

Model 122 "FILTER-MINDER"[®] Piston-Type Differential Pressure Gauge (Five Year Limited Warranty)

- Range: 0-5 PSID thru 0-100 PSID (0.3 bar to 7.0 bar).
- Accuracy $\pm 5\%$ full scale ascending.
- Working pressure 5000 P.S.I.G. (340 bar).
- Over-range protection to rated working pressure.
- Aluminum housing with 316 stainless steel internals.
- Weather-resistant construction standard.
- 2-1/2", 3-1/2" or 4-1/2" round dial.
- Shatter-resistant lens.



2-1/2" Dial

Differential pressure is sensed by the movement of a floating piston magnet against a calibrated spring. The gauge pointer, outside the pressure housing, follows the movement of the piston magnet and indicates differential pressure.

One or two hermetically sealed S.P.S.T. or S.P.D.T. reed switches are optionally available to provide high and/or low alarm or control. They may be adjusted within the set point range identified in the switch rating table. A non-indicating differential switch version of the Model 122 is also available.



Reversed pressure ports are optionally available to facilitate installation.

STANDARDS: All Model 122 Series gauges either conform to and/or are designed to the requirements of the following standards:

ASME B1.20.1	NACE MR0175
ASME B40.1	NEMA Std. No. 250
SAE J514I	UL Std No. 50
EN-61010-1	

Standard Hermetically Sealed Reed Switch Ratings (Resistive Load) (C)

Type	SPST NO	SPST NO	SPDT	SPDT***
Option	B***	E	H	A
*Power	50W	60 W	60W	3W
Max. Current	0.5 Amps	3.0 Amps	1.0 Amps	0.25 Amps
Max. Voltage	240 VAC/240VDC	240 VAC/240 VDC	240 VAC/VDC	125 VAC/VDC
**Setting (F.S.)	10% to 100%	25% to 100%	25% to 100%	10% to 100%
Hysteresis (Max/Nom)	10% / 2% Full Scale (F.S.)	15% / 8% Full Scale (F.S.)	20% / 13% Full Scale (F.S.)	10% / 5% Full Scale (F.S.)
Repeatability	1% F.S.	1% F.S.	1% F.S.	1% F.S.
Leads	(2) 22 Awg, 24"	(2) 22 Awg, 24"	(3) 22 Awg, 24"	(3) 22 Awg, 25"

*Product of switching voltage and current shall not exceed the power rating of the device.

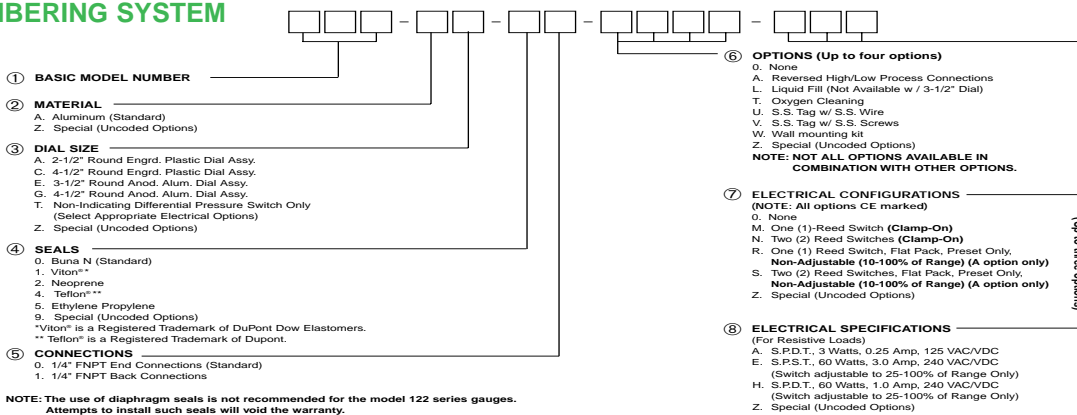
**Except where otherwise noted.

*** B option is available, however is not identified in Electrical Specifications. (Recommend using E)

Reed Switch Power Relay For High Loads

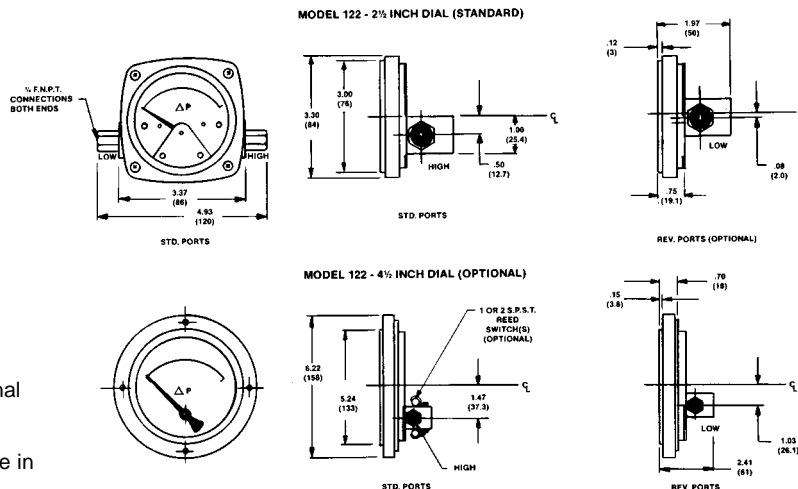
For loads above the switch rating, Mid-West Power Relay 1000TR, or an equivalent relay should be used. It may be used to control loads to 10 amps. The 1000TR is mounted on a standard 4" square junction box cover.

PART NUMBERING SYSTEM



MOUNTING INFORMATION & DIMENSIONAL DATA

- NOTES: 1. Drawings show standard gauge nominal dimensions. (not to scale)
2. Dimensions shown in parentheses are in millimeters.



PROOF PRESSURE: Two times working pressure or 10,000 PSI whichever is lower at ambient temperature.

Manufacturer reserves the right to change specifications without prior notice.

TEMPERATURE LIMITS: -40°F (-40°C) to +200°F (+93°C) - These limits are based on the entire instrument being saturated to these temperatures. System (process) temperatures may exceed these limitations with proper installation. Contact our customer service representative for details.

REPRESENTED BY:

CMC TECHNOLOGIES

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