

## FEATURES

- Fix / adjustable differential
- Field adjustable set point
- Weatherproof to IP 67
- Internal set point lock
- Rigid construction
- Scale provided

## APPLICATION

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

### High Pressure



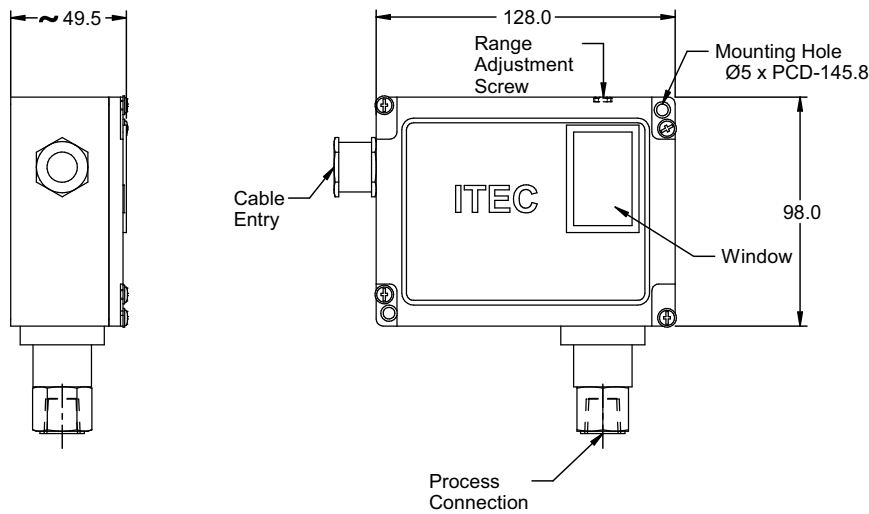
### STANDARD SPECIFICATIONS

Repeatability	:	± 1 % F.S
Scale accuracy	:	± 3% F.S
Measurement unit	:	bar
Range	:	Refer "Range Table"
Range adjustment	:	External
Differential	:	Fixed (Standard), Adjustable (Optional)
Mounting	:	Bottom / Panel
Enclosure material	:	Aluminum pressure die cast
Sensing elements	:	SS 316 Piston
Switch	:	1 SPDT Snap action micro switch
Switch rating	:	15A,250 VAC / 0.2A,24 VDC (Standard)
Process connection	:	1/4"BSP(F)
Maximum process temperature	:	150 °C
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 K V between contact and body

### RANGE TABLE

CODE	RANGE
	"bar"
B19	10...100
B21	20...160
B24	25...250

## 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	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>B19</b>	<b>9. PROCESS CONNECTION</b>	<b>02B</b>
Refer "Range Table"		<b>02B</b> 1/4" BSP (F)	
<b>2. CHAMBER MATERIAL</b>	<b>NF</b>	<b>12B</b> 1/4" BSP (M)	
<b>NF</b> AISI 316 SS		<b>13B</b> 3/8" BSP (M)	
<b>3. SENSING ELEMENT MATERIAL</b>	<b>MF</b>	<b>14B</b> 1/2" BSP (M)	
<b>MF</b> AISI 316 SS		<b>02N</b> 1/4" NPT (F)	
<b>5. SWITCHING DIFFERENTIAL</b>	<b>S4</b>	<b>12N</b> 1/4" NPT (M)	
<b>S4</b> Fixed, 2...5%		<b>14N</b> 1/2" NPT (M)	
<b>S5</b> Adjustable, 5...12.5%		<b>04N</b> 1/2" NPT (F)	
<b>6. SET POINT</b>	<b>S8</b>	<b>A25</b> 1.5" RF 150#	
<b>S8</b> On Raising		<b>A26</b> 1.5" RF 300#	
<b>S9</b> On Falling		<b>A27</b> 1.5" RF 600#	
<b>7. MICROSWITCH TYPE</b>	<b>M10</b>	<b>A31</b> 2" RF 150#	
Refer "Microswitch Specification"		<b>A32</b> 2" RF 300#	
<b>8. CABLE ENTRY</b>	<b>J8</b>	<b>A33</b> 2" RF 600#	
<b>J8</b> PG 13.5 cable entry		<b>10. OTHER OPTIONS</b>	<b>XX</b>
<b>J9</b> DIN connector		<b>TB</b> Calibration Certificate	
<b>C0</b> 3/4" ET (F)		<b>XF</b> AISI 304 SS tag plate	
<b>C1</b> 1/2" NPT (F)		<b>XV</b> Wall mounting bracket	
<b>C4</b> 4 Pin Connector		<b>XS</b> Mounting bracket with 2" U-clamp	
<b>C7</b> 7 Pin Connector		<b>TC</b> Material test certificate 3.1	
		<b>KE</b> Cable gland, double compression weatherproof, Ni-plated brass	

Ordering Example : S203-B19-NF-MF-S4-S8-M10-J8-02B

## COMPATIBLE ACCESSORIES

Diaphragm seal	Gauge cock	Needle Valves
Cooling tower	Snubber	Manifolds
Siphon		

### 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.