

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

**New and Improved**

## Series PS-850

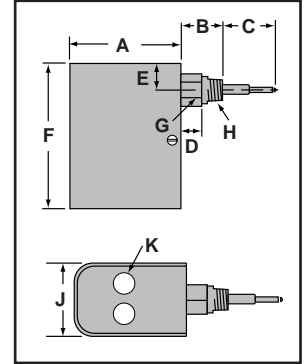


### Low Water Cut-Offs

- 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 tappings
- 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/cm<sup>2</sup>)
- Maximum water temperature 250°F (121°C)



### 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	

### 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)

### Dimensions, in. (mm)

A	B		C				D	E	F	G	H		J	K
	All	U	Std	SP	RX2	U					All	RX		
4¼ (108)	1⅞ (40)	3⅞ (78)	2⅞ (54)	1⅞ (35)	2⅞ (54)	1⅞ (40)	¾ (20)	1⅜ (21)	5⅞ (148)	1⅞ (35)	¾ (20)	½ (25)	2⅞ (73)	⅞ (22)



### CAUTION

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