

## FEATURES

- Inert gas filled expansion
- Various type of Microswitches
- Flameproof EEx IIA, IIB, IIC
- Ingress Protection IP 65

## APPLICATION

- Marine applications
- Textile machineries
- Power & steel plants
- Furnace applications
- Oil & Gas, Refineries
- Petro-chemicals & Fertilizers
- Cement & Glass industries
- Railway engines & Turbines

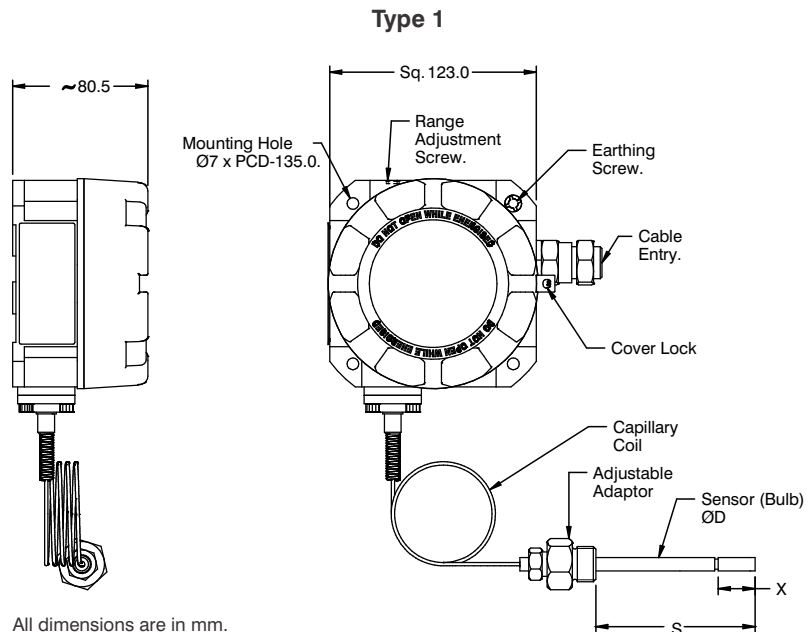
### High accuracy & repeatability



### STANDARD SPECIFICATIONS

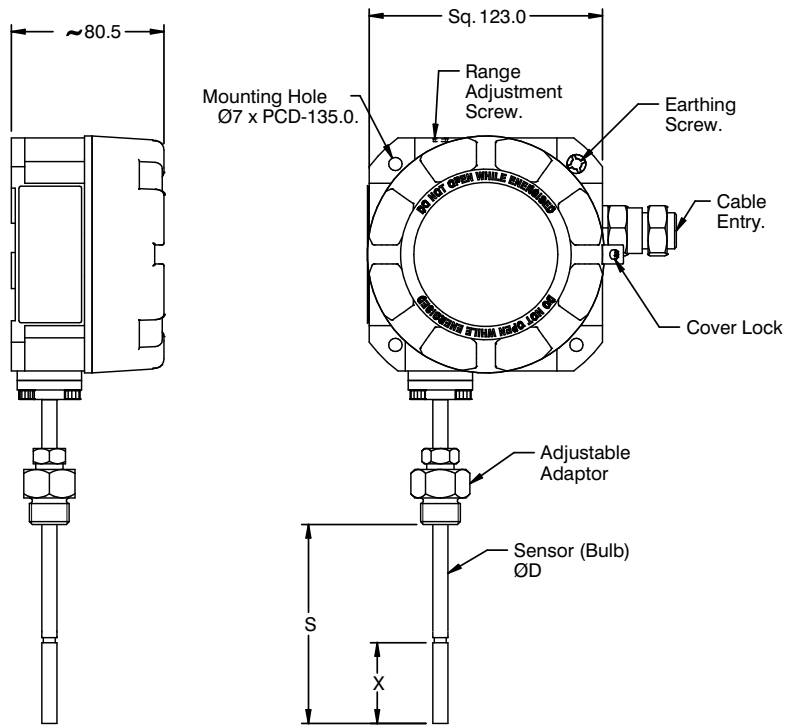
Repeatability	: ± 2 % F.S
Scale accuracy	: ± 5% F.S
Measurement unit	: °C
Range	: Refer "Range Table"
Range adjustment	: External
Differential	: Fixed (Standard), Adjustable (Optional)
Mounting	: Bottom / Panel
Enclosure material	: Aluminum pressure die cast
Sensor	: Inert gas filled bulb
Switch	: 1 SPDT Snap action micro switch
Switch rating	: 15A,250 VAC / 0.2A,24 VDC (Standard)
Process connection	: ½" NPT (M), Adjustable
Maximum temperature limit	: 130% of FS
Ambient temperature	: -10...60 °C
Cable entry	: ½" NPT Double compression, in brass
Set point	: Between 20 to 80 % F.S for better performance
High voltage strength	: 0.5 to 0.6 KV between open contacts and 2 K V between contact and body

### DIMENSIONAL DRAWING



DIMENSIONAL DRAWING

Type 2



All dimensions are in mm.

MICROSWITCH SPECIFICATION

DESCRIPTION	RATING	RATING	DIFFERENTIAL	TYPE	SWITCH CODE	
	AC	DC			1 No.	2 Nos.
Low deadband / differential	15A/250V, 2A/24V 0.2A/220V	15A/250V, 2A/24V 0.2A/220V	Fix	SPDT	M10	M20
High dead band / differential	15A/250V, 6A/24V 0.25A/220V	15A/250V, 5A/24V 0.03A/220V	Fix / Adjustable	SPDT	M11	M21
Gold plated switch	1A/250V	0.5A/28V	Fix	SPDT	M13	M23
Environmentally sealed silver contact	5A/28V	-	Fix	SPDT	M14	M24
Hermetically sealed silver contact	3A/28V	2A/24V	Fix	SPDT	M16	M26
Hermetically sealed gold contact	1A/125V	-	Fix	SPDT	M17	M27
High DC rating	10A/125V	6A/125V	Fix / Adjustable	SPDT	M18	M28
DPDT	10A/125V, 0.2A/250V	-	Fix / Adjustable	DPDT	M08	-

## ORDERING CODES

<b>1. RANGE</b>		<b>C16</b>	<b>9. CAPILLARY</b>	
XXX Refer "Range Table"			OU AISI 304SS	XX
			OV AISI 316 SS	
<b>2. STEM MATERIAL</b>		<b>MF</b>	<b>10. ARMOUR</b>	
MF AISI 316 SS				XX
<b>3. SET POINT</b>		<b>S8</b>	OX AISI 304SS	
S8 On Raising			OY AISI 316 SS	
S9 On Falling			OZ PVC (Ambient max. 60°C)	
<b>4. MICROSWITCH TYPE</b>		<b>M10</b>	<b>11. REMOTE MOUNTING LENGTH</b>	
XXX Refer "Microswitch Specification"			XXXX 250 mm up to 6,000 mm	XXXX
<b>5. CABLE ENTRY</b>		<b>C0</b>	<b>12. PROCESS CONNECTION</b>	
C0 3/4" ET (F)				14N
C1 1/2" NPT (F)			13B 3/8" BSP (M) <sup>4</sup>	
			14B 1/2" BSP (M)	
			14N 1/2" NPT (M)	
<b>6. STEM DIAMETER</b>		<b>M60</b>	<b>13. OTHER OPTIONS</b>	
M60 6.0 mm				XX
I14 1/4" (6.35 mm)			TB Calibration Certificate	
M80 8.0 mm			XF AISI 304 SS tag plate	
M95 9.5 mm			XV Wall mounting bracket	
M10 10 mm			XS Mounting bracket with 2" U-clamp	
M12 12 mm			TC Material test certificate 3.1	
<b>7. STEM LENGTH</b>		<b>300</b>	KK Cable gland, double compression flameproof, Ni-plated brass	
XXXX Up to 600 mm (Confirm factory before ordering)			KL Cable gland, double compression flameproof, AISI 304 SS	
<b>8. ASSEMBLY</b>		<b>B8</b>		
B8 Direct (Stem type)				
B9 Remote (Capillary type)				

**Ordering Example : T705-C16-MF-S8-M10-C0-M60-300-B8-XX-XX-XXXX-14N**

## RANGE TABLE

CODE	RANGE " °C "
C13	5...50
C16	10...100
C20	20...200
C22	50...300
C23	100...400

## COMPATIBLE ACCESSORIES

W101	: Fabricated threaded thermowell
W102	: Bar-stock threaded thermowell
W103	: Fabricated flanged thermowell
W104	: Bar-stock flanged thermowell

## NOTES

1. Except "Standard" connection, other connections are given through adaptors.
2. The option "TC" covers only wetted parts.
3. Cable gland is available in other materials, contact factory.
4. 3/8" connections are available up to 10 mm stem diameter only.