

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

### New and Improved

### Series PS-850

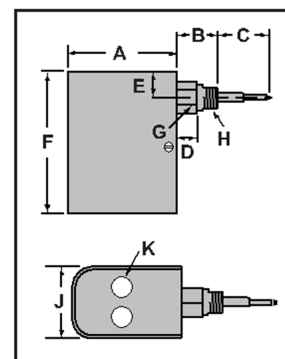


### Low Water Cut-Offs

- 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 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)



### 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 |
|         | 240 VAC | 3.75                    | 21.6         | 50 or 60 Hz              |

### 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) | 1⅞ (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.