

FEATURES

- Inert gas filled expansion
- Various type of Microswitches
- Flameproof EEx IIA, IIB, IIC
- Ingress Protection IP 67

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

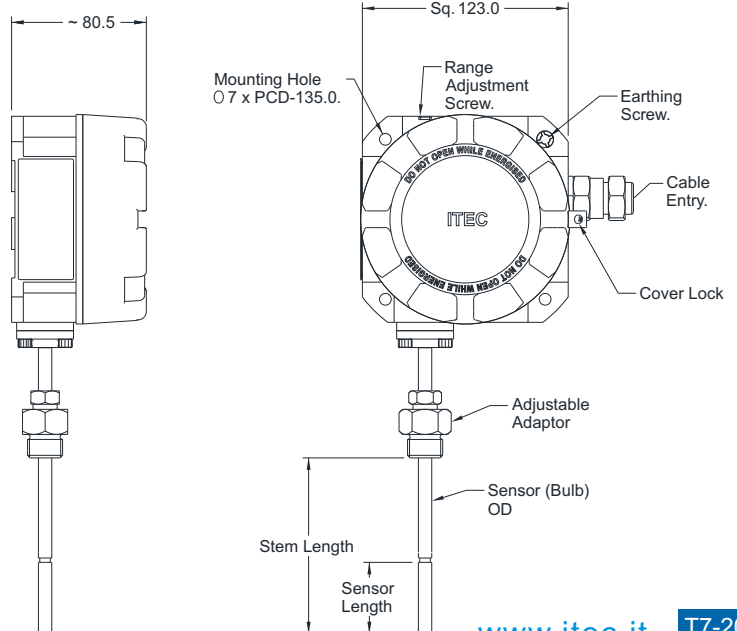


STANDARD SPECIFICATIONS

Repeatability	: ± 2 % F.S
Scale accuracy	: ± 5% F.S
Measurement unit	: °C / °F
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	: 1/2" NPT (M), Adjustable
Maximum temperature limit	: 110% of FS
Ambient temperature	: -10...60 °C
Cable entry	: 1/2" NPT Flameproof 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

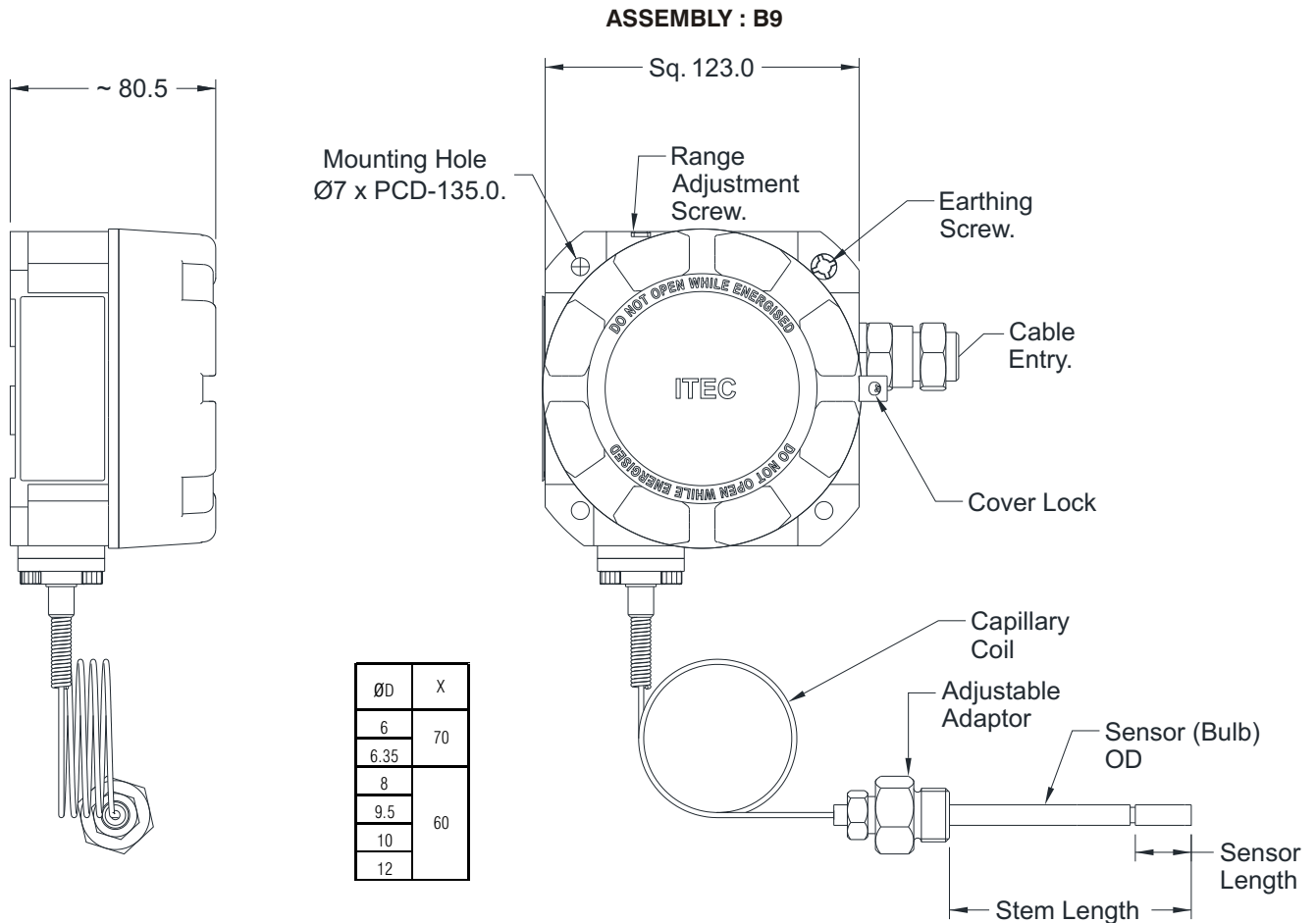
ASSEMBLY : B8



ØD	X
6	70
6.35	60
8	
9.5	
10	
12	

All dimensions are in mm.

DIMENSIONAL DRAWING



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	Adjustable	SPDT	M11	-
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	-
Hermetically sealed gold contact	1A/125V	-	Fix	SPDT	M17	-
DPDT	10A/125V, 0.2A/250V	-	Fix	DPDT	M08	-

ORDERING CODES

1. RANGE		C16	9. CAPILLARY	
XXX Refer "Range Table"			OU AISI 304SS	XX
			OV AISI 316 SS	
2. STEM MATERIAL		MF	10. ARMOUR	
MF AISI 316 SS			OX AISI 304SS	XX
			OY AISI 316 SS	
3. SET POINT		S8	OZ PVC (Ambient max. 60°C)	
S8 On Raising				
S9 On Falling				
4. MICROSWITCH TYPE		M10	11. REMOTE MOUNTING LENGTH	
XXX Refer "Microswitch Specification"			XXXX 250 mm up to 5,000 mm	XXXX
5. CABLE ENTRY		C0	12. PROCESS CONNECTION	
C0 3/4" ET (F)			13B 3/8" BSP (M) ⁴	14N
C1 1/2" NPT (F)			14B 1/2" BSP (M)	
			14N 1/2" NPT (M)	
6. STEM DIAMETER		M60	13. OTHER OPTIONS	
M60 6.0 mm			TB Calibration Certificate	XX
I14 1/4" (6.35 mm)			XF AISI 304 SS tag plate	
M80 8.0 mm			XV Wall mounting bracket	
M95 9.5 mm			XS Mounting bracket with 2" U-clamp	
M10 10 mm			TC Material test certificate 3.1	
M12 12 mm			KK Cable gland, double compression flameproof, Ni-plated brass	
7. STEM LENGTH		300	KL Cable gland, double compression flameproof, AISI 304 SS	
XXXX Up to 600 mm (Above 600 mm consult factory before ordering)				
8. ASSEMBLY		B8		
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 "
C02	-20...50
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.