


Special Features

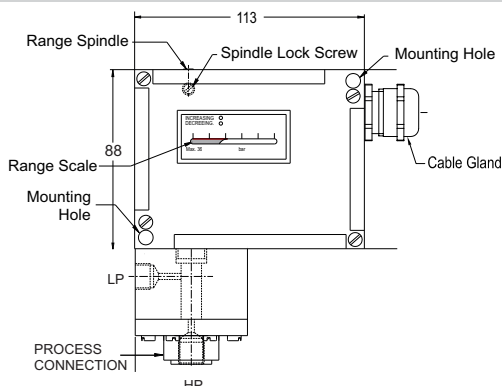
- High accuracy & repeatability
- SS wetted parts
- Set point locking
- Highly reliable
- Diaphragm seals (optional)

Applications

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

Specifications
Standard Version

Repeatability	:	± 0.5% F. S.
Scale unit	:	bar
Range	:	Refer "how to order"
Set point	:	Between 20 to 80% F. S. for better performance
Overpressure limit	:	150% of F. S.
Differential	:	Fixed
Mounting	:	Direct / 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	:	Diaphragm
DP chamber material	:	Aluminum (for range 5 to 600 mbar) AISI 316 SS (for range 3 to 20 mbar & 1 to 25 bar)
Sensing element material	:	AISI 316L SS
Cable gland	:	PG 13.5 mm
Scale 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

ZDDW

Range (* With 1 SPDT only)

Ordering Code	Range (mbar)	Ordering Code	Range (bar)
W020*	3 to 20	P001	0.1 to 1
W060	5 to 60	P002	0.2 to 2
W100	10 to 100	P004	0.4 to 4
W250	25 to 250	P006	0.6 to 6
W400	40 to 400	P010	1 to 10
W600	60 to 600	P016	1 to 16
		P025	2 to 25

XXXX

 Note : Other equivalent scale units like kg/cm², kPa, MPa, psi, mmWC etc can be provided on request.

DP Chamber Material
C6 AISI 316 SS

XX

SL AISI 316L SS

Sensing Element Material
SL AISI 316L SS (Standard)

XX

Differential
F Fixed (Standard)

A Adjustable (For 1 SPDT & Only with GPA Switch)

Note : 1 SPDT = 3 to 5% FS

2 SPDT = 4.5 to 7.5% FS

1 DPDT = 7.5 to 19% FS

Adjustable : 1 SPDT = 5 to 12.5% FS

X

Type of Micro Switch
1S 1 SPDT

2S 2 SPDT

1D 1 DPDT (For range codes P002 to P025 only)

XX

Micro Switch Rating

Switch Code	Description	AC Rating	AC Rating (Resistive)	DC Rating (Inductive)
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		
DPD	DPDT Micro Switch	10 A 125 V	0.2 A 250 V	

(*For 1 SPDT switch only)

XXX

How To Order							Example			
Calibration							X			
I	Increasing		D	Decreasing						
Process Connections (* Please mention the flange face and flange finish)							XXX			
			Through adaptors	Flanged (As per ANSI B 16.5)*						
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			9PN	9 PIN Connection			
* For 1 SPDT										
Options							XX			
PW	Calibration certificate			WM	Wall mounting bracket (steel plated)					
SX	SS Tag plate			PM	2" Pipe mounting					
TF	Conformity as per NACE Standard			JU	2" Pipe/yoke mounting bracket & 'U' clamp (AISI 304 SS)					
GH	Material test certificates***			FN	2" Pipe/yoke mounting bracket & 'U' clamp (AISI 316 SS)					
SG	Oxygen service									
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 chemical composition testing.
For others, please consult factory.

Ordering Example: ZDDW . XXXX . XX . 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.