McDonnell-Miller PS-801 & PS-802 Low Water Cut-Offs

**PS-800 Features:**
- Electronic operation: For residential & commercial low-pressure steam boilers (up to 15 psig).
- Self-cleaning probes prevent lime build-up for 5 years!
- 24 volt (Model PS-802) or 120 volt (Model PS-801) AC.
- User friendly diagnostic:
  - Red LED — Low water and shorted probe
  - Green LED — Power and testing function
- Probe sensitivity to 7,000 ohms
- No lock-out with loss of power if probe is in water
- 15-second Delay on Make feature
- 10-second Delay on Break feature
- No blow-down of control needed when directly mounted into the boiler tappings
- Test button is standard on all models
- Options available include:
  - Manual reset (Do not use with automatic water feeder)
  - Extended barrel, remote and short probe models
- Power consumption at 1.7 VA
- Provisions to add alarm or automatic water feeder. Do not use Manual Reset models with an automatic water feeder.
- Maximum steam pressure, 15 psi
- Maximum water temperature, 250° F.
- Maximum ambient temperature, 120° F.

**PS-800 designed for low pressure Steam Boilers**

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**PS-801 and PS-802 Low Water Cut-Offs**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Order No.</th>
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<tbody>
<tr>
<td><strong>120 Volt Models</strong></td>
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</tr>
<tr>
<td>PS-801-120</td>
<td>Automatic reset low water cut-off</td>
<td>MH1172</td>
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<tr>
<td>PS-801-M-120</td>
<td>Manual reset low water cut-off</td>
<td>MH1172A</td>
</tr>
<tr>
<td>PS-801-U-120</td>
<td>Automatic reset and extended barrel</td>
<td>MH1172B</td>
</tr>
<tr>
<td>PS-801-M-U-120</td>
<td>Manual reset and extended barrel</td>
<td>MH1172C</td>
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<td><strong>24 Volt Models</strong></td>
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<tr>
<td>PS-802-24</td>
<td>Automatic reset low water cut-off</td>
<td>MH1173</td>
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<tr>
<td>PS-802-M-24</td>
<td>Manual reset low water cut-off</td>
<td>MH1173A</td>
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<tr>
<td>PS-802-U-24</td>
<td>Automatic reset and extended barrel</td>
<td>MH1173B</td>
</tr>
<tr>
<td>PS-802-M-U-24</td>
<td>Manual reset and extended barrel</td>
<td>MH1173D</td>
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<tr>
<td>PS-802-RX2-24</td>
<td>Low water cut-off with remote sensor</td>
<td>MH1173C</td>
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**Replacement Electrodes**

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<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Order No.</th>
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</thead>
<tbody>
<tr>
<td>PA-800</td>
<td>Standard barrel electrode</td>
<td>MI1496</td>
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<tr>
<td>PA-800-U</td>
<td>Extended barrel electrode</td>
<td>MI1497</td>
</tr>
<tr>
<td>PA-800-RX2</td>
<td>Electrode for remote sensor for PS-802-RX2-24</td>
<td>MI1498</td>
</tr>
</tbody>
</table>

**Automatic Reset Models** — Whenever water is below the level of the probe, the control will go into a low water condition. When the water level has been restored, the control will automatically return to a run condition.

**Manual Reset Models** — If a low water condition occurs (water off probe), the manual reset button must be manually pressed once the water level is restored to a level above the probe.

Do not use Manual Reset models with an automatic water feeder!