

Pressure Switch

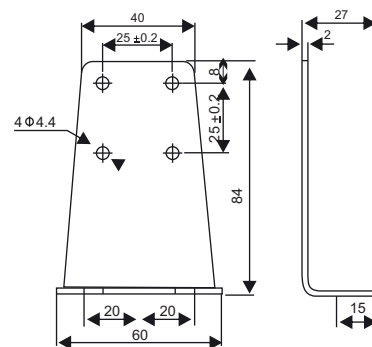
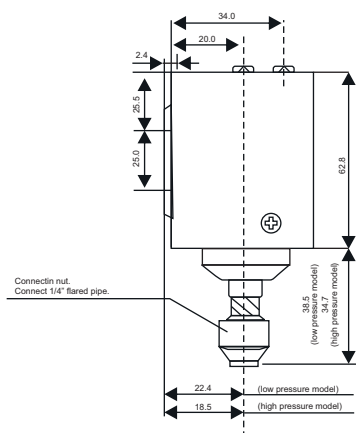
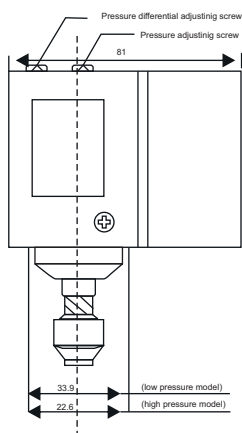
Model: MDPS1

Applications

- Pumps & compressures
- Air or water line
- Hydraulics and pneumatics
- Process industry: power stations,
- food and beverage, offshore oil rigs, pulp and paper, environmental technology, machine building and general plant construction
- used for starting and stopping refrigeration compressors and fans on air-cooled condensers, AC and DC motors

Special features

- 1 years warranty
- Two relays with hysteresis
- Measuring ranges from -1 ... 45 bar
- Adjustable setpoint
- Adjustable hysteresis
- Excellent shock and vibration resistance
- Heavy duty change over switching contact (SPDT)
- Suitable for air, liquids & refrigerants
- Remote connection temperature -20 ... 130°C



Unit: mm

Description

- Sensor Fully welded bellows element
- Case Material ABS
- Process Connection 1/4" NPT, 1/4" G, 7/16"- 20 thread or 1/4 SAE flare
- Electrical contact SPDT micro switch silver plated 10 A @ 250 VAC
72 A of instant inductive load
- Pressure Ranges Positive, negative and compound
- Over Pressure ≤100bar 200% full scale, ≥100bar 150% full scale
- Power Supply 220VAC, 24VDC
- Medium Temperature -20...100°C
- Ambient Temperature -10...50°C
- Mounting Direct, surface- mount with the supplied bracket
- Environ. Protection IP 54

Table 1

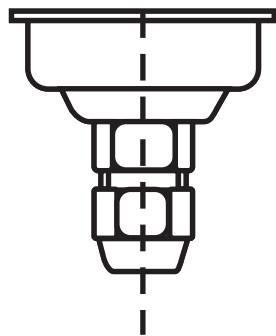
Model	Range (bar)		Differential (bar)		Factory Setting (bar)		Max. Bellows Press. (bar)
	Min.	Max.	Min.	Max.	OFF	ON	
M1	-1.0	0	0.2	0.5	-0.7	-0.5	16.5
M2	-0.5	1	0.2	0.7	0.2(0.5)	0.5(0.2)	
M3	-0.5	2	0.2	0.7	0.5(1)	1(0.5)	
M4	-0.5	3	0.35	1.5	1(2)	2(1)	
M5	-0.5	6	0.6	4	2(3)	3(2)	
M6	-0.5	6	Fixed Value (≤1)		2	Manual Reset	
M7	1	10	1	4	5(6)	6(5)	
M8	5	16	2	5	8(10)	10(8)	
M9	5	20	2	5	14(16)	16(14)	33
M10	5	30	3	10	15(20)	20(15)	
M11	8	30	Fixed Value (3~5)		20	15~17	
M12	8	30	Fixed Value (3~5)		20	Manual Reset	
M13	5	45	5	15	25(30)	30(25)	
							50

For special range, please use the code XX and mention the range in the order

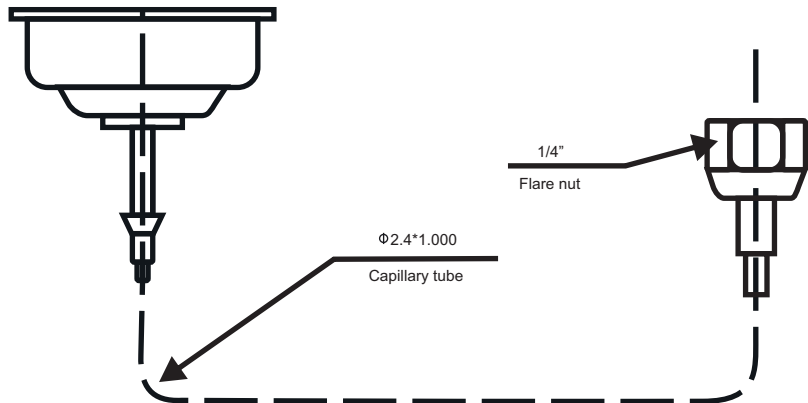
MDPS1 Pressure Transmitter/Switch

ORDERING CODE	Example:	MDPS1	M10	3	B	4	L	CP	Note
Range									
Select a range from the table			M10						
Reset type									
1 - Auto (std.)									
2 - Manual (optional)				2					
Process Connection Type									
T - Bottom									
B - Back					B				
Process Connection Sizes									
2 - 1/4" NPT									
4 - G 1/4"						4			
6 - 3/8" -20 Thread									
8 - 8 - 1/4" SAE Flare									
10 - Customer									
Process Connection Material									
B - Brass									
L - 316L Stainless steel							L		
H - Hastelloy									
C - Customer									
Options									
R - Remote connection (with 1 meter capillary)									
CP - Hydrostatic testing with certificate								CP	
CL - Cleaning for special service									
YW - 316L Stainless steel case									
OS - Overload stop									
CC - Calibration certificate									
NH - Stainless steel tag wired to case									
AT - ATEX									
WA - One year warranty									
NS - NACE MR 0175 & NACE MR 0103 standard									
Other									

Press.Connections



Φ6 Flare nut M12*1.25 Thread
1.4" Flare nut 7/16" - 20UNF Thread





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