

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

Series 750



- 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

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.

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)

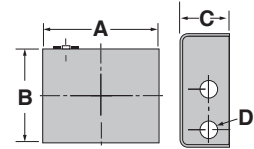
(Remote sensor and probe rod must be ordered separately, see page 70-72)

Dimensions, in. (mm)

A	B	C	D
6 ³ / ₈ (162)	5 ¹ / ₈ (130)	2 ⁹ / ₁₆ (65)	1 ⁹ / ₁₆ (40)



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

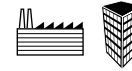
Control Power Consumption: 3 VA (max.)

Electrical Ratings

Model	Control Voltage	Switch Contact Rating (Pilot Duty)
750-T-24	24VAC	50VA@24VAC Or 125VA@120VAC
750-MT-24		
750-T-120	120VAC	
750-MT-120		
750-HW-MT-120		

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

Series 751P/752P



- 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
- Self cleaning probe
- No lock out with loss of power if probe is in water
- 20,000 ohms sensitivity

Electrical Ratings

Model	Control Voltage	Switch Contact Rating (Pilot Duty)
750-MT-24	24VAC	50VA@24VAC Or 125VA@120VAC
752P-MT-U-24		
752P-MT-SP-24		
751P-MT-120	120VAC	50VA@24VAC Or 125VA@120VAC
751P-MT-U-120		
751P-MT-SP-120		

Ordering Information

(Remote sensor must be ordered separately (see page 70-74))

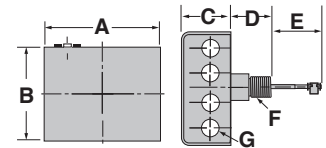
Model Number	Part Number	Description	Weight lbs. (kg)
752P-MT-24	176296	LWCO - 24V w/standard probe	2.5 (1.1)
752P-MT-U-24	176298	LWCO - 24V w/ext. barrel probe ('U')	2.5 (1.1)
752P-MT-SP-24	176297	LWCO - 24V w/short probe ('SP')	2.5 (1.1)
751P-MT-120	176234	LWCO - 120V w/standard probe	2.5 (1.1)
751P-MT-U-120	176214	LWCO - 120V w/ext. barrel probe ('U')	2.5 (1.1)
751P-MT-SP-120	176295	LWCO - 120V w/short probe ('SP')	2.5 (1.1)

Dimensions, in. (mm)

A	B	C	D			E			F	G
			Std.	SP	U	Std.	SP	U		
6 ⁵ / ₈ (168)	5 ⁵ / ₁₆ (135)	2 ³ / ₄ (70)	1 ¹ / ₁₆ (40)	3 ¹ / ₁₆ (78)	1 ⁹ / ₁₆ (40)	2 ¹ / ₈ (54)	1 ⁵ / ₁₆ (33)	1 ⁹ / ₁₆ (40)	3/4	7/8 (22)



Series 751P/752P



Probe Specifications

- Maximum Steam Pressure:** 15 psi (1.0 kg/cm²)
- Maximum Water Pressure:** 160 psi (11.2 kg/cm²)
- Maximum Water Temperature:** 250°F (121°C)
- Probe Sensitivity:** 20,000 ohm

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.)