Einstein Fuel Saver

GEO
GREENENERGYOPTIMIZERS

FEATURES & BENEFITS

- Microprocessor controlled heat optimization technology
- Dynamically adjusts to home heat load factor
- Fuel type independent (oil and gas)
- Automatically adjusts to multiple heating zones
- Automatic domestic hot water override
- Residential and light commercial applications
- Occupancy detector reduces fuel usage when no one is home
- Modular plug and play system connects to other Einstein modules.
- Supports one or two stage systems.
- End customer adjustable settings using LCD with touch panel.
- Enhances the operation of existing smart thermostats, works in concert with the thermostat to achieve even greater savings.
- System bypass switch
- Easy installation
- Dual redundant digital temperature sensors for accuracy and reliability
- Wireless occupancy dongle (optional)
- Carbon Monoxide emergency shutdown (optional)
- Circulator pump priority module (optional)

System Description

The Geo Einstein Fuel saver system utilizes patent pending technology that reduces home heating fuel consumption. The system computes the home load factor in real time. This allows the system to determine when there is enough heat to satisfy the homes demand without burning fuel. Fuel saver also saves money by not burning fuel when the home is unoccupied. The Geo FS uses temperature sensors to override the internal aquastat of the boiler. The

system responds instantly to heating demands and either allows or disallows the boiler to ignite.

PRODUCT SPECIFICATION

ELECTRICAL PARAMETERS

Input Voltage: 24V/110V/220V
Heating system voltage: 24V/110V/220V
Radio Frequency 433MHz/2.4GHz (optional)
Relay contacts: 2 x 10A NC
Power consumption: 5 Watt (1 stage heater) 10Watt (2 stage heater)

ENVIRONMENTAL PARAMETERS

Temperature sensor Operating range -40°F to 302°F (-40°C to 150°C)
Base unit operating range -40°F to 185°F (-40°C to 85°C)

WIRING DIAGRAM

CONTACT INFORMATION

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