

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

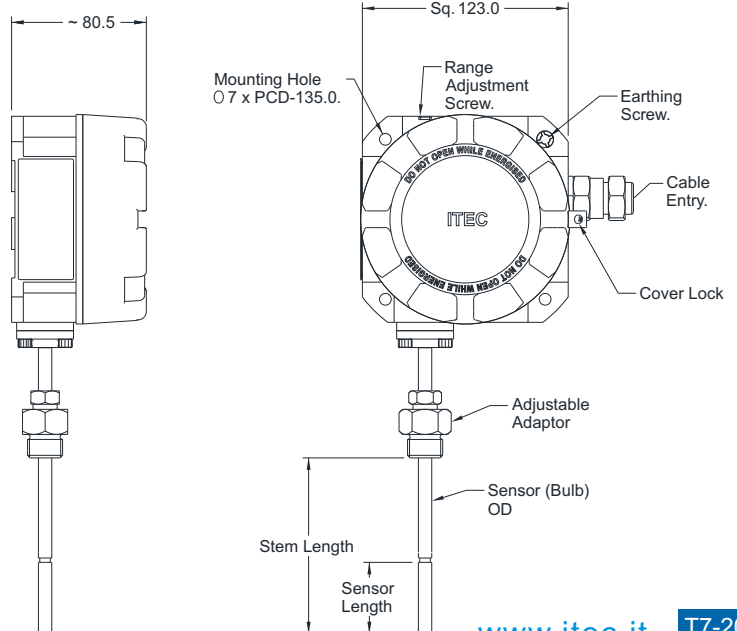


STANDARD SPECIFICATIONS

| | |
|---------------------------|--|
| 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

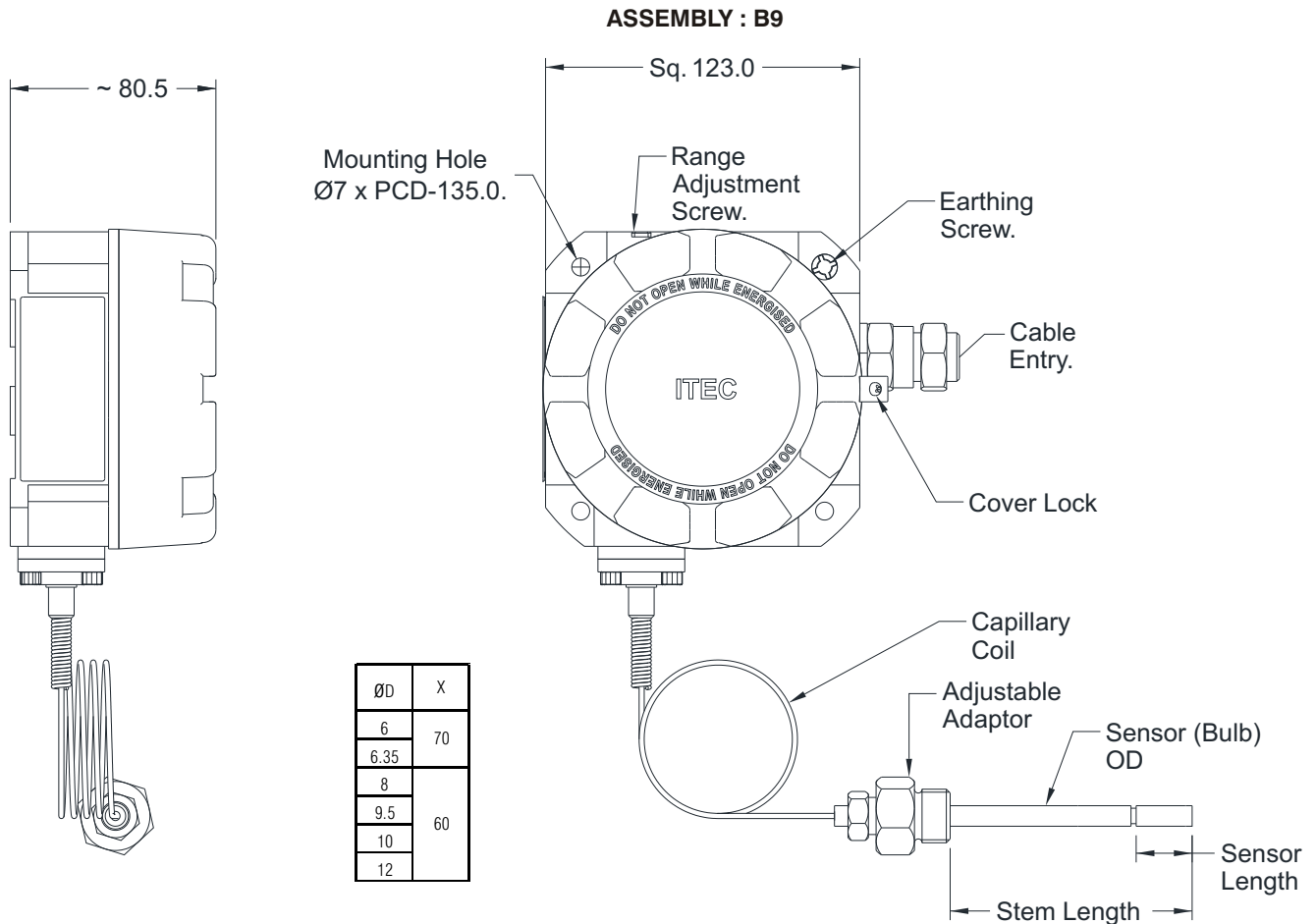
ASSEMBLY : B8



| ØD | X |
|------|----|
| 6 | 70 |
| 6.35 | |
| 8 | 60 |
| 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.