



Boiler Controls

McDonnell & Miller

Low Water Cut-Offs – Electronic For Hot Water Boilers

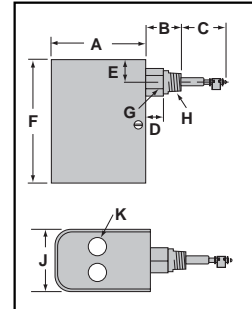
New and Improved

Series PS-850
Low Water Cut-Offs



NOW WITH SELF-CLEANING PROBE!

- For residential, commercial and industrial applications
 - Electronic operation
- New Features:
- User-friendly diagnostics
 - Red low water and shorted probe LED
 - Green power and test LED
 - Higher probe sensitivity: 7,000 ohms
 - No lock out with loss of power if probe is in water
 - No blow down of control required when mounted directly into boiler tapings
 - Test button standard on all models
 - Options available include
 - Manual reset
 - Extended barrel, remote and short probe models
 - 120 volt and 24 volt models (24 volt models meet ANSI specification Z21.13a)
 - Power consumption 1.7 VA
 - Provisions to add alarm
 - Maximum ambient temperature 120°F (49°C)
 - Maximum water pressure 160 psi (11.2 kg/cm²)
 - Maximum water temperature 250°F (121°C)



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Ordering Information

Model Number	Part Number	Description	Weight lbs. (kg)
PS-851-120	153895	Low water cut-off 120V	2.7 (1.2)
PS-851-U-120	153887	PS-851-120 w/extended barrel	2.7 (1.2)
PS-851-M-120	153896	PS-851-120 w/manual reset	2.7 (1.2)
PS-851-M-U-120	153884	PS-851-120 w/extended barrel & manual reset	2.7 (1.2)
PS-851-RX2-120	158421	PS-851-120 w/remote probe	2.7 (1.2)
PS-851-M-RX2-120	153901	PS-851-120 w/remote probe & manual reset	2.7 (1.2)
PS-851-SP-120	153920	PS-851-120 w/short probe	2.7 (1.2)
PS-851-SP-M-120	153921	PS-851-120 w/short probe & manual reset	2.7 (1.2)
PS-852-24	153919	Low water cut-off 24V	2.7 (1.2)
PS-852-M-24	153918	PS-852-24 w/manual reset	2.7 (1.2)
PS-852-SP-24	153922	PS-852-24 w/short probe	2.7 (1.2)
PS-852-SP-M-24	153923	PS-852-24 w/short probe & manual reset	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 1/16 (40)	3 1/16 (78)	2 1/8 (54)	1 3/8 (35)	2 1/8 (54)	1 1/16 (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)

CAUTION

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