Components

MJN-Series Meter

Couplings

(Your meter may differ from the pictures, depending on model ordered.)

Warnings

• Do not install in overhead indoor piping or where leakage may cause damage.
• This meter is not recommended for installation in uninsulated suspended ceilings where freezing is possible.
• Thoroughly flush the service line upstream of the meter to remove any dirt and debris.
• Do not overtighten connections; tighten only as required to seal.
• Do not use pipe sealant or tape on meter threads.
• When removing the large meter nut, Seametrics recommends using a 24” pipe wrench. Larger or smaller pipe wrenches may damage the nut on plastic units!

Recommended Tools

If you want to change the pulse rate Seametrics recommends a 24” pipe wrench.
**Positioning**

For best results, install horizontally with register up. No upstream straight pipe is required.

Warning: Vertical mounting will result in some degree of under-measurement and shortened life of bearings.

**Installation**

**Couplings**

It is recommended that you use the included couplings because they provide a union connection for meter service. Be sure to use the included gasket between the end of the meter and the coupling.

**Connections**

**Diagram 1: Single Sensor**

<table>
<thead>
<tr>
<th>Blue (No connection)</th>
<th>Black - Common</th>
<th>Red - N.O.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Black (-)</td>
<td>White - Signal</td>
</tr>
<tr>
<td></td>
<td>Red (+)</td>
<td></td>
</tr>
</tbody>
</table>

MJNR: Reed Switch

MJNE: Hall-Effect

**Diagram 2: Dual Sensor**

NOTE: The Dual Sensor is distinguished by a red stripe on the cable at the base of the sensor.

<table>
<thead>
<tr>
<th>Black - Common</th>
<th>Blue - N.O.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black (-)</td>
<td>Red (+)</td>
</tr>
</tbody>
</table>

MJNR: Reed Switch

**Setting Pulse Rate**

The pulse rate is determined by which sensor was ordered from the factory (single reed switch, dual reed switch, or single Hall-effect) and by the dial on which the magnet pointer is located. The pointer is set at the factory, but can be changed in the field. *(Refer to the MJN Instruction booklet for details.)*

**Reading the Meter**

Add the results to get the total flow.

\[
\begin{align*}
138x100 \times 10 &= 13800 \\
6x10 \times 10 &= 60 \\
2x1 \times 10 &= 2 \\
4x0.1 \times 10 &= 0.4 \\
\text{Total} &= 13862.4
\end{align*}
\]