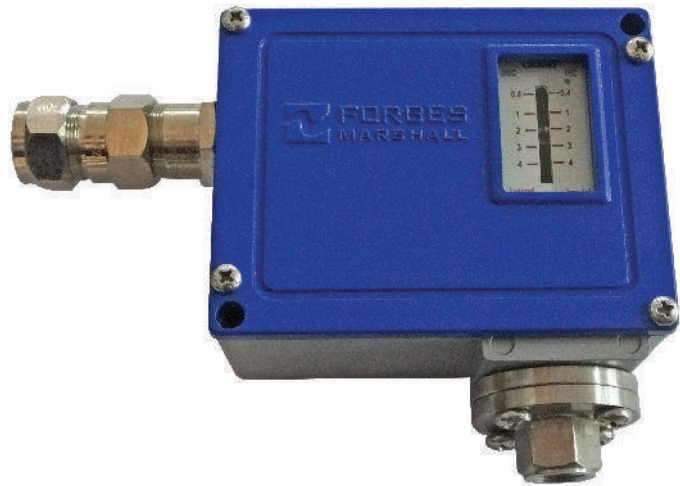


WP – Weather Proof Pressure Switch

WP Series Weather Proof Pressure Switches have been primarily designed to control the pressure in safe area applications. The compact design helps in easy commissioning and installation. The specially designed aluminum die cast enclosure is IP67 approved. It is designed to sustain mechanical vibration and shocks. They can be used in boilers, tankers, steam lines etc.



Features

- Compact type
- Easy installation
- Fixed / adjustable differential
- Adjustable set point
- Aluminum die-cast
- Weatherproof to IP 67
- Internal locking
- Scale provided

Applications

- Oil and Gas, Refineries
- Textile machinery
- Railway engines and turbines
- Power plants
- Steel plants
- Furnace applications
- Petro-chemicals and Fertilizers
- Cement industry
- Glass industry

Standard Specifications

Repeatability	: ± 0.5 % F.S
Scale accuracy	: ± 1% F.S
Measurement unit	: bar, kg/cm ² , psi, mbar & mmWC
Range	: Refer "range table"
Range adjustment	: External and internal locking
Differential	: Fixed and adjustable (Optional)
Mounting	: Bottom / Panel
Enclosure material	: Aluminum pressure die cast
Sensing elements	: SS 316 Diaphragm
Switch	: 1 SPDT Snap action micro switch
Switch rating	: 15A, 250 VAC / 0.2A, 24 VDC
Process connection	: ¼" NPT (F)
Maximum process temperature	: 130 °C
Ambient temperature	: -10...60 °C
Cable entry	: PG.13.5 mm
Set point	: Between 15 to 85 % F.S for better performance
High voltage strength	: 0.6 KV between open contacts and 2 KV between contact and body

Range Table

Code	Range mmWC
A	-200 + 200
B	-200 + 400
C	-400 + 200
D	-400 + 600
E	-500 + 500
	kg/cm² & Bar
F	0.1 + 1
G	0.2 + 2
H	0.3 + 3
I	0.4 + 4
J	0.5 + 5

Code	Range kg/cm ² & Bar
K	0.6 + 6
L	0.7 + 7
M	1 + 10
N	1.6 + 16
O	2.5 + 25
P	4 + 40
Q	6 + 60
R	10 + 100
S	16 + 160
T	25 + 220
U	50 + 300

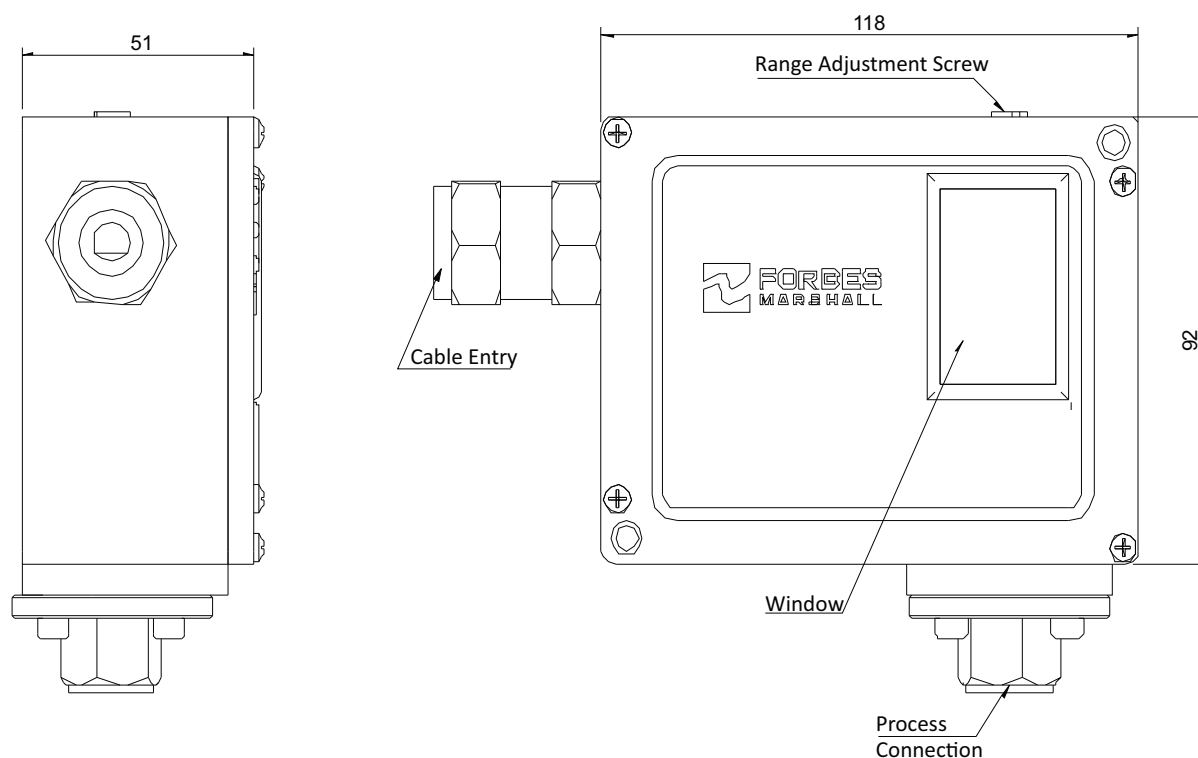
Compatible Accessories

Chemical seal
Syphon

Gauge saver
Snubber

All type of manifolds

Dimensional Drawing



Microswitch Specifications

Description	Rating	Code 1SPDT	Code 2SPDT
General purpose	5-15A, 250 VAC	A	B
Gold contact	1A, 250 VAC	C	D
Environmentally sealed silver contact	5-15A, 250 VAC	E	F
Environmentally sealed gold contact	1 A, 250 VAC	G	H
Hermetically sealed silver contact	5-15A, 250 VAC	I	J
Hermetically sealed gold contact	1 A, 250 VAC	K	L

For any other requirement please contact Forbes Marshall. Other ranges can also be provided on request.

Ordering Codes

1. Model WP Weather proof pressure switch	WP	9. Sensor moc 1 SS 316 2 Monel 3 Hastelloy C 4 Teflon backup	1
2. Mounting 1 Direct bottom 2 Surface bottom	1	10. Wetted parts moc 1 SS 316 2 Monel 3 Hastelloy C	1
3. Process connection size A 1/4" B 3/8" C 1/2"	A	11. Optionals features Calibration test certificate Material test certificate SS304 tag plate Wall mounting plate Pipe mounting with 2" pipe U-clamp	XXXX
4. Process connection type A NPT(M) D NPT(F) B BSP(M) E BSP(F) C BSPT(M) F BSPT(F)	A		
5. Range Please refer standard ranges table	F		
6. Units 1 Kg/sq.cm dual scale with Bar 2 m Bar dual scale with mm WC	1		
7. Microswitch Refer table "Micro switch specification"	A		
8. Cable entry A 3/4 ET single comp. gland B 3/4 ET double comp. gland C 1/2" NPT single comp. gland D 1/2" NPT double comp. gland E PG 13.5 single comp. gland F M20 X 1.5 P single comp. gland	A		

Ordering Code

CODE for below Pressure Switch will be **WP1AAF1AA11-0000**

Weather proof pressure switch, direct bottom, 1/4"NPT(M), 0.1 + 1 Kg/sq.cm dual scale with bar, 1 SPDT general purpose, 5-15A,250VAC, 3/4"ET single compression gland, SS316 sensor, SS316 wetted parts-optional features

Notes

For special material such as Monel and Hastelloy C, the use of Diaphragm Seal Pressure Switch is recommended. All ranges above 40 Bar are manufactured with piston as sensor.



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Forbes Marshall Arca
Codel International
Forbes Solar
Forbes Vyncke
Forbes Marshall Steam Systems

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