

Pressure

Vacuum

Level

Flow

Temperature

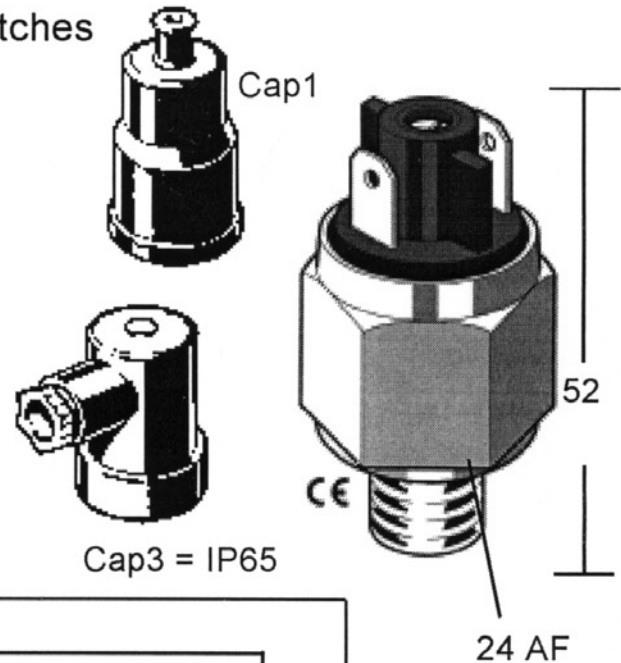
Displays

Miniature pressure switch

PMN

Diaphragm or Piston type pressure switches

- 0,1 to 300 bar ranges
- Over-pressure proof up to 600 bar
- N/O or N/C contacts
- 1/4" push-on terminals (screw optional)
- Gold contacts option
- Choice of body material
- Vacuum switch option see **DataFax 1043**



Example

PMN · 10 N - 1/4P STL -

Model & Adj. Range

Contact Type	
A	Normally Open
C	Normally Closed

Diaphragm/Piston seal	
Nitrile (Std) -5° to +60°C	N
Nitrile -40° to +140°C	T
Viton -5° to +90°C	V
Silicon -30° to +120°C	S
Neoprene -10° to +90°C	O
EPDM -20° to +110°C	E
S/steel PMN 2;10; 20 & 50 ⁽⁴⁾	I

Threads	
1/4 BSP (std)	1/4P
1/8 BSPT	1/8
1/4 BSPT	1/4
M10 x 1	M10
M12 x 1.5	M12
1/8 NPT	18NPT
1/8 BSP	1/8P

Contact option	
Silver (std)	-
Gold	G

Special options	
No special option (std)	-
De-greased ⁽¹⁾	SG
Tested for gas	TG

Body material	
Steel-zinc plated (std)	STL
Brass ⁽²⁾ (max 80bar)	BRS
Stainless steel, 303 ⁽³⁾	303
Stainless steel, 316 ⁽³⁾	316

Model	Adjustment Range	Maximum Pressure ⁽³⁾	Tolerance at room temp.
PMN 1	0.1 - 1 bar	150 bar ⁽²⁾	+/- 0.1 bar
PMN 2	0.15 - 2 bar	300 bar ⁽²⁾	+/- 0.2 bar
PMN 10	2 - 10 bar	300 bar ⁽²⁾	+/- 0.3 bar
PMN 20	10 - 20 bar	300 bar	+/- 0.4 bar
PMN 50	20 - 50 bar	300 bar	+/- 1 bar
PMN 80	50 - 80 bar	300 bar	+/- 2 bar
PMN 150	50 - 150 bar	300 bar	+/- 5 bar
PMN 250	100 - 250 bar	600 bar	+/- 10 bar
PMN 300	50 - 300 bar	600 bar	+/- 15 bar

STANDARD SWITCHES

Diaphragm/Piston seal = Nitrile (NBR)
 Body = Steel, zinc plated
 Thread = 1/4" BSP (parallel)

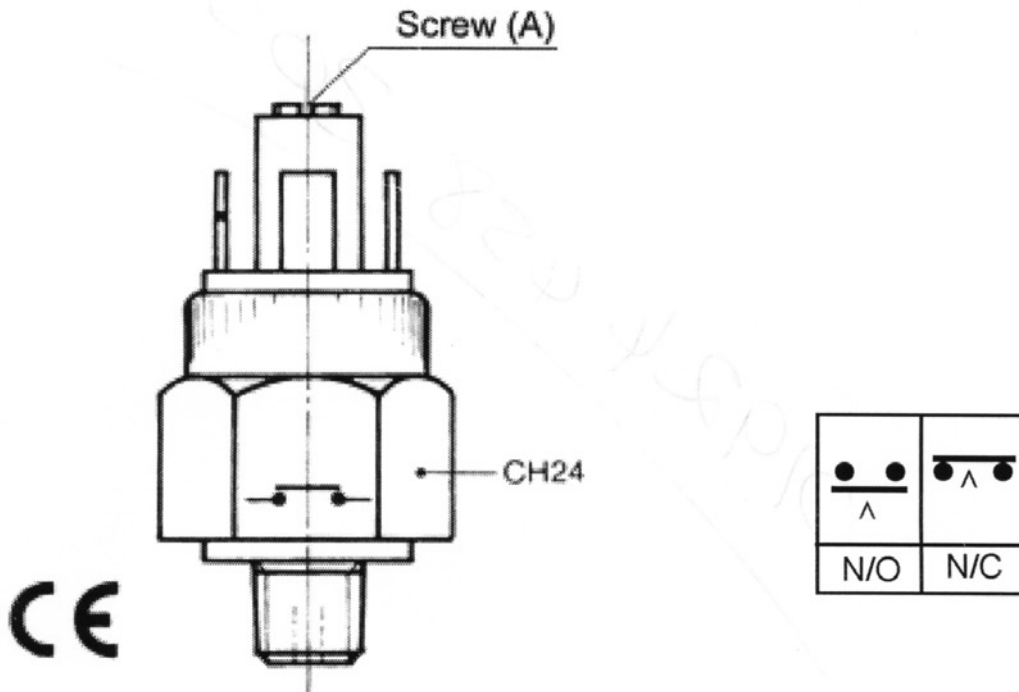
FREEADJUSTMENT

Adjustment is free of charge, please advise Rising and/or Falling pressure.

- (1) De-greased for use with Oxygen up to 200 bar - PMN 1 to PMN 80 only
- (2) Brass maximum pressure = 80 bar
- (3) Contact us for s/steel maximum pressures
- (4) Stainless steel membranes 80 bar max pressure

[Click here for prices](#)

Switch electrical rating	24Vdc/0.5A (res) 0.2A (ind) 48Vdc/ 0.5A (res) 0.2A (ind)	Diaphragm/Piston material	Nitrile (standard) see options
Protection	IP00 (Cap1 or Cap10 = IP54)	Body material	Brass, Steel or S/Steel
Pressure adjustment range	0.1 to 300 bar	Thread	1/4" BSP (standard)
Maximum pressure	Up to 600 bar	Temperature range	See diaphragm/piston spec
		Tightening torque	5 Kgm

Adjustment instructions for models -**PMN****Adjustment instructions using a multimeter connected across the switch terminals**

After connecting the switch to a suitable pressure source....

- 1) Turning the adjustment screw (A) clockwise increases the set-point. Turning screw (A) anticlockwise decreases the set-point.
- 2) Once the set-point has been achieved, operate the switch 3 to 4 times to ensure that the set-point is stable. Repeat step 1) if necessary.
- 3) After adjustment it is advisable to seal the adjustment screw (A) with a small dab of quick drying paint to prevent accidental movement of the screw and for security purposes.

Note

If a multi-meter is not available, a low voltage supply connected across the terminals with a test lamp or buzzer in circuit can be utilised. Maximum permissible switching capacities must be observed - see technical data.

Switch electrical rating	48V/ 0.5A (res) 0.2A (ind)	Diaphragm/Piston material	Nitrile (Standard) see options
Protection	IP00 (Cap 1 or Cap 10 IP54)	Body material	Brass, Steel or S/Steel
Pressure adjustment range	0.1 to 300 bar	Thread	1/4" BSP (Standard)
Maximum pressure	Up to 600 bar	Temperature range	See diaphragm/piston spec
Hysteresis = 10%FS (Std)	Contact us for details	Tightening torque	5 Kgm