For Residential and Commercial Applications

Job Name	Contractor
Job Location	
	Approval
Engineer	Contractor's P.O. No.
Approval	Representative

LOW WATER CUT-OFFS FOR HOT WATER BOILERS

Features

- Reliable Electronic Operation
- •Low Maintenance
- •No Moving Parts in Boiler Water
- Easy to Install
- Inexpensive To Own and Operate
- •100% Factory Tested

Superior Performance by Design

WATTS low water cut-offs are electronically operated. A probe is installed in the boiler shell or external manifold, and connected to the control unit. Water is used as a conductor to complete the circuit between the probe and the boiler shell. When water is in contact with the probe, the circuit is completed; when the water level drops below the probe, the circuit opens. WATTS controls provide contacts to de-energize the burner circuit in low water condition.

MODEL	VOLTAGE	AUTO RESET	MANUAL RESET	TEST BUTTON
OEM 24	24V	•		
OEM 170	120V	•		
OEM 550	120V		•	•
OEM 650	120V	•		•
OEM 750	120V		•	









Automatic Reset

Shuts down the burner when water drops below the probe. Automatically recompletes the burner circuit upon return of safe water level.

Manual Reset

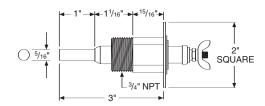
Shuts down the burner in a low water condition. Requires manual reset if the water remains below the probe for 30 seconds. Power failures and air bubbles will not cause the manual reset to lock out. Models equipped with manual reset feature are also recommended for use as secondary low water cutoffs on steam boilers.

Test Button

Tests control operation without lowering the water level. Depressing the test button deenergizes the burner circuit and lights the low water indicating lamp.

PROBE DATA

Test pressure 100 PSI

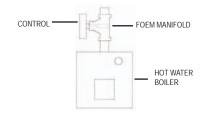


FITTINGS

Model FOEM

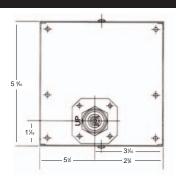
Manifolds are available for all models.

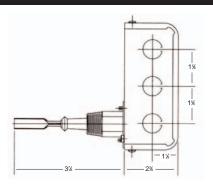




MODEL	PSI	SIZE
FOEM-1	160	1 1/2" x 1 1/2"x 3/4" NPT
FOEM-2	160	1" x 1" x 3/4" NPT
FOEM-3	160	1 1/4" x 1 1/4" x 3/4" NPT

DIMENSIONS





SPECIFICATIONS

120 Volt Models 24 Volt Models Maximum Pressure 160 PSI 160 PSI 120 VAC Input Voltage 24 VAC Input Currant 170/24 Series 60 MA 330 MA 550/650/750 Series 30 MA 80 MA **Power Consumption** 170/24 Series 7 VA 8 VA 550/650/750 Series 4 VA 2 VA Switch Rating 5.8 FLA, 34.8 LRA 50 VA Pilot Duty @ 24 VAC, 60 Hz Switch Contacts S.P.D.T S.P.D.T. **Enclosure** NEMA 1 Gen. Purpose NEMA 1 Gen. Purpose Mounting Vert. or Horiz. Vert. or Horiz



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LIMITED WARRANTY:

SO 9001

WATTS Industries Canada Inc. warrants each product against defects in material and workmanship for a period of one year from the date of original shipment. In the event of such defects within the warranty period, the Company will, at its option, replace or recondition the product without charge. This shall constitute the exclusive remedy for breach of warranty, and the Company shall not be responsible for any incidental or consequential damages, including, without limitation, damages or other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemicals, or any other circumstances over which the Company has no control. This warranty shall be invalidated by any abuse, misuse, misapplication or improper installation of the product.

THE COMPANY MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED EXCEPT AS PRO-

VIDED IN THIS LIMITED WARRANTY.