

EXPLOSIONPROOF SWITCHES

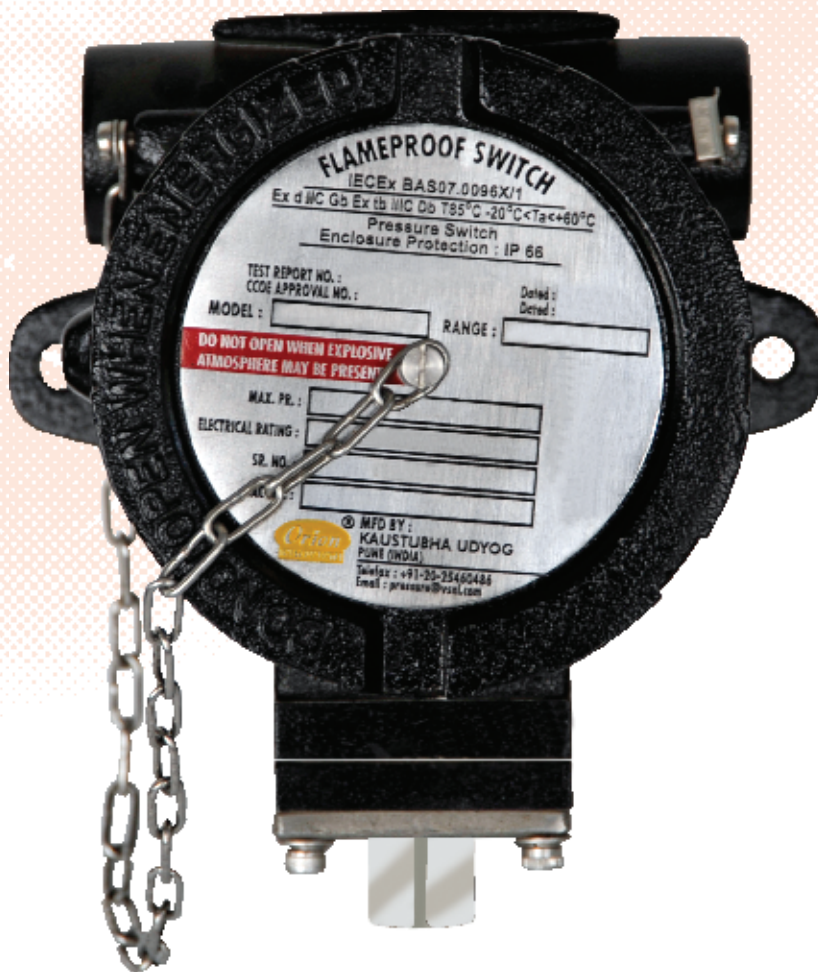
SPECIFIER'S GUIDE FOR

PRESSURE SWITCHES

PRESSURE DIFFERENCE SWITCHES

VACUUM SWITCHES

TEMPERATURE SWITCHES



Explosionproof switches :

These switches have been designed for use in hazardous areas and for severe applications in the Oil and Gas sectors like oil and gas pipelines, petrochemical plants, refineries and generally in atmospheres which are potentially explosive. All switches are designed for gas group IIC, the most severe of the explosive gases, and hence can be used in lower severity atmospheres, typically in IIA and IIB. With grey cast iron enclosures, these can also be used in mines.


SS enclosures can also be offered for highly corrosive atmospheres. Switches can be configured with a lot of options like electrical elements and sensing element configurations to suit the intended working media.

These switches have KLPL approval.

APPLICATIONS

- Oil & Gas
- Petrochemical
- Refineries
- Mines
- Bulk Drug & Pharma
- Chemical Industries

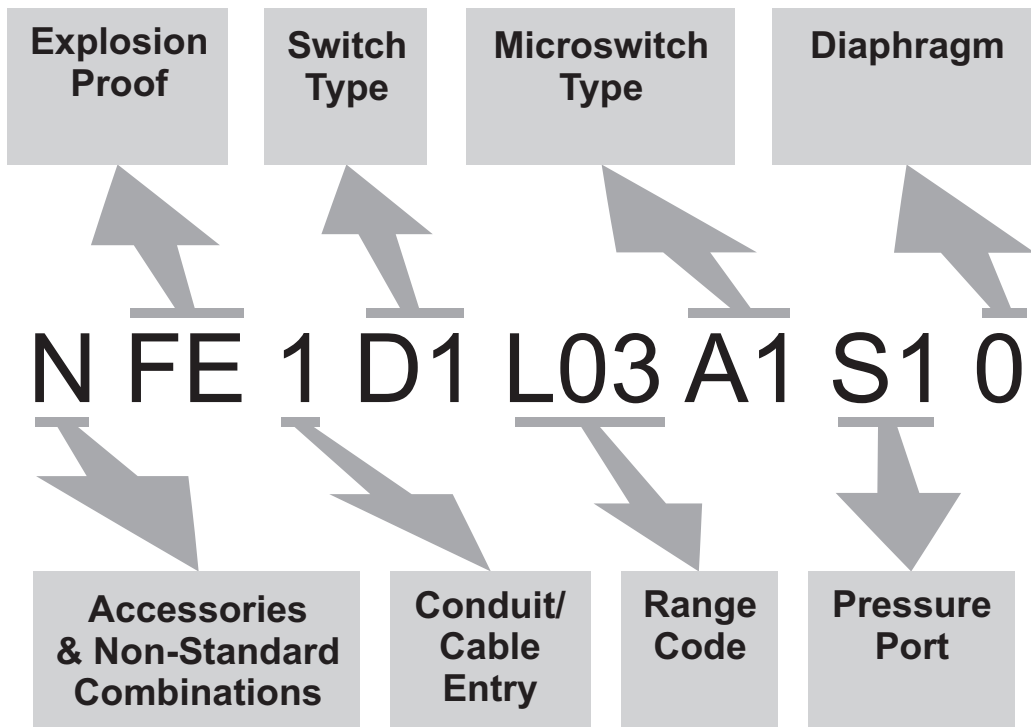
PRODUCT SPECIFICATIONS:

- Storage Temp. : Atmospheric temperature
- Operating ambient Temp. : 0 to 60 degree C
- Media Temp.:- for non-metallic diaphragms 80°C max., higher with metal diaphragms
- Set point repeatability : +/- 1% over full range
- Enclosure details : Al grade LM6 / Grey Cast Iron / Stainless Steel Casing & Cover
- Enclosure Specifications :
 II 2 GD Ex d IIC Gb Ex tb IIIC Db T85°C (-20°C ≤ Ta ≤ +60°C) IP66
Protection : IP66 Standard
Complies to :
 - ♦ IS/IEC 60079-0: 2007, IS/IEC 60079-1:2007, IS/IEC 60079-31:2006 and IS/IEC 60529:2001.Grey CI enclosure for mines (Group I applications)
- Switch output 1 SPDT (2 SPDT on request).

FEATURES

- Compact, rugged Design
- Enclosure protection : IP66 Standard
- Reliable, accurate micro switches used
- Customised Micro switch arrangement can be provided, on request
- Easy, safe wiring connections
- High/low pressure options available
- Accuracy* : +/- 1% FSR / +/- 2 % FSR
- Warranty 2 Years

*Accuracy changes with switch configuration



How to Order

Information and data in this catalog are formatted to provide a convenient guide to assist instrument engineers, plant engineers and end users in selecting pressure switches for their unique applications.

Steps 1 through 6 are required. Step 7 is optional. Orders must have complete Model Numbers, i.e. each component must have a designator.

Step 1: Select **Cable Entry** (page 2).

Step 2: Select **Switch Type** (page 3).

Step 3: Select **Range Code** of pressure switch (page 4).

Step 4: Select **Microswitch Type**, electrical Switching Element for electrical service (page 6).

Step 5: Select **Pressure Port** for process compatibility and connection (page 7).

Step 6: Select **Diaphragm** for process compatibility and containment (page 9).

Step 7: Select **Accessories** required for service (page 13).

N FE 1 D1 L03 A1 S1 0

Conduit/ Cable Entry

- | | |
|--------------------------------------|-------------------------------------|
| 1 = Al. Head
1/2" NPT threads | 6 = Grey CI Head
M20*1.5 threads |
| 2 = Al. Head
3/4" NPT threads | 7 = SS Head
1/2" NPT threads |
| 3 = Al. Head
M20*1.5 threads | 8 = SS Head
3/4" NPT threads |
| 4 = Grey CI Head
1/2" NPT threads | 9 = SS Head
M20*1.5 NPT threads |
| 5 = Grey CI Head
3/4" NPT threads | |

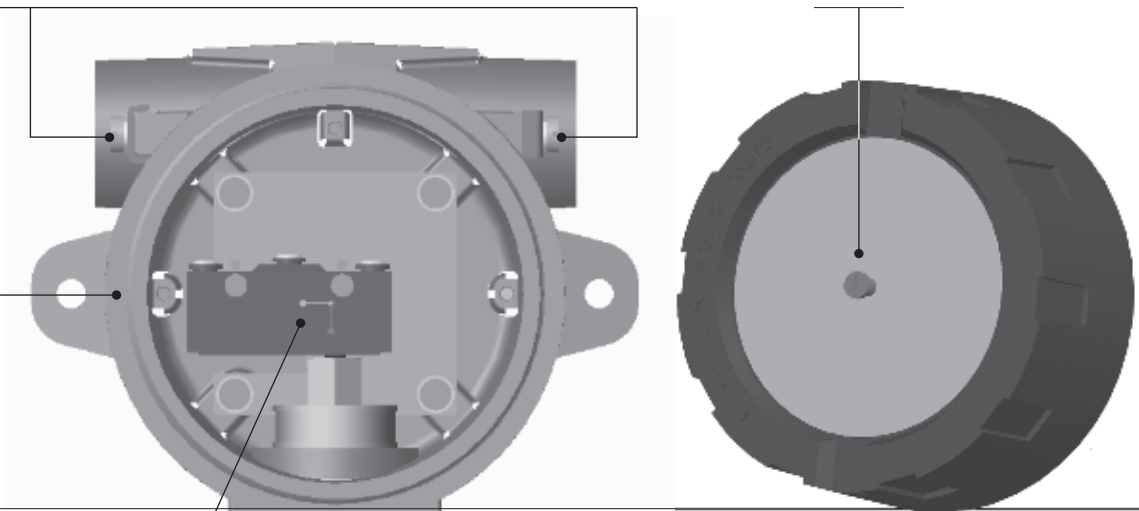
Switch Construction

a) Explosionproof Head (Casing + Cover)

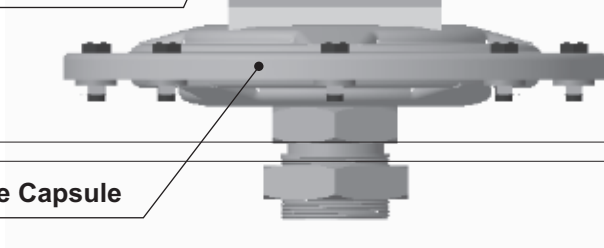
Cable Entry

Casing

Cover



b) Electrical Element (s)



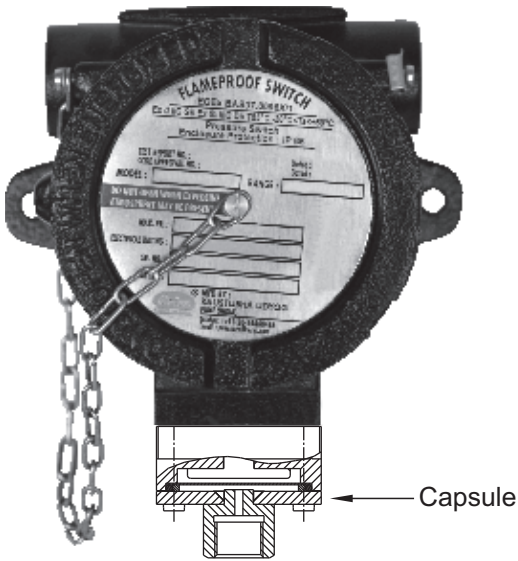
c) Pressure Capsule



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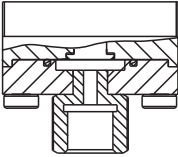
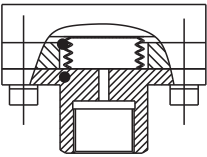
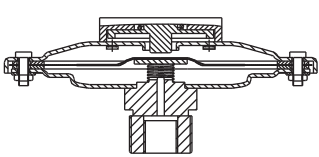
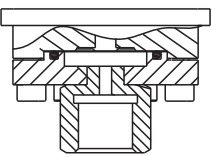
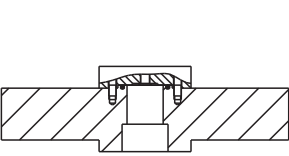
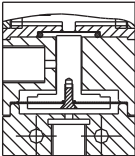

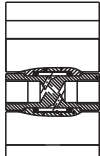
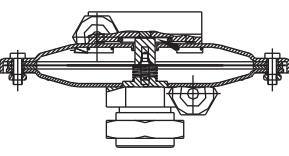
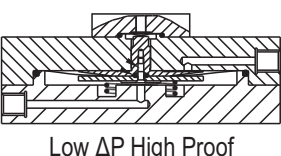
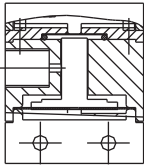
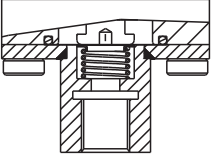
Switch Type

Switch Type		Switch Designator	
P	Pressure Switches		
	1) High Range	1	Without Scale
	2) Low Range	1	Without Scale
A	ANSI Flanged	1	Without Scale
D	Pressure Difference Switches		
	1) High Range	1	Without Scale
	2) Low Range	1	Without Scale
V	Vacuum Switch	1	Without Scale
C	Compound Switch	1	Without Scale
T	Temperature Switch	1	Without Scale



High range pressure

Pressure Capsule Details

 High Proof High Range	 High Range Bellows	 Low Range	 Hydraulic Range
 Flanged Range	 High Range Pressure Difference	 High Proof High Range Pressure Difference	 High Range DP
 Low Range Pressure Difference	 Low ΔP High Proof Pressure Difference Switches	 Vacuum	 Compound Range

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Range Code

P = Pressure Switch

P1 = Bellows

P2 = Hydraulic

A = ANSI Flanged Switch

D = Pressure Difference Switch

V = Vacuum Switch

C = Compound Switch

T = Temperature Switch

Range Code	Range bar (psi)	Switch Type	Differential* bar (psi)	Maximum Working Pressure bar (psi)
			Approximate Maximum for "A1" microswitch	
LP	0.067 - 0.213 (0.97 - 3.09)	P	0.02 (0.29)	5 (72.52)
LP5	0.1 - 0.5 (1.45 - 7.25)	P	0.08 (1.16)	5 (72.52)
H01	0.1 - 1.0 (1.45 - 14.50)	P, A, D	0.10 (1.45)	12 (174.05)
H02	0.1 - 1.5 (1.45 - 21.76)	P, A, D	0.12 (1.74)	12 (174.05)
H03	0.2 - 2.6 (2.90 - 37.71)	P, A, D	0.15 (2.17)	12 (174.05)
H04	0.2 - 3.6 (2.90 - 52.21)	P, A, D	0.20 (2.90)	12 (174.05)
H07	0.5 - 7.0 (7.25 - 101.50)	P, A	0.20 (2.90)	12 (174.05)
H10	0.5 - 10.0 (7.25 - 145.037)	P, A	0.40 (5.80)	25 (362.6)
H15	1.0 - 15.0 (14.5 - 217.56)	P, A	0.50 (7.25)	25 (362.6)
H30	5.0 - 25.0 (72.52 - 362.6)	P, A	1.0 (14.5)	35 (507.63)
P01	0.1 - 1.0 (1.45 - 14.50)	P	0.20 (2.9)	70 (1015.26)
		D	0.24 (3.48)	200 (2900.76)
P02	0.1 - 1.5 (1.45 - 21.76)	P	0.20 (2.9)	70 (1015.26)
		D	0.40 (5.80)	200 (2900.76)
P03	0.2 - 2.6 (2.90 - 37.71)	P	0.30 (4.35)	70 (1015.26)
		D	0.40 (5.80)	200 (2900.76)
P04	0.2 - 3.6 (2.90 - 52.21)	P	0.40 (5.80)	70 (1015.26)
		D	0.60 (8.70)	200 (2900.76)
P07	0.5 - 7.0 (7.25 - 101.50)	P	0.50 (7.25)	70 (1015.26)
P10	0.5 - 10.0 (7.14 - 142.86)	P	0.80 (11.6)	70 (1015.26)
P15	1.0 - 15.0 (14.29 - 214.29)	P	1.50 (23.2)	70 (1015.26)
P30	5.0 - 25.0 (71.43 - 357.14)	P	1.50 (23.2)	70 (1015.26)
H4T	5 - 40 (72.52 - 580.15)	A	5 (72.52)	As per the class of flange
		P1	5 (72.52)	100 (1450.37)
		P2	5 (72.52)	200 (2900.76)
H1H	10 - 100 (145.037 - 1450.37)	P, A	12 (174.05)	200 (2900.75)
H1T	0.5 - 10 (7.25 - 145.04)	P	0.5 (7.25)	150 (2175.00)
H2T	2 - 20 (29.00 - 290.08)	P	2 (29.00)	200 (2900.76)
H2H	7 - 200 (101.53 - 2900.76)	P, A	24 (348.09)	400 (5801.52)
H4H	40 - 400 (580.15 - 5801.52)	P	70 (1015.27)	500 (7251.90)

Range Code	Range bar (psi)	Switch Type	Differential* bar (psi)	Maximum Working Pressure bar (psi)
			Approximate Maximum for "A1" microswitch	
H7H	50 - 700 (725.19 - 10152.70)	P	50 (725.19)	1000 (14503.77)
H1K	100 - 1000 (1450.37 - 14503.77)	P	70 (1015.26)	1200 (17404.53)
D15	1.0 - 15.0 (14.50 - 217.56)	D	0.50 (7.25)	70 (1015.26)
D30	5.0 - 25.0 (72.52 - 362.59)	D	0.50 (7.25)	70 (1015.26)
C01	-1 to 1.0 (-14.50 - 14.50)	C	0.2 (2.90)	12 (174.05)
C03	-1 to 2.6 (-14.50 - 37.71)	C	0.6 (8.702)	12 (174.05)
C04	-1 to 3.6 (-14.50 - 52.21)	C	0.8 (11.603)	12 (174.05)
CL2	-150 to 150 (-5.905 - 5.905)	C	40 (1.605)	2 (29.00)
CL3	-250 to 250 (-9.842 - 9.842)	C	60 (2.410)	2 (29.00)
D01	0.1 - 1.0 (1.45 - 14.50)	D	0.10 (1.45)	70 (1015.26)
D02	0.1 - 1.5 (1.45 - 21.76)	D	0.12 (1.74)	70 (1015.26)
D03	0.2 - 2.6 (2.90 - 37.71)	D	0.17 (2.46)	70 (1015.26)
D04	0.2 - 3.6 (2.90 - 52.21)	D	0.10 (1.45)	70 (1015.26)
D07	0.5 - 7.0 (7.25 - 101.50)	D	0.20 (2.9)	70 (1015.26)
D10	0.5 - 10.0 (7.25 - 145.037)	D	0.20 (2.9)	70 (1015.26)

Range Code	Range in mbar ("wc)	Switch Type	Differential* mbar ("wc)	Maximum Working Pressure bar (psi)
			Approximate Maximum for "A1" microswitch	
L02	1.5 - 15 (0.602 - 6.021)	P, D	3 (1.204)	2 (29.00)
L03	5 - 25 (2.007 - 10.037)	P, D	5 (2.007)	2 (29.00)
L05	10 - 50 (4.015 - 20.073)	P, D	5 (2.007)	2 (29.00)
L10	10 - 100 (4.015 - 40.150)	P, D	5 (2.007)	2 (29.00)
L15	10 - 150 (4.015 - 60.22)	P, D	5 (2.007)	2 (29.00)
L25	20 - 250 (8.029 - 100.36)	P, D	10 (4.015)	2 (29.00)
L35	50 - 350 (20.073 - 140.52)	P, D	25 (10.04)	2 (29.00)
M03	5 - 25 (2.007 - 10.037)	D	5 (2.007)	100 (1450.38)
M05	10 - 50 (4.015 - 20.073)	D	5 (2.007)	100 (1450.38)
M10	10 - 100 (4.015 - 40.150)	D	10 (4.015)	100 (1450.38)
M15	10 - 150 (4.015 - 60.22)	D	10 (4.015)	100 (1450.38)
M25	20 - 250 (8.029 - 100.366)	D	15 (6.022)	100 (1450.38)
M35	50 - 350 (20.073 - 140.52)	D	35 (14.05)	110 (1595.00)

Range Code	Range mmHg ("Hg)	Switch Type	Differential* mmHg ("Hg)	Maximum Working Pressure bar (psi)
			Approximate Maximum for "A1" microswitch	
V00	† 760 - 100 (29.92 - 3.94)	V	10 (0.39)	12 (174.05)

Range Code	Range °C (°F)	Switch Type	Differential* °C (°F)	Maximum Working Temperature °C (°F)
			Approximate Maximum for "A1" microswitch	
T1H	25 - 90 (77 - 194)	T	15 (59)	150 (302)
T2H	70 - 150 (158 - 302)	T	20 (68)	200 (392)
T3H	120 - 215 (248 - 419)	T	30 (86)	300 (572)

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**Microswitch
Type**

MICROSWITCH OPTIONS

Following table lists standard microswitches and their electrical ratings that can be supplied with most FE models. Please get in touch with sales office for feasibility of options on each model. Please write to us on electrical rating options you need, but are not mentioned below.

Code	General Description	AC Rating			DC Rating		
		Current		Voltage	Current		Voltage
		Resistive (A)	Inductive (A)	VAC	Resistive (A)	Inductive (A)	VDC
A1	General Purpose Microswitch	15	NA	125/250/480	NA	NA	NA
A2	Hermetically Sealed for Corrosive Environments	4	2	115	4	2	28
A3	Gold Plated Contacts for Low Voltage Applications	1	NA	125/250	NA	NA	NA
A4	DPDT Configuration	10	NA	125/250	0.3/0.15	NA	125/250
A5	For High DC Ratings	NA	NA	NA	10/3	NA	125/250
A6	Elements with Adjustable Deadband	15	NA	115/250	1	NA	24
A7	2SPDT Switching Elements	5	NA	250	5	3	28
A8	General Purpose Microswitch	5	NA	125/250	5	3	28
A9	General Purpose Microswitch	15	NA	125/250	NA	NA	NA
B1	General Purpose AC/DC Ratings	15	NA	125/250/480	0.25/0.5	NA	125/250
B2	2SPDT Hermetically Sealed Microswitches	2	2	115	4	2	28
B3	2SPDT Gold Plated Contacts for Low Voltage Applications	1	NA	125/250	1	0.5	30
B4	Manual Reset Microswitch	15	NA	125/250/480	NA	NA	NA
B7	2SPDT Switching Elements	15	NA	125/250	NA	NA	NA
B9	2SPDT Adjustable	5	NA	125/250	NA	NA	NA
C6	1 SPDT Adjustable Differential	5	NA	250	5	3	28
C7	2 SPDT Adjustable Differential	5	NA	250	5	3	28
D6	Hermetically Sealed Gold Plated	1	NA	125	NA	NA	NA
D7	Hermetically Sealed Silver Plated	7	NA	250	7	4	28

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Pressure Port

PRESSURE PORT OPTIONS

Material	Stainless Steel (SS)			Hastelloy C				
	Pressure Port Code	S3	S4	S5	H1	H2	H3	H4
Size	1" BSP(M)	1/2" NPT(F)	1/2" NPT(M)	1/4" BSP(F)	1/4" NPT(F)	1" BSP(M)	1/2" NPT(F)	1/2" NPT(M)
FE High Pressure Range	✓	✓	✓	✓	✓	✓	✓	✓
FE High Proof High Range	✗	✓	✓	✓	✓	✗	✓	✓
FE Low Pressure Range	✗	✗	✗	✗	✗	✗	✗	✗
FE Hydraulic Range	✗	✗	✗	✓	✓	✗	✗	✗
FE High Range Pressure Difference	✗	✗	✗	✓	✓	✗	✗	✗
FE High Proof High Range PD	✗	✗	✗	✓	✓	✗	✗	✗
FE High Range DP	✗	✗	✗	✗	✗	✗	✗	✗
FE Low Range Pressure Difference	✗	✗	✗	✗	✗	✗	✗	✗
FE Low ΔP High Proof	✗	✗	✗	✗	✗	✗	✗	✗
FE Vacuum Range	✗	✗	✗	✓	✓	✗	✗	✗
FE Compound Range	✗	✗	✗	✓	✓	✗	✗	✗

Material	Monel					SS316	
	Pressure Port Code	N1	N2	N3	N4	N5	S1
Size	1/4" BSP(F)	1/4" NPT(F)	1" BSP(M)	1/2" NPT(F)	1/2" NPT(M)	1/4" BSP(F)	1/4" NPT(F)
FE High Pressure Range	✓	✓	✓	✓	✓	✓	✓
FE High Proof High Range	✓	✓	✗	✓	✓	✓	✓
FE Low Pressure Range	✗	✗	✗	✗	✗	✓	✓
FE Hydraulic Range	✓	✓	✗	✗	✗	✓	✓
FE High Range Pressure Difference	✓	✓	✗	✗	✗	✓	✓
FE High Proof High Range Pressure Difference	✓	✓	✗	✗	✗	✓	✓
FE High Range DP	✓	✓	✗	✗	✗	✓	✓
FE Low Range Pressure Difference	✗	✗	✗	✗	✗	✓	✓
FE Low ΔP High Proof	✗	✗	✗	✗	✗	✓	✓
FE Vacuum Range	✓	✓	✗	✗	✗	✓	✓
FE Compound Range	✓	✓	✗	✗	✗	✓	✓

Material	SS316	
Pressure Port Code	B1	B2
Size	1/4" BSP(F)	1/4" NPT(F)
FE High Range Bellow	✓	✓

Material	SS316		
Temperature Bulb Code	B1	B2	B3
Size	3/8" BSP(M)	3/8" NPT(M)	1/2" NPT(M)
FE Temperature	✓	✓	✓

FLANGE CODE TABLE

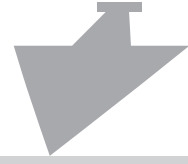
Flanges conform to ANSI B16.5; maximum pressure is limited by flange rating

Class	Stainless Steel		Hastelloy		Alloy 400		Titanium		Tantalum	
	316 L		C276		Monel					
150#	Raised	Flat	Raised	Flat	Raised	Flat	Raised	Flat	Raised	Flat
1/2"	AA	BQ	DG	EW	GM	IC	JS	LI	MY	OO
3/4"	AB	BR	DH	EX	GN	ID	JT	LJ	MZ	OP
1"	AC	BS	DI	EY	GO	IE	JU	LK	NA	OQ
1 1/4"	AD	BT	DJ	EZ	GP	IF	JV	LL	NB	OR
1 1/2"	AE	BU	DK	FA	GQ	IG	JW	LM	NC	OS
2"	AF	BV	DL	FB	GR	IH	JX	LN	ND	OT
300#	Raised	Flat	Raised	Flat	Raised	Flat	Raised	Flat	Raised	Flat
1/2"	AG	BW	DM	FC	GS	II	JY	LO	NE	OU
3/4"	AH	BX	DN	FD	GT	IJ	JZ	LP	NF	OV
1"	AI	BY	DO	FE	GU	IK	KA	LQ	NG	OW
1 1/4"	AJ	BZ	DP	FF	GV	IL	KB	LR	NH	OX
1 1/2"	AK	CA	DQ	FG	GW	IM	KC	LS	NI	OY
2"	AL	CB	DR	FH	GX	IN	KD	LT	NJ	OZ
400#	Raised	Flat	Raised	Flat	Raised	Flat	Raised	Flat	Raised	Flat
1/2"	AM	CC	DS	FI	GY	IO	KE	LU	NK	PA
3/4"	AN	CD	DT	FJ	GZ	IP	KF	LV	NL	PB
1"	AO	CE	DU	FK	HA	IQ	KG	LW	NM	PC
1 1/4"	AP	CF	DV	FL	HB	IR	KH	LX	NN	PD
1 1/2"	AQ	CG	DW	FM	HC	IS	KI	LY	NO	PE
2"	AR	CH	DX	FN	HD	IT	KJ	LZ	NP	PF
600#	Raised	Flat	Raised	Flat	Raised	Flat	Raised	Flat	Raised	Flat
1/2"	AS	CI	DY	FO	HE	IU	KK	MA	NQ	PG
3/4"	AT	CJ	DZ	FP	HF	IV	KL	MB	NR	PH
1"	AU	CK	EA	FQ	HG	IW	KM	MC	NS	PI
1 1/4"	AV	CL	EB	FR	HH	IX	KN	MD	NT	PJ
1 1/2"	AW	CM	EC	FS	HI	IY	KO	ME	NU	PK
2"	AX	CN	ED	FT	HJ	IZ	KP	MF	NV	PL
900#	Raised	Flat	Raised	Flat	Raised	Flat	Raised	Flat	Raised	Flat
1/2"	AY	CO	EE	FU	HK	JA	KQ	MG	NW	PM
3/4"	AZ	CP	EF	FV	HL	JB	KR	MH	NX	PN
1"	BA	CQ	EG	FW	HM	JC	KS	MI	NY	PO
1 1/4"	BB	CR	EH	FX	HN	JD	KT	MJ	NZ	PP
1 1/2"	BC	CS	EI	FY	HO	JE	KU	MK	OA	PQ
2"	BD	CT	EJ	FZ	HP	JF	KV	ML	OB	PR
1500#	Raised	Flat	Raised	Flat	Raised	Flat	Raised	Flat	Raised	Flat
1/2"	BE	CU	EK	GA	HQ	JG	KW	MM	OC	PS
3/4"	BF	CV	EL	GB	HR	JH	KX	MN	OD	PT
1"	BG	CW	EM	GC	HS	JI	KY	MO	OE	PU
1 1/4"	BH	CX	EN	GD	HT	JJ	KZ	MP	OF	PV
1 1/2"	BI	CY	EO	GE	HU	JK	LA	MQ	OG	PW
2"	BJ	CZ	EP	GF	HV	JL	LB	MR	OH	PX
2500#	Raised	Flat	Raised	Flat	Raised	Flat	Raised	Flat	Raised	Flat
1/2"	BK	DA	EQ	GG	HW	JM	LC	MS	OI	PY
3/4"	BL	DB	ER	GH	HX	JN	LD	MT	OJ	PZ
1"	BM	DC	ES	GI	HY	JO	LE	MU	OK	QA
1 1/4"	BN	DD	ET	GJ	HZ	JP	LF	MV	OL	QB
1 1/2"	BO	DE	EU	GK	IA	JQ	LG	MW	OM	QC
2"	BP	DF	EV	GL	IB	JR	LH	MX	ON	QD

RANGE AVAILABILITY AS PER BORE SIZES

	H01 to H04	H07	H10	H15	H30	H2T to H2H
1" NB	NA	Yes	Yes	Yes	Yes	Yes
2" NB	Yes	Yes	Yes	Yes	Yes	Yes

N FE 1 D1 L03 A1 S1 0



Diaphragm / Capillary
 (for Pressure Switches) / (for Temperature Switch)

Diaphragm (for Pressure Switches)

- 0 = Neoprene
- 1 = Teflon
- 2 = SS316L
- 3 = Hastelloy C
- 4 = Monel
- 5 = Titanium
- 6 = Tantalum
- 7 = Inconel

S/W Type	Switches	Diaphragm	0	1	2	3	4	5	6	7
P	High Pressure Range		✓	✓	✓	✓	✓	✓	✓	✓
P	High Proof High Range		✓	✓	✓	✗	✗	✗	✗	✗
P	High Range Bellows		✗	✗	✓	✗	✗	✗	✗	✗
P	Low Pressure Range		✓	✓	✓	✗	✗	✗	✗	✗
P	Hydraulic Range		✓	✓	✓	✓	✓	✓	✓	✓
A	Flanged Pressure Range		✓	✓	✓	✓	✓	✓	✓	✗
D	High Range Pressure Difference		✓	✓	✗	✗	✗	✗	✗	✗
D	High Proof High Range Pressure Difference		✓	✓	✗	✗	✗	✗	✗	✓
D	High Range DP		✓	✓	✓	✗	✓	✗	✗	✗
D	Low Range Pressure Difference		✓	✓	✗	✗	✗	✗	✗	✗
D	Low DP High proof Pressure Difference		✓	✓	✗	✗	✗	✗	✗	✗
V	Vacuum		✓	✓	✗	✗	✗	✗	✗	✗
C	Compound		✓	✓	✗	✗	✗	✗	✗	✗

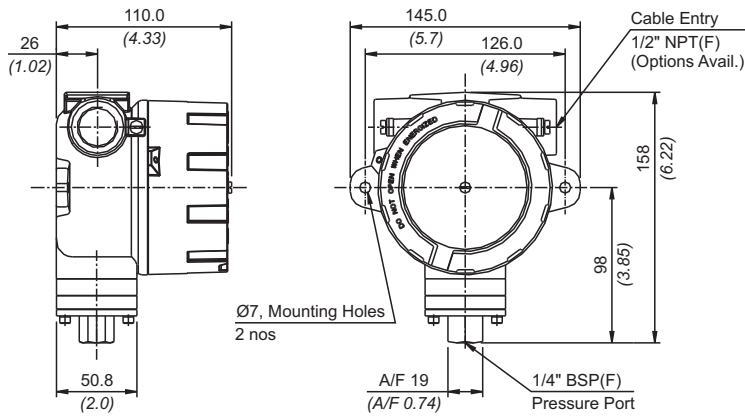
Capillary (for Temperature Switch)

2 = SS316 / 2.0 mtr.

S/W Type	Switch	Capillary	2
T	Temperature Switch		✓

HIGH PRESSURE RANGES

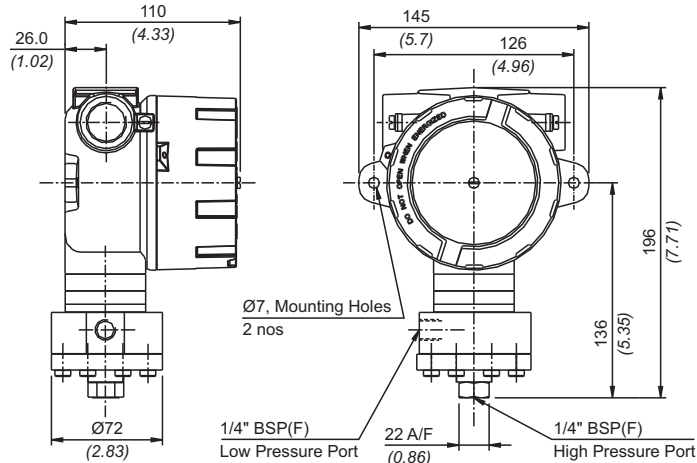
INSTALLATION DRAWING



APPROX. DIMENSIONS IN $\frac{\text{mm}}{\text{inches}}$

HIGH RANGE HIGH PROOF SWITCHES

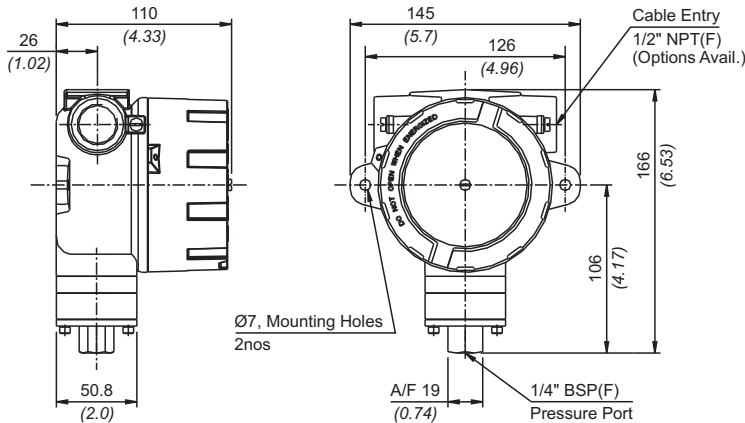
INSTALLATION DRAWING



APPROX. DIMENSIONS IN $\frac{\text{mm}}{\text{inches}}$

HIGH RANGE BELLOWS SWITCHES

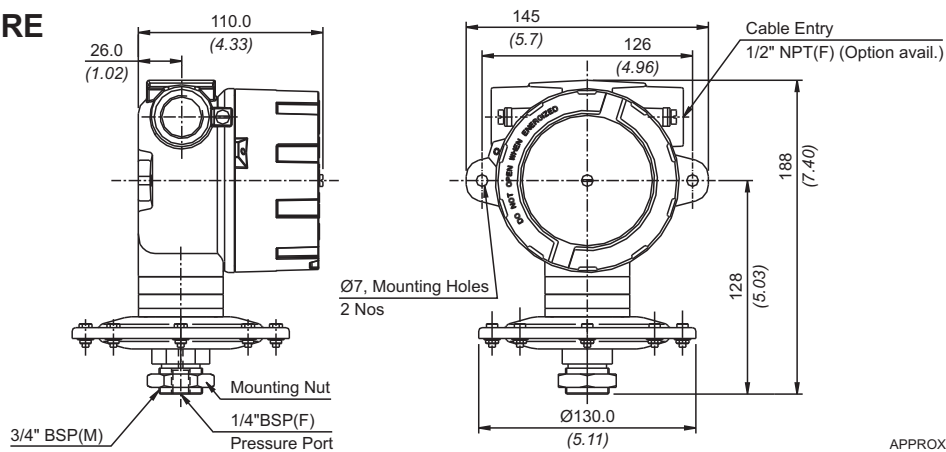
INSTALLATION DRAWING



APPROX. DIMENSIONS IN $\frac{\text{mm}}{\text{inches}}$

LOW PRESSURE RANGES

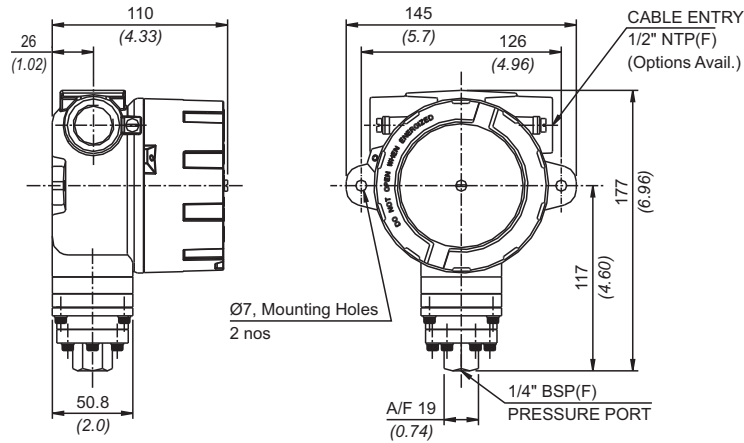
INSTALLATION DRAWING



APPROX. DIMENSIONS IN $\frac{\text{mm}}{\text{inches}}$

HYDRAULIC RANGES

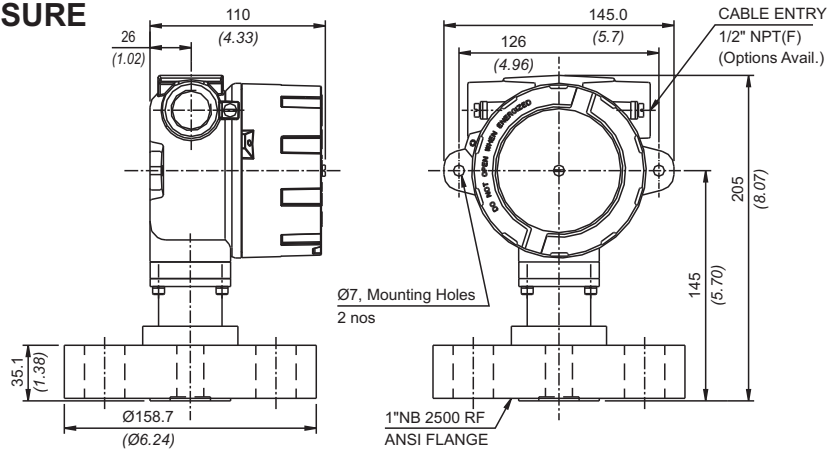
INSTALLATION DRAWING



APPROX. DIMENSIONS IN $\frac{\text{mm}}{\text{inches}}$

FLANGED PRESSURE SWITCHES

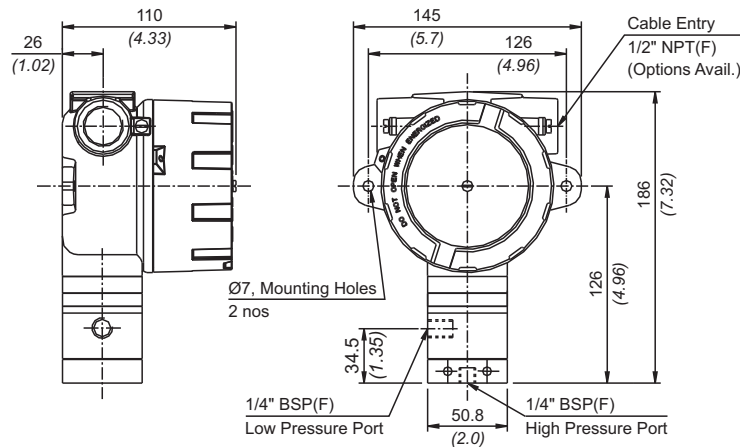
INSTALLATION DRAWING



APPROX. DIMENSIONS IN $\frac{\text{mm}}{\text{inches}}$

HIGH RANGE PRESSURE DIFFERENCE SWITCHES

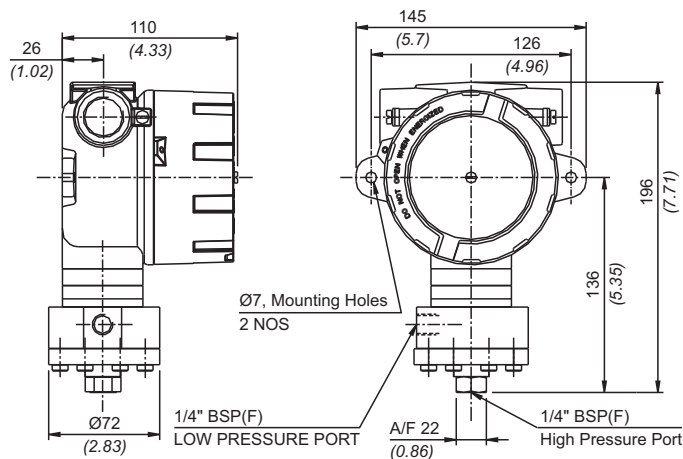
INSTALLATION DRAWING



APPROX. DIMENSIONS IN $\frac{\text{mm}}{\text{inches}}$

HIGH RANGE HIGH PROOF PRESSURE DIFFERENCE SWITCHES

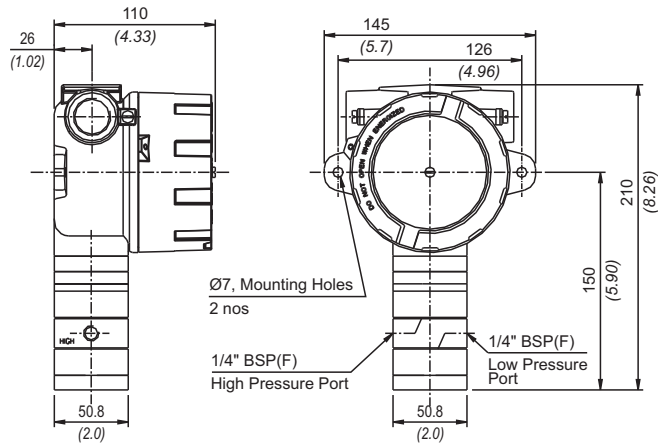
INSTALLATION DRAWING



APPROX. DIMENSIONS IN $\frac{\text{mm}}{\text{inches}}$

HIGH RANGE DP

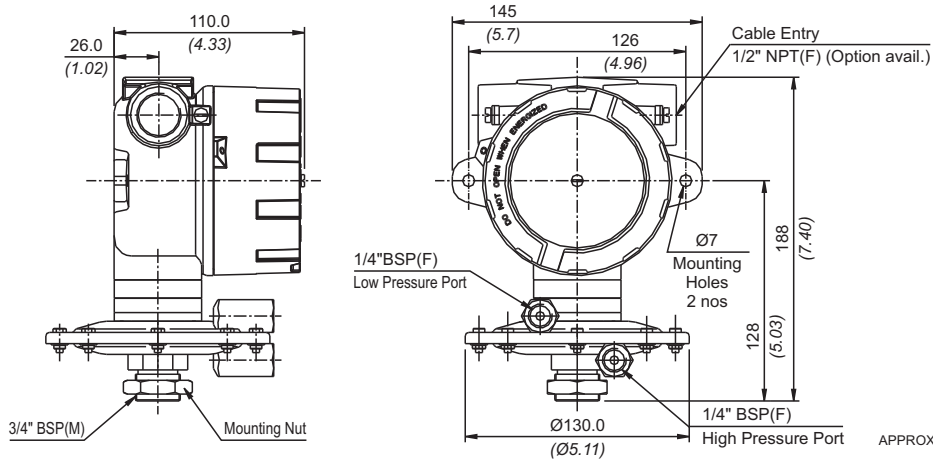
INSTALLATION DRAWING



APPROX. DIMENSIONS IN $\frac{\text{mm}}{\text{inches}}$

LOW RANGE PRESSURE DIFFERENCE SWITCHES

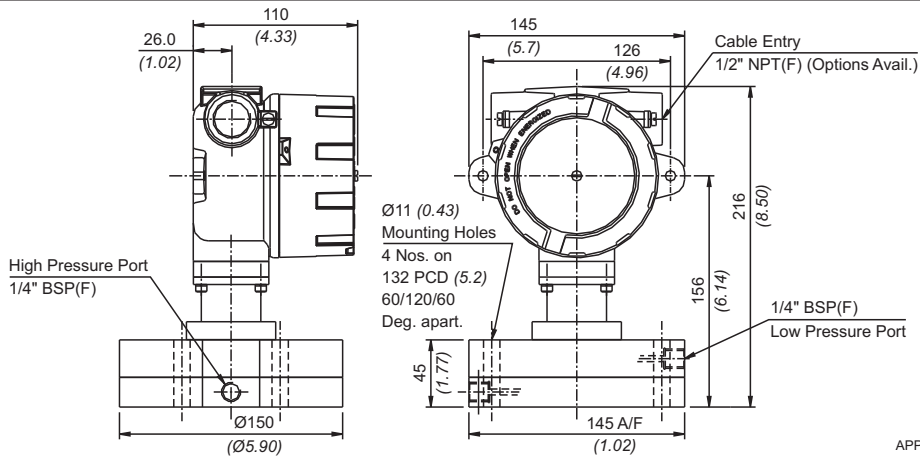
INSTALLATION DRAWING



APPROX. DIMENSIONS IN $\frac{\text{mm}}{\text{inches}}$

LOW ΔP HIGH PROOF PRESSURE DIFFERENCE SWITCHES

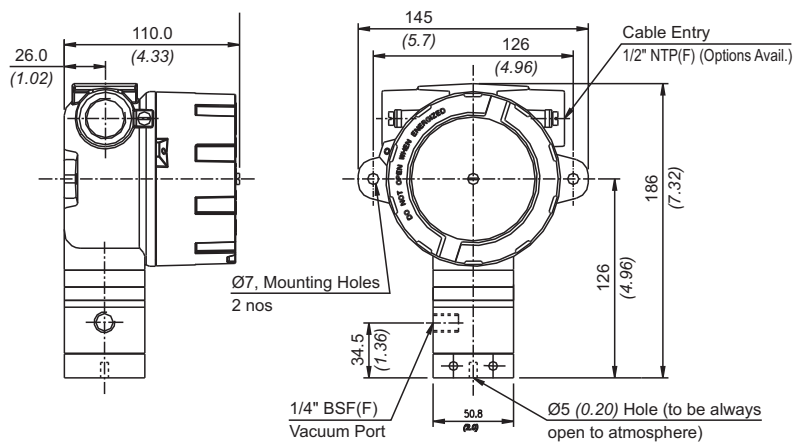
INSTALLATION DRAWING



APPROX. DIMENSIONS IN $\frac{\text{mm}}{\text{inches}}$

VACUUM SWITCHES

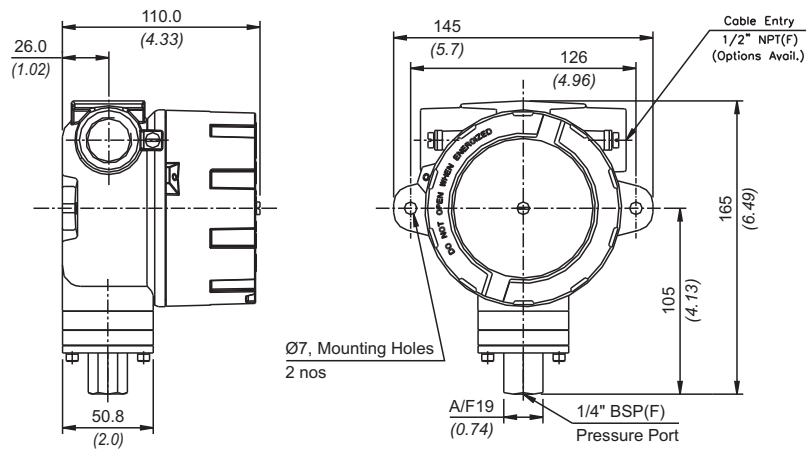
INSTALLATION DRAWING



APPROX. DIMENSIONS IN $\frac{\text{mm}}{\text{inches}}$

COMPOUND RANGE SWITCHES

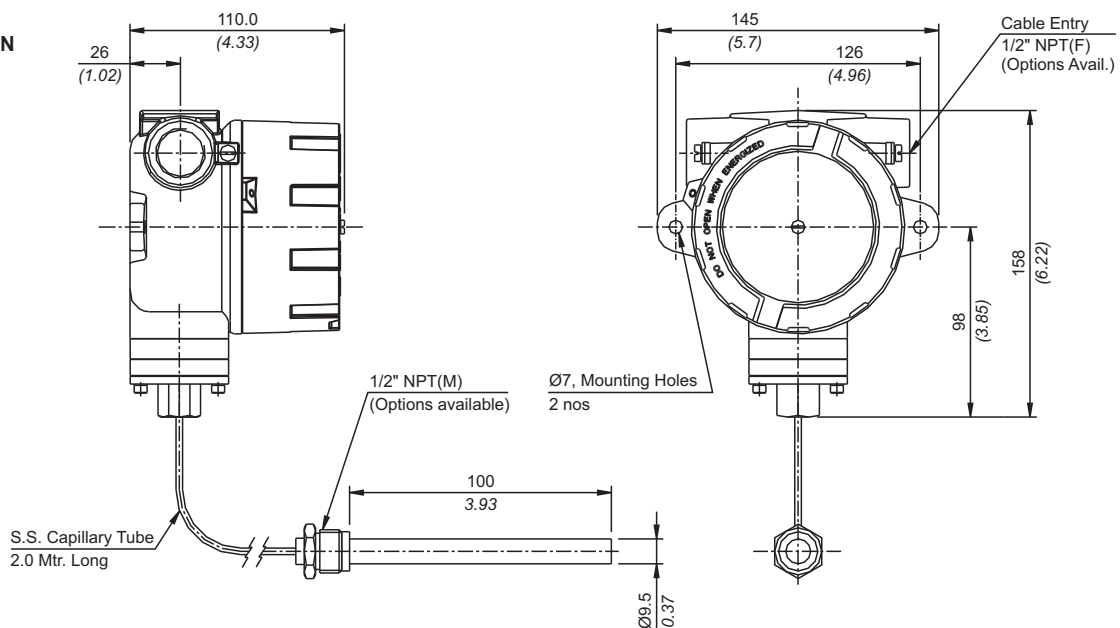
INSTALLATION DRAWING



APPROX. DIMENSIONS IN $\frac{\text{mm}}{\text{inches}}$

TEMPERATURE SWITCHES

INSTALLATION DRAWING



APPROX. DIMENSIONS IN $\frac{\text{mm}}{\text{inches}}$

ACCESSORIES

Following accessories can be provided with pressure switches to make it suitable for any particular application.

- Syphons
- Chemical seals (or diaphragm seals)
- Adaptors to suit customer's process connection
- Switch savers
- Impulse tubes
- Tag plates (to display tag no. and identify the instrument)
- Manifolds
- Pipe mounting brackets
- Mounting plates to suit other makes on the market
- Snubbers

Authorised Dealer



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