

“MICRO” Pressure switches are housed in Pressure Die Cast aluminium powder coated enclosure & are recommended for fixed, adjustable & ΔP differential operation & control the service.

Technical Specifications:-

Enclosure:

Aluminium Die Cast Weatherproof to IP-66 / Ex-proof

Sensing element:

Diaphragm Sealed (up to 40 bars) / Piston type above 60 bars

Wetted parts:

S. S. 304 / S. S. 316

Repeatability:

$\pm 1\%$ of full span

Scale accuracy:

$\pm 3\%$ of full span

Micro switch:

1 SPDT Snap Action or 2 SPDT on request

Switch rating:

15 Amp, 250 V AC or 0.2 Amp, 220 V DC / Varies based on selection of micro switch

Pressure range:

Vacuum, 20 mbar to 600 mbar & 1 bar to 600 bars (For MFD Series)

Vacuum & 1 bar to 40 bar (For MAD Series)

20 mbar to 600 mbar & 1 bar to 25 bars (For MDS Series)

Set point:

Between 20 to 80% for better performance

Over protection

150% of full span

Mounting

Bottom, Panel, 2" Pipe mounting

Differential

Fixed (For MFD Series)

Adjustable (For MAD Series)

ΔP fixed (For MDS Series)

Process connection:

1/4" NPT (F)

Set point adjustment

External with locking system

Cable entry:

PG 13.5 mm Standard / DIN Connector or other optional

Maximum process temperature:

150°C / 300°F



Conformity to:

BS 6134 Standard.

High voltage strength:

0.5 to 0.6 KV between open contact / 2 KV between contact & body

Insulation resistance:

>10 M ohms at 500 V

Process media:

Air, Water, Oil, etc ...

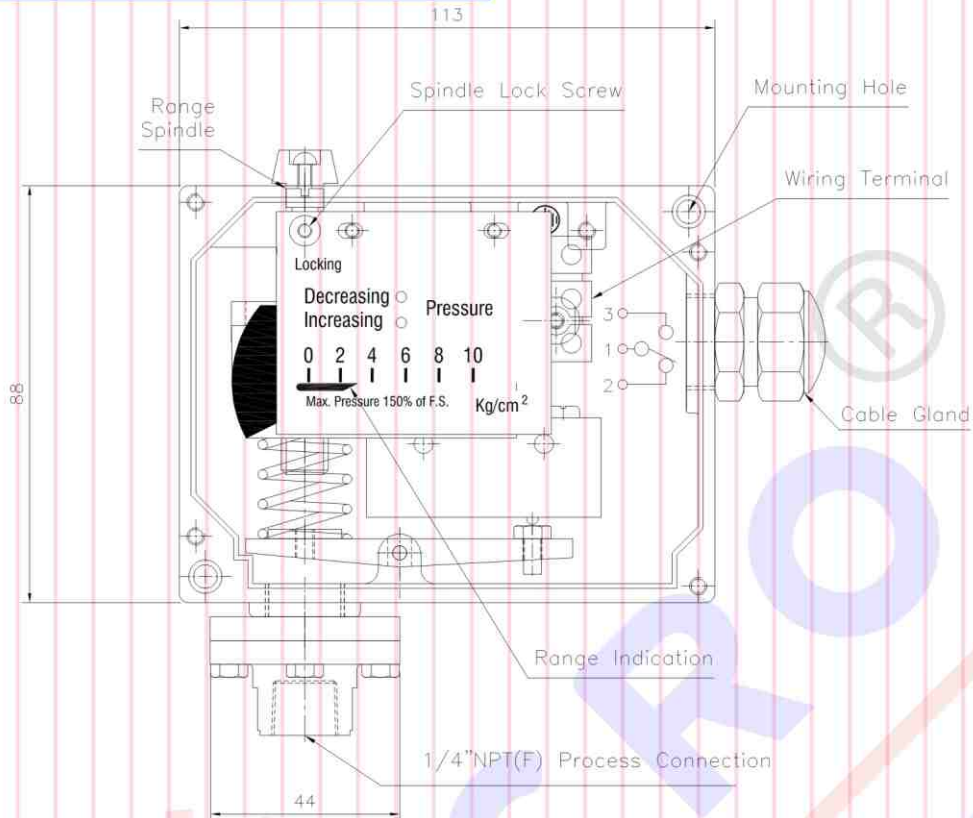
Features:

Weatherproof
Set point locking
High repeatability & accuracy
Choice of wetted parts
Choice of electrical entry

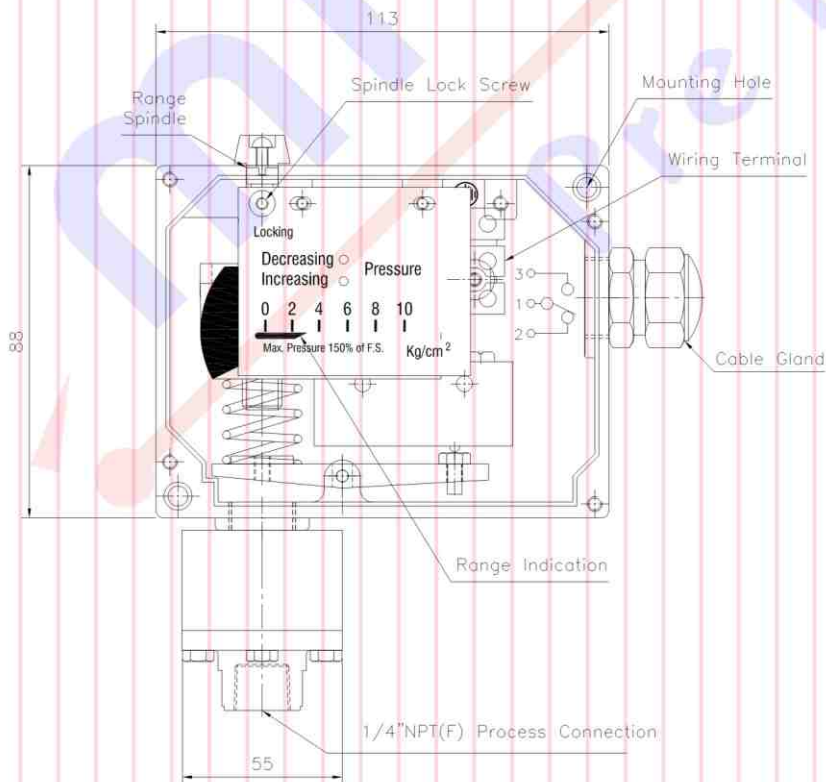
Application:

Textile / Boiler / Furnace / Railway / Steel / Fertilizer / Pulp & Paper / Power Generation & Distribution / Pharma / Food & Beverages / Cement industries, etc ...

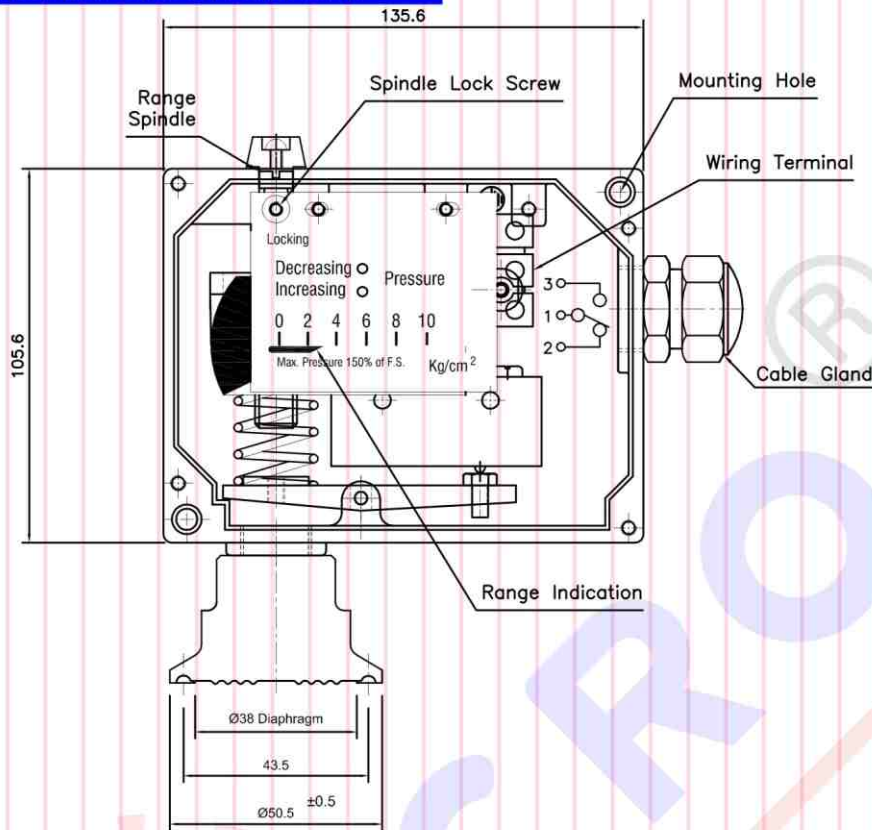
Fix & Adjustable Differential Pressure Switch



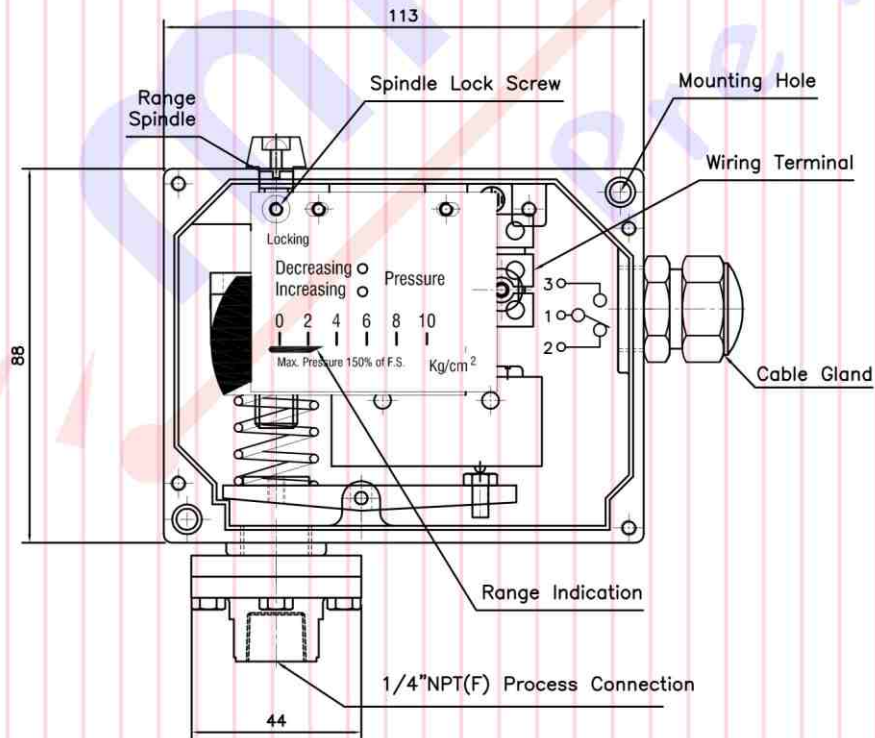
Differential Pressure Switch



Pressure Switch with Triclover Connection



Pressure Switch with Flange Connection



Model De-Codification

1.	Basic Model (Series) -		XXX				
	MFD	Micro Fixed Differential Pressure Switch					
	MAD	Micro Adjustable Differential Pressure Switch					
2.	Enclosure -		XX				
	WP	Weatherproof (Standard)					
3.	Wetted Parts -		XX				
	FP	Flameproof					
3.	S4	SS 304 (Standard)	XX				
	S6	SS 316					
	SL	SS 316 L					
4.	Type of Micro Switch -		XX				
	1S	1 SPDT (Standard)					
	2S	2 SPDT					
4.	1D	1 DPDT	XX				
	Micro Switch Rating -						
5.	Switch Code	Description	AC Rating	AC Rating Resistive	DC Rating Inductive	XXX	
	GPL	Low Dead Band	15 A, 250 V	2A, 24 V 0.4 A, 110 V 0.2 A, 220 V	2A, 24 V 0.4 A, 110 V 0.2 A, 220 V		
	GPH	High Dead Band	15 A, 250 V	6A, 24 V 0.5 A, 110 V 0.25 A, 220 V	5A, 24 V 0.05 A, 110 V 0.03 A, 220 V		
	GPA	Adjustable Dead Band	15 A, 250 V	-	-		
	ESS	Environmentally Sealed Silver Contacts	15 A, 250 VAC	0.4 A, 125 V	-		
	ESG	Environmentally Sealed Gold Contacts	-	1 A, 28 V	-		
	GPG	Gold Plated Contacts	1 A, 125 V	3A, 28 V	-		
	HSS	Hermetically Sealed Silver Plated Contacts	4 A, 230 V, 1 A, 125 V	-	2 A, 24 V		
	HSG	Hermetically Sealed Gold Plated Contacts	1A, 125 V	10A, 125 V	-		
	HDL	High DC Rating	10 A, 125 V	0.2A, 250V	6 A, 125 V		
	DPD	DPDT Micro Switch	10 A, 125 V		-		
	Note: 2 SPDT Not available in GPA & DPD Switch Code.						
	6.	Calibration -		X			
I		Increasing					
6.	D	Decreasing (Not applicable for Adjustable Differential)					
	7.	Cable Entry -		XX			
PG		PG 13.5 (Standard)					
DN		DIN Connector					
ET		3/4" ET					
2N		1/2" NPT (F)					
4N		3/4" NPT (M)					
OT	Others, Ask Factory						

8. Process Connection -

4NF	1/4" NPT (F) (Standard)
4NM	1/4" NPT (M)
8BM	3/8" BSP (M) Through Adaptor
8NM	3/8" NPT (M) Through Adaptor
2BM	1/2" BSP (M) Through Adaptor
2NM	1/2" NPT (M) Through Adaptor
3BM	3/4" BSP (M) Through Adaptor
3NM	3/4" NPT (M) Through Adaptor
OTH	Others, Please Specify

XXX

9. Ranges -

Range Code	Range	Available in Series	Max. Pressure
VAC	-1 to 0 bar (Vacuum)	MFD, MAD	1.5 Times of Range
101	0.1 to 1.0 bar	MFD, MAD	
202	0.2 to 2.0 bar	MFD, MAD	
225	0.2 to 2.5 bar	MFD, MAD	
204	0.2 to 4.0 bar	MFD, MAD	
406	0.4 to 6.0 bar	MFD, MAD	
010	0.5 to 10.0 bar	MFD, MAD	
016	1 to 16 bar	MFD, MAD	
025	2 to 25 bar	MFD, MAD	
032	2 to 32 bar	MFD, MAD	
040	2 to 40 bar	MFD	
060	5 to 60 bar	MFD	
100	10 to 100 bar	MFD	
160	10 to 160 bar	MFD	
250	10 to 250 bar	MFD	
400	40 to 400 bar	MFD	
600	60 to 600 bar	MFD	
55M	0.5 to 5.0 mbar	MFD	
32M	3 to 20 mbar	MFD	
15M	10 to 50 mbar	MFD	
11M	10 to 100 mbar	MFD	
25M	25 to 250 mbar	MFD	
40M	40 to 400 mbar	MFD	
60M	60 to 600 mbar	MFD	

XXX