

MICRO Pressure Switches are housed in Pressure Die Cast aluminium powder coated enclosure and are recommended for fixed, adjustable & ΔP differential operation and controlling services

Series :

- Fixed Differential : MFD
- Adjustable Differential : MAD
- Differential (ΔP) Fixed : MDS
- Miniature Switch : MMS

**FIXED / ADJUSTABLE
(ON - OFF) & ΔP**

PRESSURE SWITCHES



Technical Specifications: (Confirming to BS-6134)

- **Enclosure :**
Aluminium Die Cast Weatherproof to IP-68
Aluminium Die Cast Flameproof to Group IIA, IIB & IIC & Weatherproof to IP-67
SS 304 Body for MMS Series
- **Sensing Element :**
Diaphragm Sealed (Up to 40 bars) /
Piston Type above 60 bars
- **Wetted Parts :**
SS 304 / SS 316 / SS 316L
- **Repeatability :**
 $\pm 0.5\%$ of Full Span
- **Scale Accuracy :**
 $\pm 3\%$ of Full Span
- **Micro Switch :**
1 SPDT Snap Action or 2 SPDT on Request
1 SPST for MMS Series
- **Switch Rating :**
15 Amp, 250 VAC or 0.2 Amp, 220 V DC / varies based on selection of micro switch
5 Amp, 250 VAC for MMS Series
- **Pressure Range :**
MFD Series : Vacuum, 20 mbar to 600 mbar & 1 bar to 600 bar
MAD Series : Vacuum & 1 bar to 40 bar
MDS Series : 20 mbar to 600 mbar & 1 bar to 25 bar
MMS Series : 1 bar to 250 bar
- **Set Point :**
Between 20% to 80% of FS for better performance externally / internally adjustable with locking system
For MMS Series, preset at factory as per client requirement
- **Over Range Protection :**
150% of full span
- **Mounting :**
Bottom / Panel / 2" Pipe Mounting
- **Differential :**
Fixed : MFD / MMS / MDS Series
Adjustable : MAD Series
- **Process Connection :**
1/4" NPT (Female) (Standard)
1/4" / 3/8" / 1/2" BSP / NPT / BSPT /
M20 X 1.5 (Male through adopters), Others on request
- **Cable entry :**
PG 13.5 (Standard) / DIN Connector / 1/2" NPT (F) / 3/4" ET / Others on Request
- **Maximum temperature :**
150° C / 300° F
- **High Voltage Strength :**
0.5 to 0.6 KV between open contact /
2 KV between contact & body
- **Insulation resistance :**
> 10 M Ω at 500 V
- **Process Media :**
Air, Water, Oil, etc ...
- **Optional Available features :**
 - Diaphragm Seal unit suitable to process medium with or without Capillary
 - Client Specific dead band
 - 1 Feet 3 core cable for MMS Series
 - Single / Double Compression Gland (Weather / Flame Proof)

APPLICATION

- Power Generation & Distribution
- Textile
- Boiler
- Furnace
- Railway
- Steel plant
- Fertilizer unit
- Pulp & Paper Industries
- Pharmaceutical plants
- Food & Beverage industries
- Cement Industries etc.