



Low Water Cut-Offs - Electronic For Steam Boilers

Series PSE-800 **NEW**

For residential and commercial steam boiler applications

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

Standard Features

- Green power is on indicating LED
- Red low water indicating LED
- 30 second DOM
- Test button
- Self-Cleaning probe
- No lock out with loss of power if probe is in water
- Provisions to add water feeder of alarm

Models available with:

- 120 VAC
- 24 VAC (meets ANSIZ21.13a specification)
- 'U' probe (extended barrel)
- 'RX2' probe (remote)

Ordering information

Model Number	Part Number	Description	Weight lbs. (kg)
PSE-801-120	153827	LWCO -120V	2.7 (1.2)
PSE-801-U-120	153828	PSE-801-120 w/ext. barrel ('U' probe)	2.7 (1.2)
PSE-802-24	153927	LWCO - 24V	2.7 (1.2)
PSE-802-U-24	153928	PSE-801-24 w/ext barrel ('U' probe)	2.7 (1.2)
PSE-802-RX2-24	153929	PSE-802-24 w/remote sensor ('RX2' probe)	2.7 (1.2)

Electrical Ratings

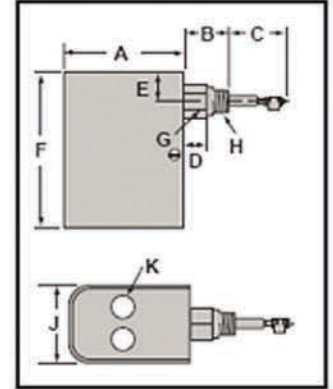
Model	Voltage	Switch Rating (Amperes)		Pilot Duty
		Full Load	Locked Rotor	
24 VAC	24 VAC	—	—	50 VA at 24 VAC
120 VAC	120 VAC	7.5	43.2	125 VA at 120 or 240 VAC 50 or 60 Hz
	240 VAC	3.75	21.6	

Dimensions, in. (mm)

A	B		C				D	E	F	G	H		J	K
	All	U	Std	SP	RX2	U					All	RX		
4 1/4 (108)	1 3/16 (40)	3 1/16 (78)	2 1/8 (54)	1 3/8 (35)	2 1/8 (54)	1 9/16 (40)	3/4 (20)	1 3/16 (21)	5 13/16 (148)	1 3/8 (35)	3/4 (20)	1/2 (25)	2 7/8 (73)	7/8 (22)



Series PSE-800



U.S. Patents 7,161,492 & 7,436,187

Specifications

- Probe Sensitivity: 7,000 ohms
- Power Consumption: 1.7 VA @ 24VAC
3.6 VA @ 120VAC
- Enclosure Rating: NEMA 1 General Purpose
- Maximum Ambient Temperature: 120°F (49°C)
- Maximum Steam Pressure: 15psi (1 kg/cm²)

