

Model 120 Series "Filter Minder"® Piston-Type Differential Pressure Gauge FOR SEA WATER APPLICATIONS

- Body materials: Aluminum-Bronze or Monel. Monel Spring and Internals.
- Standard Ranges: 0-10, 0-15, 0-20, 0-25 and 0-30 PSID. (For other ranges contact factory)
- Accuracy ±5% full scale ascending.
- Working pressure 5000 P.S.I.G. (340 bar).
- Over-range protection to rated working pressure.
- · Weather-resistant construction standard.
- 2-1/2", 3-1/2" or 4-1/2" round dial.
- Shatter-resistant lens.

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



2-1/2" Dial

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 is also available. (Only a single switch is available on Monel bodies)

Reversed pressure ports are optionally available to facilitate installation.

Standard Hermetically Sealed Reed Switch Ratings (Resistive Load) (

Туре	SPST NO	SPST NO	SPDT	SPDT
Option	B***	E	Н	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. 24"

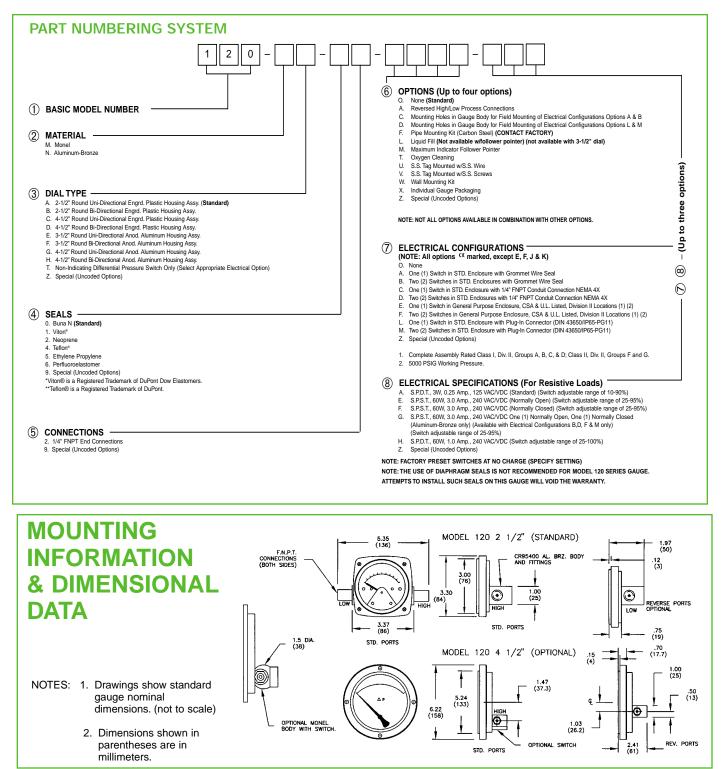
*Product of switching voltage and current shall not exceed the power rating of the device.

**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.



PROOF PRESSURE: Two times working pressure or

Manufacturer reserves the right to change specifications without prior notice.

10,000 PSI whichever is lower at ambient temperature.

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.





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- 15