

### Special Features

- High accuracy & repeatability
- SS wetted parts
- Set point locking
- Highly reliable

### Applications

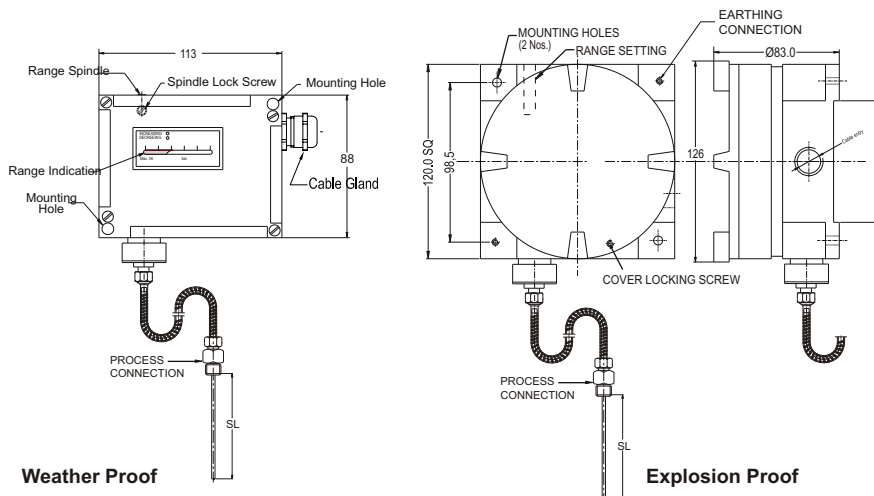
- Boiler, furnace, turbines, compressors, oil & gas, conventional & nuclear power plants, waste water treatment, mines, petrochemical, food & pharmaceutical, chemical & fertilizer, cement, textile, pumps, glass, paint, pulp & paper, marine industries.

### Specifications

#### Standard Version

Repeatability	:	± 1% F. S.
Scale accuracy	:	± 3% F. S.
Scale	:	°C
Range	:	Refer "how to order"
Maximum temperature limit	:	130% of F. S.
Differential	:	Fixed
Mounting	:	Direct / Panel
Process connection	:	1/2" BSP (M)
Enclosure protection	:	IP 66
Enclosure material	:	Die cast aluminum
Switch	:	1 SPDT
Switch rating	:	15 A, 250 VAC, 0.2 A, 220 VDC
Sensor	:	Bulb (Gas filled)
Sensor material	:	AISI 316 SS
Diaphragm	:	AISI 316 L SS
Cable gland	:	DIN connector for 1 SPDT PG 13.5 mm for 2 SPDT

### Dimensional Details



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

How To Order										Example		
Basic Model										ZTD		
Enclosure										X OR XX		
WA Die Cast Aluminum (Weather proof to IP 66)												
X Explosion proof to Class 1, Div. 2, Gas Groups B, C & D												
Process Connection (# Not recommended for revolving / swivel connections)										XXX		
3BM 3/8" BSP (M)		4BM ½" BSP (M) (Standard)*		5BM 3/4" BSP (M)								
3NM 3/8" NPT (M)*#		4NM ½" NPT (M)#*		4MM M20 x 1.5 (M)*								
3TM 3/8" BSPT (M)*#		4TM ½" BSPT (M)#*										
* Suitable for stem diameter 6 to 10 mm												
Note : Connections like Metric/ PT/ PF/ Flaired/ UNF/ G/ R etc can be provided on request.												
Process Connection Type										XX		
ZI Adjustable (standard)		ZJ Fixed		KJ Revolving / swivel								
Stem Length (Below Thread Max. 600 mm)										100 mm		
Minimum Stem Length (Below Thread)		130 mm	120 mm	120 mm	120 mm	110 mm						
Stem OD		6 / 6.35mm	8 mm	9.5 mm	10 mm	12 mm						
Please specify in mm												
Stem Diameter												
1U 6 mm		2M 6.35 mm		2C 8 mm (Standard)		2I 9.5 mm		2J 10 mm		2K 12 mm		XX
Range										XXXX		
T100 10 to 100°C		T250 50 to 250°C										
T160 20 to 160°C		T400 50 to 400°C										
Type										XX		
A1 With rigid stem		A2 With capillary										
Capillary Length (Max up to 5 Mtrs.)										3 mtr		
In meters (e.g. 1.5 = 1.5 Meters 2.0 = 2 Meters)												
Capillary Material										XX		
PE AISI 304 SS		PG AISI 316 SS										
Capillary Covered with Armour (Applicable with PE or PG if selected)										XX		
PF AISI 304 SS		PH AISI 316 SS		PI PVC (Ambient Temp. Max. 60°C)								
Type of Micro Switch										XX		
1S 1 SPDT		2S 2 SPDT										
Differential										X		
F Fixed (Standard)												
Micro Switch Rating										XXX		
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								
Options										XX		
PW Calibration certificate*		PU Calibration certificate traceable to national / international standards*										
SX SS Tag plate		WM Wall mounting bracket										
GH Material test certificates***		PM 2" Pipe mounting										

\* Only for set point.

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

For others, please consult factory.

**Ordering Example:** ZTD . X . XXX . XX . 100mm . XX . XXXX . XX . 3 Mtr . XX . XX . XX . X . XXX . XX

**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