



# Boiler Controls

McDonnell & Miller

## Low Water Cut-Offs – Electronic For Steam Boilers

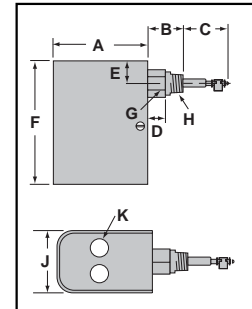
**New and Improved**

Series PS-800  
Low Water Cut-Offs



**NOW WITH SELF-CLEANING PROBE!**

- For residential and commercial applications
  - Electronic operation
- New Features:
- User-friendly diagnostics
    - Red low water and shorted probe LED
    - Green power and test LED
  - Probe sensitivity: 7,000 ohms
  - No lock out with loss of power if probe is in water
  - Delay on Make (DOM) feature (15 seconds)
  - Delay on Break (DOB) feature (10 seconds)
  - No blow down of control required when mounted directly into boiler tappings
  - Test button standard on all models
  - Options available include
    - Manual reset
    - Extended barrel and remote sensor models
    - 120 volt and 24 volt models (24 volt models meet ANSI specification Z21.13a)
  - Power consumption 1.7 VA
  - Provisions to add alarm or automatic water feeder
  - Maximum ambient temperature 120°F (49°C)
  - Maximum steam pressure 15 psi (1 kg/cm<sup>2</sup>)
  - Maximum water temperature 250°F (121°C)



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### Electrical Ratings

Model	Voltage	Motor 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 1/8 (40)	3 1/8 (78)	2 1/8 (54)	1 3/8 (35)	2 1/8 (54)	1 1/8 (40)	3/4 (20)	1 1/8 (21)	5 13/16 (148)	1 1/8 (35)	3/4 NPT	1/2 NPT	2 1/8 (73)	7/8 (22)

### Ordering Information

Model Number	Part Number	Description	Weight lbs. (kg)
PS-801-120	153875	Low water cut-off 120V	2.7 (1.2)
PS-801-M-120	153880	PS-801-120 w/manual reset	2.7 (1.2)
PS-801-U-120	153876	PS-801-120 w/ext. barrel	2.7 (1.2)
PS-801-M-U-120	153925	PS-801-120 w/ext. barrel & manual reset	2.7 (1.2)
PS-802-24	153917	Low water cut-off 24V	2.7 (1.2)
PS-802-M-24	153913	PS-802-24 w/manual reset	2.7 (1.2)
PS-802-U-24	153916	PS-802-24 w/ext. barrel	2.7 (1.2)
PS-802-M-U-24	153924	PS-802-24 w/ext. barrel & manual reset	2.7 (1.2)
PS-802-RX2-24	153914	PS-802-24 w/remote sensor	2.7 (1.2)

### CAUTION

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