

# PSE-800

## Automatic Reset LWCO for Steam Boilers

The **PSE-800** probe type LWCO uses patented technology to monitor changes in water conductivity. When defined parameters are exceeded, the **PSE-800** makes a decision to turn off the burner based on the volatility/variability of the resistance settings. This patented technology provides the best protection possible without turning off the burner unless low water condition exists. As an added measure of safety, the control will turn off the burner if it recognizes an out-of-water condition when the sensitivity threshold is exceeded.

### Features and Benefits Include:

#### Patented LWCO software

Detects the difference between water and steam bubbles providing a more consistent water level detection than standard probe style controls.

#### 30 Second DOM

The signal to the feeder remains activated for an additional 30 seconds after the LWCO detects water on the probe. This raises the water level in the boiler, reducing the incidences of nuisance shutdowns when the burner restarts.

#### Power Interruption

If there is a loss of power, the control will automatically reset if there is water on the probe when the power is restored.

#### Self-cleaning Probe

This is available only on McDonnell & Miller probe type controls and reduces probe maintenance to once every five years instead of annually.

#### Test Button

Standard on all controls to allow the control to be tested without draining the boiler or system.

#### 'Green' Power On & 'Red' LWCO LED's

Standard on all units to give visual indication that the unit is powered up and when a low water condition is detected.

**For over 85 years, McDonnell & Miller has been a name you can trust and rely on for boiler safety controls.**



**McDonnell & Miller**  
a xylem brand

## Install the low water cut-off with higher standards.

- Out-performs conventional probe-style controls on steam boilers with unstable water lines
- Only turns off the burner when a true low water condition exists
- Self-cleaning probe extends recommended probe maintenance interval to 5 years

The right choice for any residential steam boiler.

## Competitive Cross Reference

	McDonnell & Miller	Hydrolevel	TACO	Honeywell
<b>PSE-801-120</b>	PS-801-120 PS-800-120	450 CG450 OEM-170TD	LFA1203S-1 LTA1203N-1	RW700A1080 RW700A1056
<b>PSE-801-U-120</b>	PS-801-U-120 PS-800-U-120	CG450P	LFA1203X-1	
<b>PSE-802-24</b>	PS-802-24 PS-800-24 PS-801-24	400 CG400 OEM-24TD	LFA0243S-1 LTA0243N-1	RW700A1098
<b>PSE-802-U-24</b>	PS-802-U-24 PS-801-U-24		LFA0243X-1	
<b>PSE-802-RX2-24</b>	PS-802-RX2-24 PS-801-RX2-24		LFA0242S-1 LTA0242N-1	

## Ordering Information

Model Number	Part Number	Description
<b>PSE-801-120</b>	153827	LWCO - 120V w/standard probe
<b>PSE-801-U-120</b>	153828	LWCO - 120V w/ext. barrel probe ("U")
<b>PSE-802-24</b>	153927	LWCO - 24V w/standard probe
<b>PSE-802-U-24</b>	153928	LWCO - 24V w/ext. barrel probe ("U")
<b>PSE-802-RX2-24</b>	153929	LWCO - 24V w/remote probe ("RX2")



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