


**Special Features**

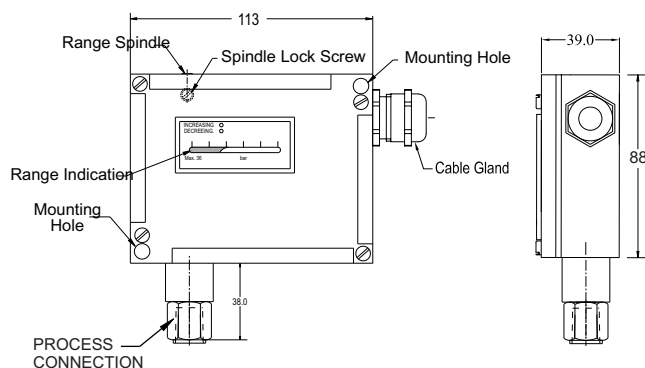
- High accuracy & repeatability
- SS wetted parts
- Set point locking
- Highly reliable
- Diaphragm seals (optional)

**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**
**Basic Model**

ZPPW

**Range**

Ordering Code	Range (bar)	Ordering Code	Range (bar)	Ordering Code	Range (bar)
<b>P060</b>	5 to 60	<b>P160</b>	10 to 160	<b>P400</b>	40 to 400
<b>P100</b>	10 to 100	<b>P250</b>	10 to 250		

XXXX

 Note : Other equivalent scale units like kg/cm<sup>2</sup>, kPa, MPa, psi, mmWC etc can be provided on request.

**Wetted Parts**
**C6**    AISI 316 SS (standard)                      **SL**    AISI 316L SS

XX

**Differential**
**F**    Fixed (standard)                                      **A**    Adjustable (Only with GPA Switch)

X

**Note :**

 Fixed : 1 SDDT = 3 to 5% F.S.                                      Adjustable : 1 SPDT = 5 to 12.5% FS  
           2 SPDT = 4.5 to 7.5% F.S.

**Type of Micro Switch**
**1S**    1 SPDT    **2S**    2 SPDT

XX

**Micro Switch Rating**

Switch Code	Description	AC Rating	AC Rating (Resistive)	DC Rating (Inductive)
<b>GPL</b>	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
<b>GPH</b>	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
<b>GPA*</b>	Adj. differential micro switch	15 A 250 V		

XXX

(\*For 1 SPDT switch only)

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

**Note** : Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing .  
Modifications may take place and materials specified may be replaced by others without prior notice.