

## FEATURES

- Inert gas filled expansion
- Various type of Microswitches
- Weatherproof IP67

## 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 type

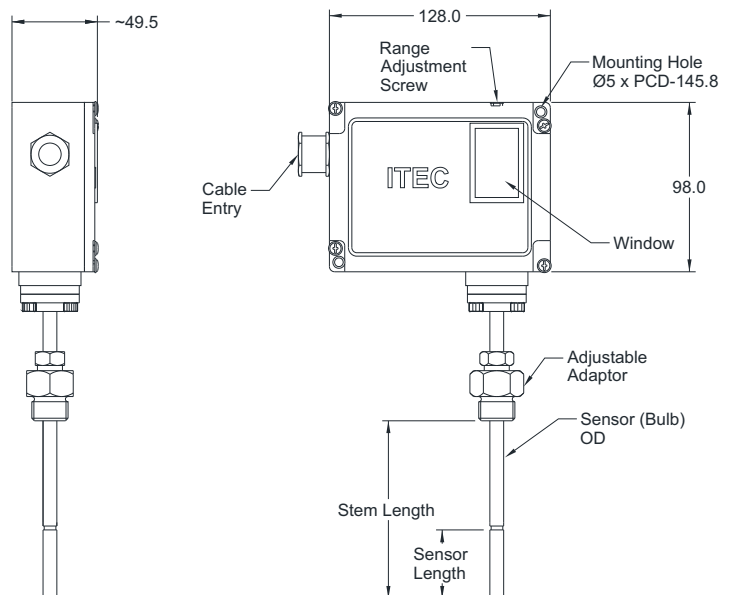


### STANDARD SPECIFICATIONS

Repeatability	: ± 2 % F.S
Scale accuracy	: ± 5% F.S
Measurement unit	: °C / °F
Range	: Refer "Range Table"
Range adjustment	: External (Standard), Internal (Optional)
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)
Stem diameter	: 6.0 mm
Stem length	: 300 mm
Process connection	: ½" NPT (M), Adjustable
Maximum temperature limit	: 110% of FS
Ambient temperature	: -10...60 °C
Cable entry	: PG.13.5 mm
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 KV between contact and body

### DIMENSIONAL DRAWING

#### ASSEMBLY : B8

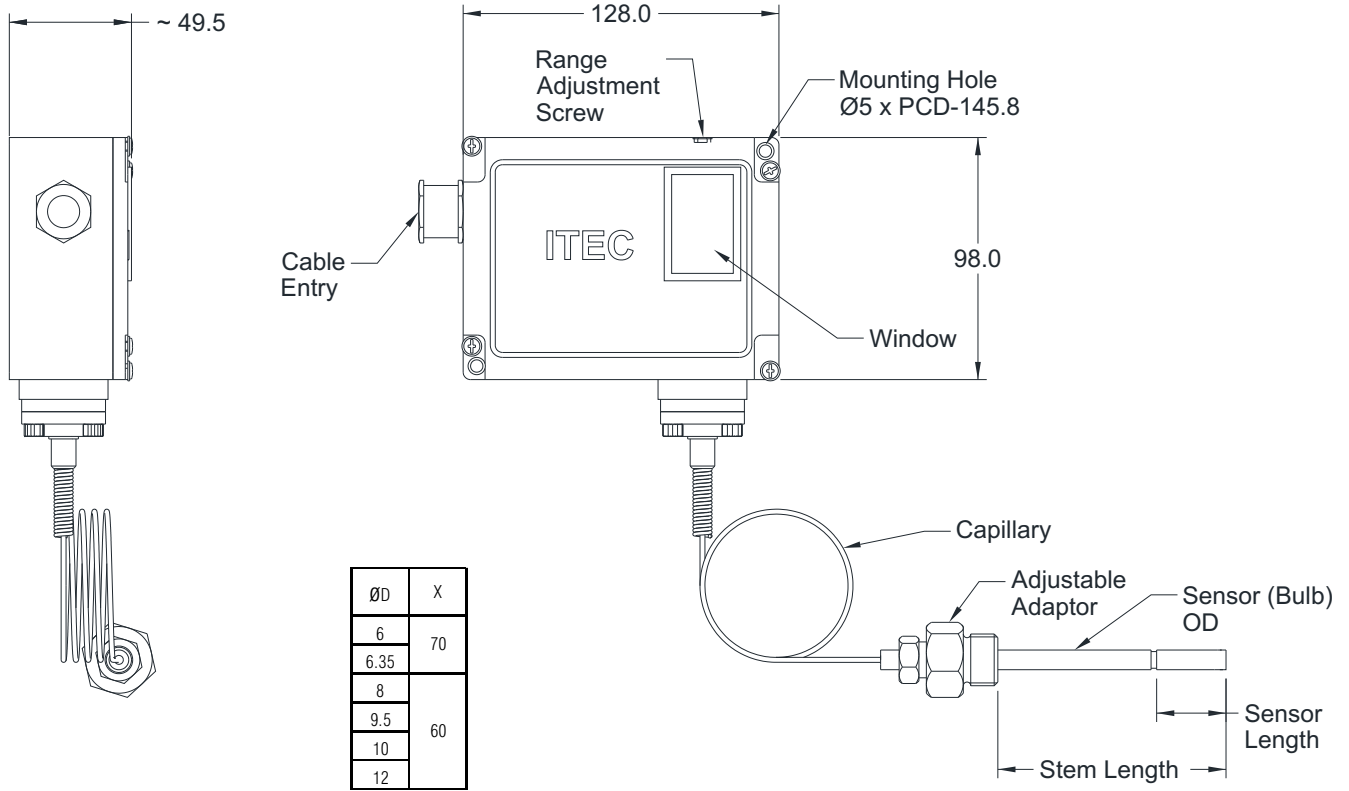


ØD	X
6	70
6.35	60
8	
9.5	
10	
12	

All dimensions are in mm.

## DIMENSIONAL DRAWING

### ASSEMBLY : B9



All dimensions are in mm.

## MICROSWITCH SPECIFICATION

DESCRIPTION	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

<b>1. RANGE</b>		<b>C16</b>	<b>8. ASSEMBLY</b>	
XXX Refer "Range Table"			B8 Direct (Stem type)	<b>B8</b>
			B9 Remote (Capillary type)	
<b>2. STEM MATERIAL</b>		<b>MF</b>	<b>9. CAPILLARY</b>	
MF AISI 316 SS			OU AISI 304SS	<b>XX</b>
			OV AISI 316 SS	
<b>3. SET POINT</b>		<b>S8</b>	<b>10. ARMOUR</b>	
S8 On Raising			OX AISI 304SS	<b>XX</b>
S9 On Falling			OY AISI 316 SS	
			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 5,000 mm	<b>XXXX</b>
<b>5. CABLE ENTRY</b>		<b>J8</b>	<b>12. PROCESS CONNECTION</b>	
J8 PG 13.5			13B 3/8" BSP (M) <sup>4</sup>	<b>14N</b>
C0 3/4" ET (F)			14B 1/2" BSP (M)	
C1 1/2" NPT (F)			14N 1/2" NPT (M)	
C4 4 Pin Connector			<b>13. OTHER OPTIONS</b>	
C7 7 Pin Connector			TB Calibration Certificate	<b>XX</b>
<b>6. STEM DIAMETER</b>		<b>M60</b>	XF AISI 304 SS tag plate	
M60 6.0 mm			XV Wall mounting bracket	
I14 1/4" (6.35 mm)			XS Mounting bracket with 2" U-clamp	
M80 8.0 mm			TC Material test certificate 3.1	
M95 9.5 mm			KE Cable gland, double compression weatherproof, Ni-plated brass	
M10 10 mm				
M12 12 mm				
<b>7. STEM LENGTH</b>		<b>300</b>		
XXXX Up to 600 mm (Above 600 mm consult factory before ordering)				

**Ordering Example : T704-C16-MF-S8-M10-J8-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.