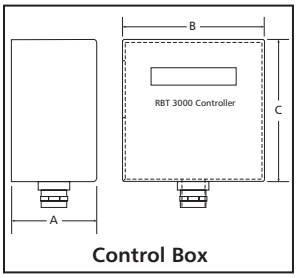
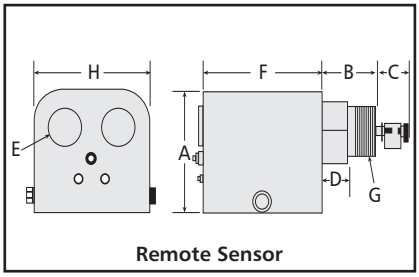
NEW

RBT-3000
Low Water Cut-off
Fuel Economizer

The RBT-3000 is a combination Low-Water Safety Cut-Off and Fuel-Saving controller for residential heating systems. The Low Water Cut-Off is specifically designed to provide burner cut-off if there is an unsafe water loss, which can result from a broken or leaking radiator or pipe, or a cracked section in the boiler. The Energy saving feature reduces: fuel consumption, wear on boiler parts and burner emissions, by actively managing the burner cycling, in conjunction with the boiler operating-control, to properly match boiler-output to the required load. This controller indicates actual savings on a burner cycle by cycle basis and also indicates the averages of these cycles. All programmable parameters are stored in non-volatile memory.



Control Box



Remote Sensor

Features:

- For hot water boilers up to 400,000 BTU Input
- Reduces fuel consumption an average of 10% to 20%
- Reduces maintenance and extends boiler life
- Increased savings without replacing existing controls
- Illuminated LCD Display
- Fail-safe operation
- Pre-programming for most installations
- Easily installed plug-in sensors
- LWCO test button
- 20,000 ohms sensitivity
- Self-cleaning probe

Ordering Information

Model Number	Part Number	Description
RBT-3000	153605	LWCO & Fuel Economizer
RBT-TS	354084	Temperature Sensor - DHW
RBT-EC	354085	Junction Box

Control Box – Dimensions, in. (mm)

A	B	C
2½ (63)	4 (101)	4 (101)

Remote Sensor – Dimensions, in. (mm)

A	B	C	D	E	F	G NPT	H
2¾ (70)	1⅝ (51)	1⅜ (35)	¾ (20)	⅞ (22)	3 13/16 (99)	¾	3 3/16 (81)

Electric Ratings

Power input: 24,115 VAC +10%/-15%, 3 Watts maximum, 50/60Hz

Control circuit input: 24,115 VAC ± 10%, 0.1A maximum Burden

Relay Contact: Form C, 7.4A @ 120 VAC

Low-Water Cut-Off Probe

LWCO Probe: Low Voltage (24 VAC) Conductance Type

Maximum Water Pressure: 160 psi (11 kg/cm2)

Maximum Water Temperature: 250°F (121°C)

Environmental Conditions

For Indoor Use

Rated Ambient Temperature 32° - 120°F (0° - 49°C)

Maximum Rh 85% non-condensing

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