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

## Series 750

GUARDDOG®

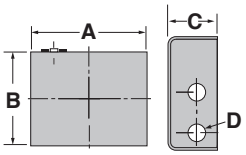
c UL us LISTED

- For commercial or industrial applications
- Primary or secondary control on hot water boilers
- Secondary control (manual reset models only) on steam boilers
- Manual reset models meet the requirements of **ASME Standard CSD-1.** If the control is in a low water condition when there is an interruption of power, the control will remain in a low water condition when power is restored. The reset button will need to be pressed when the water level is restored to a level above the probe to allow the burner to fire.

Standard Features

- Green LED indicating power is on
- Red LED indicating low water condition
- Test button
- No lock out with loss of power if probe is in water
- 20,000 ohms sensitivity

**Series 750 Control Unit**




## Control Unit

## Temperature Ratings:

**Temperature:**

Storage: -40˚F to 120˚F (-40˚C to 49˚C)

Ambient: 32˚F to 120˚F (0˚C to 49˚C)

**Humidity:** 85% (non-condensing)

**Electrical Enclosure Rating:** NEMA 1 General Purpose

**Hz:** 50/60

**Control Power Consumption:** 3 VA (max.)

## Model 750-HW-MT-120

The 750-HW-MT-120 control provides continuous protection against a **HIGH WATER** condition in steam boilers and other water level applications. The manual reset function will require the unit be reset after water has risen above the level of the probe.

### 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 VAC 50 or 60 Hz |

### Ordering Information

| Model Number | Part Number | Description | Weight lbs. (kg) |
|---|---|---|---|
| 750-T-24 | 176294 | LWCO - 24V Auto Reset | 2 (.9) |
| 750-MT-24 | 176293 | LWCO - 24V Manual Reset | 2 (.9) |
| 750-T-120 | 176206 | LWCO - 120V Auto Reset | 2 (.9) |
| 750-MT-120 | 176207 | LWCO - 120V Manual Reset | 2 (.9) |
| 750-HW-MT-120 | 176236 | HWCO - 120V Manual Reset | 2 (.9) |

(Remote sensor and probe rod must be ordered separately, see page 70-72)

### Dimensions, in. (mm)

| A | B | C | D |
|---|---|---|---|
| 6⅜ (162) | 5⅛ (130) | 2⁹⁄₁₆ (65) | 1⁹⁄₁₆ (40) |