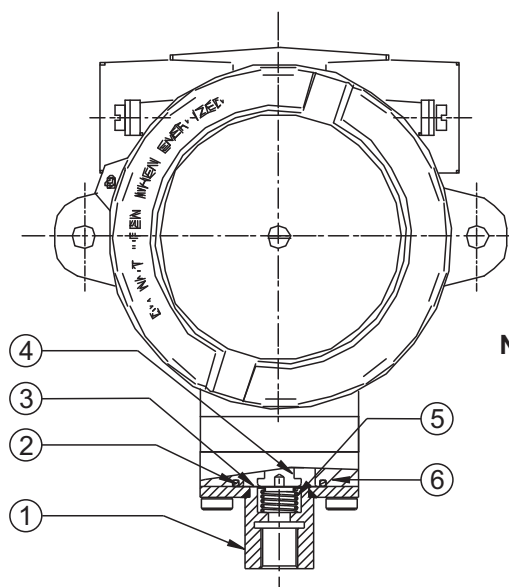
HIGH RANGE COMPOUND SWITCHES FE



FE



PRESSURE CAPSULE DETAILS

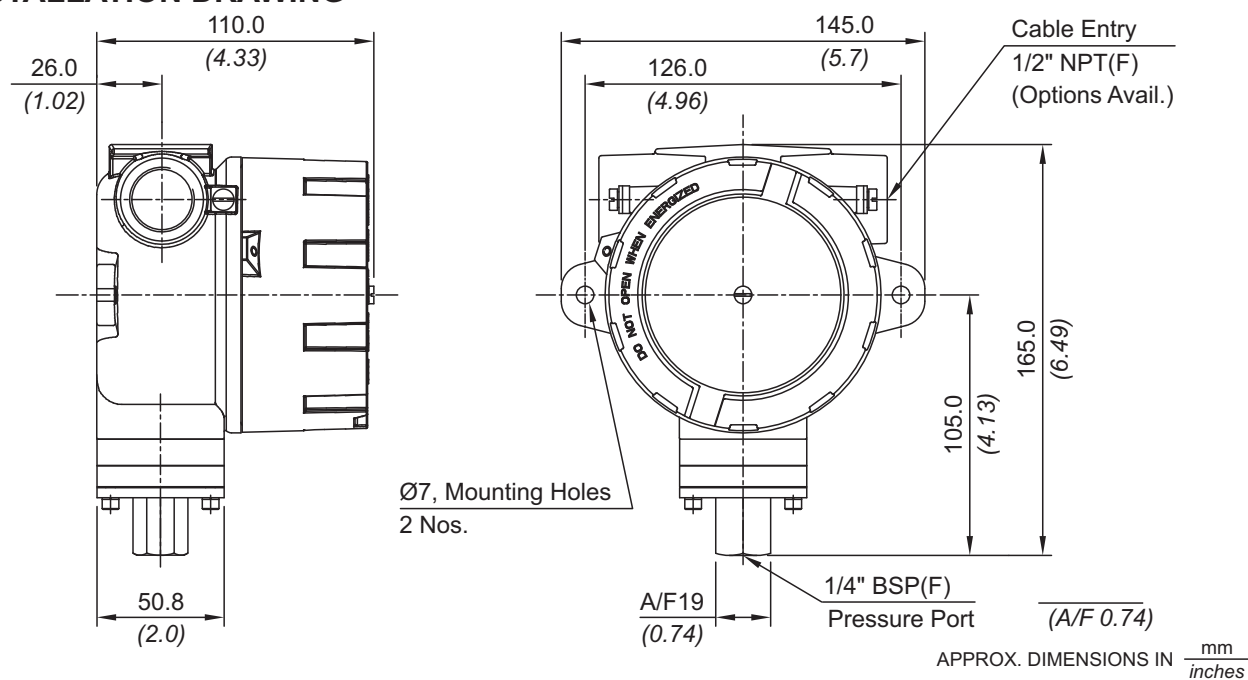


No. Description

1. Pressure Housing
2. PTFE O-Ring
3. Diaphragm
4. Conical Plunger
5. Bottom Spring
6. Support Plate

Note : wetted parts are mentioned in italics.

INSTALLATION DRAWING



FE HIGH RANGE COMPOUND SWITCHES

RANGE SELECTION TABLE

Range Code	Range bar (psi)	Differential* bar (psi)	Maximum Working Pressure bar (psi)
		Approximate Maximum for "A1" microswitch	
C01	-1 to 1.0 (-14.50 - 14.50)	0.2 (2.90)	12 (174.05)
C03	-1 to 2.6 (-14.50 - 37.71)	0.6 (8.702)	12 (174.05)
C04	-1 to 3.6 (-14.50 - 52.21)	0.8 (11.603)	12 (174.05)
C07	-1 to 7 (-14.50 - 101.5)	0.8 (11.603)	12 (174.05)

* Minimum differential increases with setpoint (Graphs available on request)

* Differentials of microswitches A2 through A9 will vary. Differentials for A7 are typically twice that for A1 microswitch. Please indicate specifically the differential value in enquiry/order, when it is critical in your application.

Note : Ranges are quoted for rising set point unless specified otherwise.

All ranges can start from 0 bar to FSR for falling set point.

HOW TO ORDER FLAMEPROOF COMPOUND RANGE SWITCHES

Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7	Group 8
Non standard allocation	Model	Cable Entry Size	Switch Type	Range Code (values in bar)	Microswitch Type	Pressure Port Material / Size	Diaphragm
☐ Reserved for non-standard options not covered in catalogue. Will be given by manufacturer, only after agreement of supply details with customer.	FE = IP66 Flameproof pressure switch, PESO approved	1 = Al. head 1/2" NPT threads 2 = Al. head 3/4" NPT threads 3 = Al. head M20 x 1.5 threads 4 = Grey CI head 1/2" NPT threads 5 = Grey CI head 3/4" NPT threads 6 = Grey CI head M20 x 1.5 threads 7 = SS head 1/2" NPT threads 8 = SS head 3/4" NPT threads 9 = SS head M20 x 1.5 threads	C1 = compound switch, fixed differential without scale	C01 = (-1 to 1.0) C03 = (-1 to 2.6) C04 = (-1 to 3.6) C07 = (-1 to 7.0)	A1 = General purpose microswitch rated at 15 A; 250 VAC A2 = Hermetically sealed for corrosive environments A3 = gold plated contacts for low voltage applications A5 = for high DC ratings A6 = elements with adjustable deadband A7 = 2SPDT switching elements A8 = General purpose microswitch rated at 5 A, 250 VAC; 5 A, 28 VDC A9 = General purpose microswitch rated at 5 A; 250 VAC	S1 = SS316 / 1/4" BSP(F) S2 = SS316 / 1/4" NPT(F)	0 = Neoprene 1 = PTFE
		* Not available in FE models			Please refer Page No. 116 for Microswitch options * Please refer note under Range Selection Table	Please refer Page No. 112 for Pressure Port options	

eg. A flameproof switch for gas group IIC, with 1/2" NPT cable entry in aluminium housing as 1SPDT pressure switch, having -1 bar to +1 bar pressure range, with 15Amp. microswitch, SS316 pressure housing with 1/4" BSP port size & Neoprene diaphragm shall be specified by

Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7	Group 8
☐	FE	1	C1	C01	A1	S1	0

Please specify full model number to avoid ambiguity. If only the first two groups are specified while ordering, uncalibrated switches with standard wetted parts and enclosures will be supplied.

HIGH RANGE COMPOUND SWITCHES

