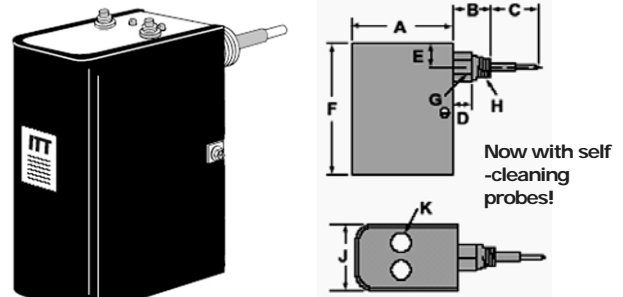


McDonnell-Miller PS-851 & PS-852 Low Water Cut-Offs

PS-851 and PS-852 Features:

- Electronic operation: For residential & commercial Hot Water boilers.
- Self-cleaning probes prevent lime build-up for 5 years!
- 24 volt (Model PS-852) or 120 volt (Model PS-851)AC.
- User friendly diagnostic:
 - Red LED — Low water and shorted probe
 - Green LED — Power and testing function
- Probe sensitivity to 7,000 ohms
- No lock-out with loss of power if probe is in water
- No blow-down of control needed when directly mounted into the boiler tapings. Provisions to add alarm
- Test button is standard on all models
- Options available include:
 - Manual reset (Do not use with automatic water feeders).
 - Extended barrel, remote and short probe models
- Standard PS model, 3/4" pipe connection. The PS models with "RX" in the model number have a 1/2" pipe connection.
- Provisions to add alarm
- Maximum water pressure, 160 psi; Maximum water temperature, 250° F.; Max ambient temperature, 120° F.

PS-850 series electronic low water cut-offs are designed specifically for Hot Water Boilers.



Dimensions of PS-850 Series (inches)

A	B	C	D	E	F	G	H	J	K
4/4	See probes	3/4	13/16	5-13/16	1 3/8	See probes	2 7/8	7/8	

Electrical Ratings for PS-850 series, Ampere ratings

Model	Voltage	Full Load	Locked Rotor	Pilot Duty
24 VAC	24VAC	—	—	50VA @ 24VAC
120 VAC	120 or 240	7.5 or 3.75	43.2 or 21.6	125VA @120/240

PS-851 and PS-852 Low Water Cut-Offs

Model No.	Description	Order No.
120 Volt Models		
PS-851-120	Low water cut-off	MH1125A
PS-851-U-120	With extended barrel	MH1125B
PS-851-M-120	With manual reset	MH1129A
PS-851-M-U-120	Manual reset & extended barrel	MH1125C
PS-851-RX2-120	With remote probe	MH1125D
PS-851-M-RX2-120	Manual reset & remote probe	MH1125E
PS-851-SP-120	With short probe	MH1125F
PS-851-SP-M-120	Manual reset & short probe	MH1125G
24 Volt Models		
PS-852-24	Low water cut-off	MH1129B
PS-852-M-24	With manual reset	MH1129C
PS-852-SP-24	With short probe	MH1129D
PS-852-SP-M-24	Manual reset & short probe	MH1129E
Replacement Electrodes		
Item No.	Parts Description	Order No.
PA-800	Standard barrel electrode	MI 1496
PA-800-U	Extended barrel electrode	MI 1497
PA-800-RX2	Electrode for remote sensor for PS-802-RX2-24	MI 1498
PA-RB-120	Electrode for models with "SP" in the model number	MI 1499

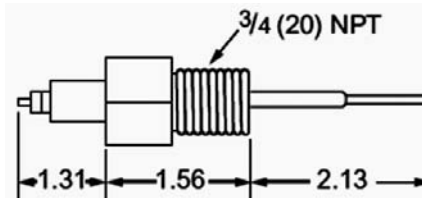
Automatic Reset Models — After the burner is "cut-off" due to low water, and the water level has been restored, the control will automatically return to a run condition.

Manual Reset Models — If a low water condition occurs (water off probe), the manual reset button must be manually pressed once the water level is restored to a level above the probe.

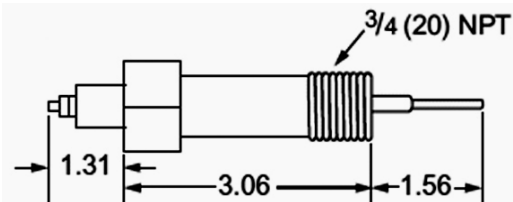
- Do not use manual reset models with automatic water feeders!

Replacement Electrodes

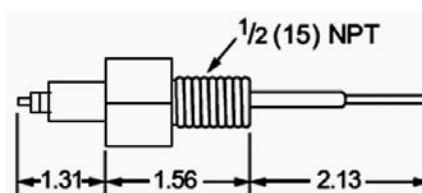
- Standard PA-800 Electrode



- Extended Barrel PA-800-U Electrode



- PA-800-RX2 Electrode



- PA-RB-120 Electrode

