

### APPLICATIONS

- Marine applications
- Textile machineries
- Power & steel plants
- Furnace applications
- Oil & Gas, Refineries

### FEATURES

- Fix / adjustable differential
- Field adjustable set point
- Weatherproof to IP 68
- Internal set point lock

## DESCRIPTION

### General

**Design** : BS 6134

**Sensing element** : Diaphragm

**Repeatability** :  $\pm 0.5$  % Full Scale

**Scale accuracy** :  $\pm 1$  % Full Scale

**Mounting** : Bottom / Panel

**Enclosure / equipment rating** : IP 68

**Maximum process temperature** : 150 °C

**Ambient temperature** : -10...60 °C

**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

### Material of construction

**Enclosure** : Die-cast aluminum

**Top chamber** : ASTM A105 - Ni plated, AISI 304 SS

**Sensing element** : AIS 316 SS / Monel /  
Hastelloy - C276

**Bottom chamber** : AISI 316 SS



### WEATHERPROOF OEM PRESSURE SWITCH -TMC48

### Standard Version

**Range** : As per the selection table

**Set point adjustment** : External  
(Field adjustable Internal)

**Differential** : Fixed (Standard - 2...5%),

**Switch** : 1 SPDT Snap action micro switch

**Switch rating** : 15A,250 VAC / 2A,24 VDC (Standard)

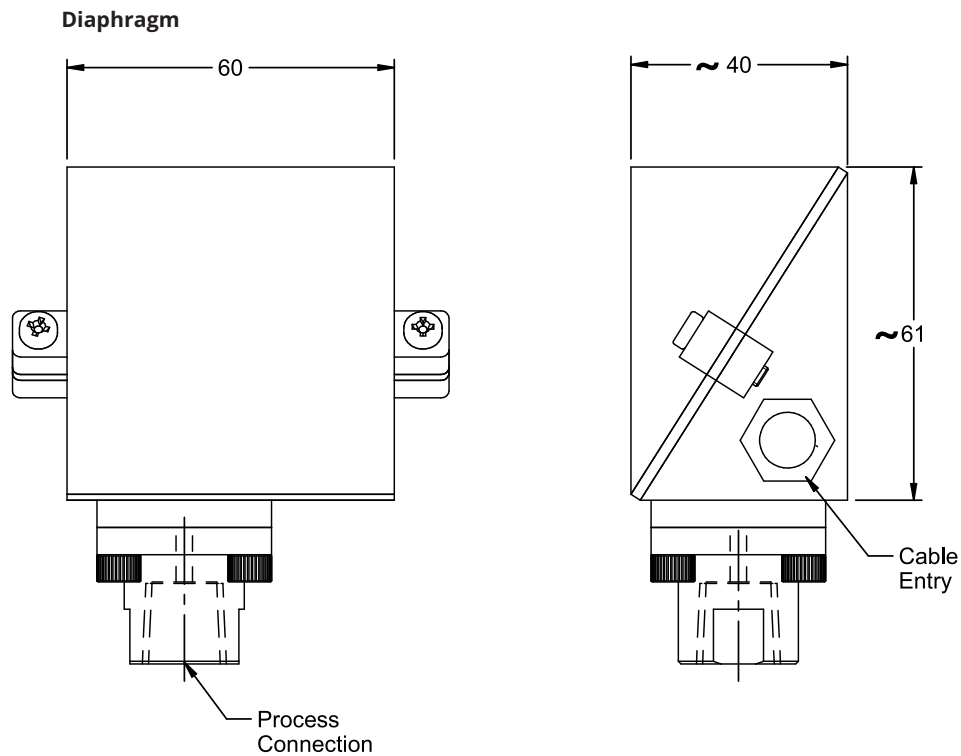
**Process connection** : 1/4" BSP (F) / 1/4" NPT (F)

**Cable entry** : PG 7, single compression

### Range Table

| CODE | RANGE   |
|------|---------|
|      | "bar"   |
| 001  | -1...0  |
| 102  | -1...+2 |
| 104  | -1...+4 |
| 202  | 0.2...2 |
| 404  | 0.4...4 |
| 606  | 0.6...6 |
| 110  | 1...10  |
| 116  | 1...16  |
| 225  | 2...25  |
| 232  | 2...32  |
| 440  | 4...40  |
| 565  | 5...60  |

## DIMENSIONAL DRAWING



### NOTES

1. Drawing not to scale. All dimensions are in mm.

## ORDERING CODES

### MODEL

**TMC48** Weatherproof OEM Pressure Switch,

**TMC48**

### RANGE

**XXX** As per range table

**110**

### DIAPHRAGM

**S02** AISI 316 SS

**S02**

### BOTTOM CHAMBER

**S02** AISI 316 SS

**S02**

### SET-POINT ADJUSTMENT

**E63** Internal

**E63**

### CALIBRATION

**E70** Falling pressure

**E80** Rising pressure

**E80**

### PROCESS CONNECTION

**P23** 1/4" BSP (F)  
**P7** 1/2" BSP (M)

**P3** 1/4" BSP (M)  
**P24** 1/4" NPT (F)

**P5** 3/8" BSP (M)  
**P4** 1/4" NPT (M)

**P24**

### OTHER OPTIONS

**E16** Calibration Certificate  
**E66** 2" Pipe mounting bracket & clamp

**E27** AISI 304 SS tag plate

**E65** Wall mounting bracket  
**E17** Material test certificate 3.1

**E16/E27**

**Ordering Example : TMC48.110.S02.S02.E64.E80.N11A.1.Q1.P24/E16/E27**



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