

Low Water Cut-Offs – Electronic For Steam Boilers

PSE-800-M Manual Reset LWCO

- Primary or Secondary control on hot water boilers
- Secondary control on steam boilers
- Manual reset models meet requirements of ASME Standard CSD-1. If the control is in a low water condition when there is an interruption of power, the control will remain in a low water condition when power is restored. The reset button will need to be pressed when the water level is restored to a level above the probe to allow the burner to fire.

Standard Features

- Green power in on indicating LED
- Red low water indicating LED
- 60-second delay before lockout.
- Test button
- Self-Cleaning probe
- No lock out with loss of power if probe is in water

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	

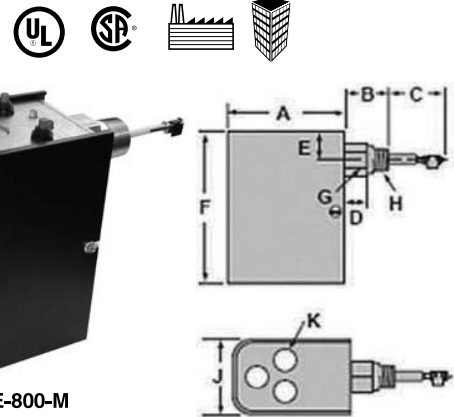
- Probe Sensitivity: 7,000 ohms
- Probe Consumption: 1.7 VA @ 24 VAC
3.6 VA @ 124 VAC
- Enclosure Rating: NEMA 1 General Purpose

Ordering Information

Model Number	Part Number	Description	Weight lbs. (kg)
PSE-801-M-120	153601	120V Manual Reset w/standard probe	2.7 (1.2)
PSE-801-M-U-120	153603	120V Manual Reset w/ext. barrel probe ('U')	2.7 (1.2)
PSE-802-M-24	153602	24V Manual Reset w/standard probe	2.7 (1.2)
PSE-802-M-U-24	153604	24V Manual Reset w/ext. barrel probe ('U')	2.7 (1.2)

Dimensions, in. (mm)

A	B		C			D		E	F	G	H	J	K
	All	U	Std	RX2	U	Std	U						
4¼ (108)	1⅞ (40)	3⅞ (78)	2½ (54)	2½ (54)	1⅞ (40)	½ (13)	¾ (20)	1 (25)	6 (153)	1⅞ (35)	¾ NPT	3 (76)	⅞ (22)



Series PSE-800-M

Probe Specifications

- Maximum Steam Pressure: 15 psi (1.0 kg/cm²)
- Maximum Water Pressure: 160 psi (11.2 kg/cm²)
- Maximum Water Temperature: 250°F (121°C)
- Probe Sensitivity: 7,000 ohm

Control Unit

Temperature:

- Storage: -40°F to 120°F (-40°C to 49°C)
- Ambient: 32°F to 120°F (0°C to 49°C)

Humidity: 85% (non-condensing)



Do not use “manual reset” models with electric automatic water feeders. Failure to follow this caution can cause flooding and property damage.