



## Special Features

- High accuracy & repeatability
- SS wetted parts
- Set point locking
- Highly reliable
- Diaphragm seals (optional)

## Applications

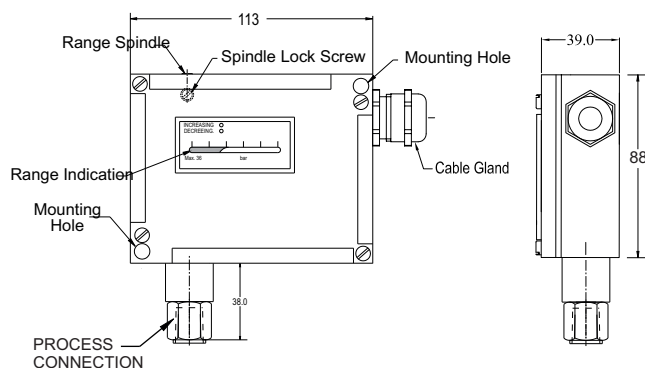
- Boiler, furnace, railway engines.
- Oil & gas, conventional & nuclear power plants, mines, iron & steel plants, refineries, petrochemical, hydraulics, food & pharmaceutical, chemical & fertilizer, cement, textile, glass, paint, pulp & paper, marine industries.

## Specifications

### Standard Version

Repeatability	:	± 1% F. S.
Scale Unit	:	bar
Range	:	Refer "how to order"
Set point	:	Between 20 to 80% F. S. for better performance
Over pressure limit	:	150% of F. S.
Differential	:	Fixed
Mounting	:	Bottom / Panel
Process connection	:	1/4" NPT (F)
Enclosure protection	:	W/P to IP 66
Enclosure material	:	Pressure die cast aluminum
Maximum process temperature	:	150 °C
Ambient temperature	:	-10 to 60 °C
Switch	:	1 SPDT, snap action micro switch
Switch rating	:	15 A, 250 VAC, 0.2 A, 220 VDC
High voltage strength	:	0.5 to 0.6 KV between open contacts and 2 KV between contacts and body
Insulation resistance	:	>100 M ohms at 500 V
Sensing element	:	Piston
Wetted parts	:	AISI 316 SS
Cable entry	:	PG 13.5 mm
Accuracy	:	± 1.0% F. S.
Conformity	:	BS 6134

## Dimensional Details



Notes : • Drawings are not to scale. • All dimensions are in mm.

How To Order						Example
<b>Basic Model</b>						ZPPW
<b>Range</b>						XXXX
<b>Ordering Code</b>	<b>Range (bar)</b>	<b>Ordering Code</b>	<b>Range (bar)</b>	<b>Ordering Code</b>	<b>Range (bar)</b>	
P060	5 to 60	P160	10 to 160	P400	40 to 400	
P100	10 to 100	P250	10 to 250			
Note : Other equivalent scale units like kg/cm <sup>2</sup> , kPa, MPa, psi, mmWC etc can be provided on request.						
<b>Wetted Parts</b>						XX
C6	AISI 316 SS (standard)	SL	AISI 316L SS			
<b>Differential</b>						X
F	Fixed (standard)	A	Adjustable (Only with GPA Switch)			
<b>Note :</b> Fixed : 1 SDDT = 3 to 5% F.S. 2 SPDT = 4.5 to 7.5% F.S. Adjustable : 1 SPDT = 5 to 12.5% FS						
<b>Type of Micro Switch</b>						XX
1S	1 SPDT	2S	2 SPDT			
<b>Micro Switch Rating</b>						XXX
<b>Switch Code</b>	<b>Description</b>	<b>AC Rating</b>	<b>AC Rating (Resistive)</b>	<b>DC Rating (Inductive)</b>		
GPL	Low dead band and fixed	15 A 250 V	2 A 24 V 0.4 A 110 V 0.2 A 220 V	2 A 24 V 0.4 A 110 V 0.2 A 220 V		
GPH	Standard dead band	15 A 250 V	6 A 24V 0.5 A 110 V 0.25 A 220 V	5 A 24 V 0.05 A 110 V 0.03 A 220 V		
GPA*	Adj. differential micro switch	15 A 250 V			(*For 1 SPDT switch only)	

How To Order										Example
Calibration										X
I	Increasing			D	Decreasing					
Process Connections (* Please mention the flange face and flange finish)										
		Through Adaptors			Flanged (As per ANSI B 16.5)*					XXX
2NM	1/4" NPT (M)	3BM	3/8" BSP (M)	B09	1/2" 150 #	B21	1" 150 #	B39	2" 150 #	
2NF	1/4" NPT (F) (Standard)	3BF	3/8" BSP (F)	B10	1/2" 300 #	B22	1" 300 #	B40	2" 300 #	
		4BM	1/2" BSP (M)	B11	1/2" 600 #	B23	1" 600 #	B41	2" 600 #	
		4BF	1/2" BSP (F)	B15	3/4" 150 #	B33	1 1/2" 150 #	B51	3" 150 #	
		4NM	1/2" NPT (M)	B16	3/4" 300 #	B34	1 1/2" 300 #	B52	3" 300 #	
		4NF	1/2" NPT (F)	B17	3/4" 600 #	B35	1 1/2" 600 #	B53	3" 600 #	
Cable Entry										XXX
DIN	DIN Connection*	ETE	3/4" ET	ECB	3/4" ET DCCG Brass	4PN	4 PIN Connection*			
PGE	PG 13.5 (Std)	2NP	1/2" NPT (F)	NPB	1/2"NPT DCCG Brass	7PN	7 PIN Connection			
ECS	3/4" ET DCCG SS	NPS	1/2"NPT DCCG SS							
* For 1 SPDT										
Options										XX
PW	Calibration certificate			WM	Wall mounting bracket (steel plated)					
SX	SS Tag plate			PM	2" Pipe mounting					
GH	Material test certificates***			JU	2" Pipe/yoke mounting bracket & 'U' clamp (AISI 304 SS)					
SG	Oxygen service			FN	2" Pipe/yoke mounting bracket & 'U' clamp (AISI 316 SS)					
PU	Calibration certificate traceable to national/international standards									
Accessories (refer individual datasheet for complete specifications)										
EB	Cooling tower	ED	Overload protector	EG	Snubber					
EC	Gauge cock	NV4	Needle valve	EH	Syphon					
DS	Diaphragm seals	EL	Cooling capillary	VM	Manifolds					

\*\*\*Material test certificates will be provided for wetted parts only with chemical composition testing.

For others, please consult factory.

**Ordering Example: ZPPW . XXXX . XX . X . XX . XXX . X . XXX . XXX . XX**

Note : In 2 SPDT Instruments, there may be an error of max  $\pm 2\%$  F. S. between micro switches at the set point.