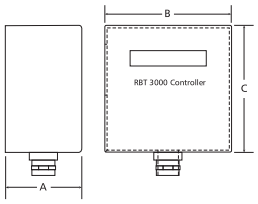
RBT-3000
Low Water Cut-off
Fuel Economizer

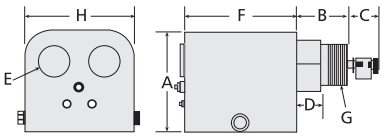
The RBT-3000 is a combination Low-Water Safety Cut-Off and Fuel-Saving controller for residential heating systems. The Low Water Cut-Off is specifically designed to provide burner cut-off if there is an unsafe water loss, which can result in a broken or leaking radiator or pipe, or a cracked section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

Features:

- For hot water boilers up to 400,000 BTU imput
- 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 probe sensitivity
- Self-cleaning probe



Control Box



Remote Sensor

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 (11kg/cm2)
Maximum Water Temperature: 250°F, (121°C)

Environmental Conditions

For Indoor Use

Rated Ambient Temperature
32° - 120°F (0° - 49°)
Maximum Rh 85% non-condensing

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)