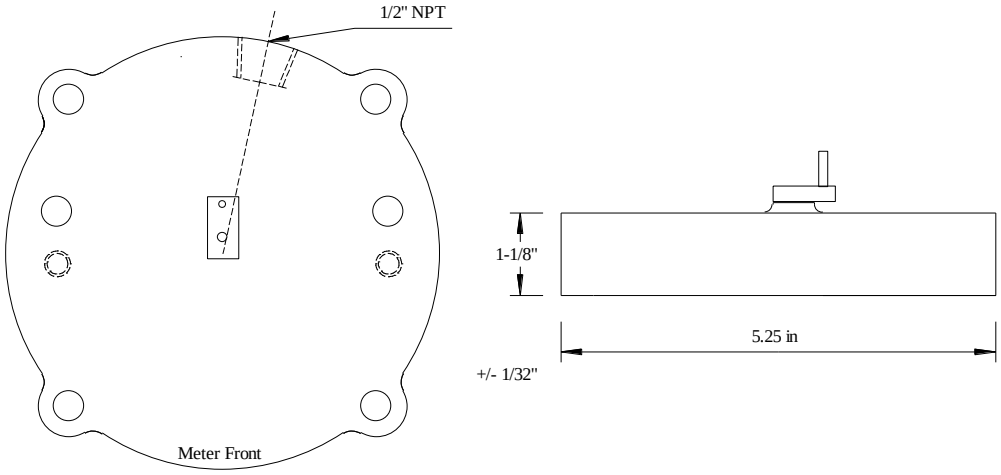
MVP-10

Magnetic Volume Pulser

- **Transmit Volume Data**
- **Fits all Industrial/Commercial Meters**
- **Standard 10 Pulses/rev.**
- **Available in Other Pulse Values**
- **1/2" NPT Output Connection for Conduit**

The Miners & Pisani, Inc. MVP-10 Magnetic Volume Pulser is a magnetically actuated reed switch mounted in a polycarbonate housing for easy installation on commercial and industrial gas meters. Meter shaft rotation actuates the switch which can then be used to transmit the metered volume to a remote totalizer or indicator such as the FPC Display.

Dimensions



Miners & Pisani, Inc.

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Tel: 510-352-9040 ° Fax: 510-352-2307
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Washington
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MVP-10 Magnetic Volume Pulser

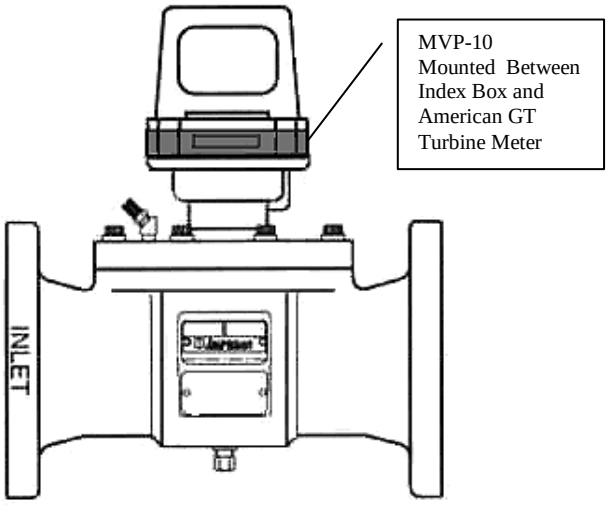
SPECIFICATIONS / INSTRUCTIONS

REED SWITCH SPECIFICATIONS

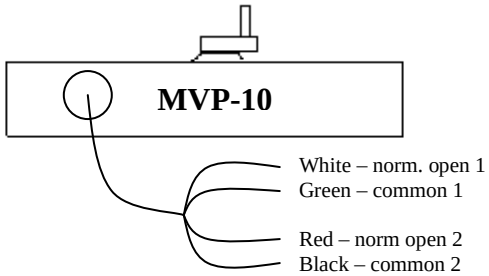
(2) Form "A" SPST N.O.

Power:	10 Watts
Voltage (maximum):	200VDC
Current:	0.5 amps
Breakdown Voltage:	250V min.
Wire Colors:	White – norm. open 1
	Green – common 1
	Red – norm. open 2
	Black – common 2

Optional Form "C" SPDT available.



MVP-10 WIRING DIAGRAM



PULSE VALUES

Output Shaft	Pulse Value
5 Cu. Ft./Rev.	.5 Cu. Ft.
10 Cu. Ft./Rev.	1 Cu. Ft.
100 Cu. Ft./Rev.	10 Cu. Ft.
1000 Cu. Ft./Rev.	100 Cu. Ft.

OPTIONAL EQUIPMENT

- Battery Powered Remote Totalizer
- 4-20 mA Converter

MOUNTING INSTRUCTIONS

- The MVP-10 has a universal mounting pattern to facilitate mounting on most commercial and industrial gas meters. 5/16"-18 X 2" screws are supplied for mounting. American Meter Co. mounting holes on meter should be enlarged to standard size by running a 5/16-18 tap down through the existing #18-18 threads.
- Remove the existing meter index or instrument from the meter. Place the MVP-10 over the mounting holes and reinstall the original index or instrument using the supplied screws.
- The American Meter index drive shaft is not concentric with the mounting bolt circle. Care should be taken to mount the MVP-10 with the wiring access hole to the back of the meter to insure proper alignment of the drive shaft and the driven shaft.

CAUTION

- The MVP-10 is designed to operate with high impedence loads and cannot be used to directly operate solenoid actuated devices or similar inductive loads. To operate the MVP-10 in circuits containing inductive loads or at ratings above those listed for the switch, additional protective devices must be used.
- Care must be exercised when installing electrical equipment in locations deemed hazardous by local authorities. When MVP-10 pulsers are installed in such locations, the pulser must be protected by an energy limiting barrier located in a non-hazardous area.

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