Boiler Controls

McDonnell & Miller
a xylem brand

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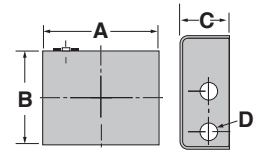
Standard Features
- Green LED indicating power is on
- Red LED indicating low water condition
- Test button
- No lock out with loss of power if probe is in water
- 20,000 ohms sensitivity

**Series 750
Control Unit**

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.

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.)

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)