Intellidyne® Heating Economizers

The Power To Save

for Hydronic Boilers

HW+

Residential Hot Water Heating System Fuel Economizer

For systems smaller than 400,000 BTU / hour.

LCH

Light Commercial Hot Water Heating System Fuel Economizer

For systems up to 2.5 million BTU / hour.

CHW

Commercial Hot Water Heating System Fuel Economizer

For systems larger than 2.5 million BTU / hour.

ENERGY STAR PARTNER

Features

- Dynamic Cycle Management®(DCM) technology is guaranteed to reduce fuel and electricity consumption by at least 10%.
- Saves energy without replacing or upgrading costly system components and without voiding manufacturers' warranties.
- The illuminated LCD display shows consumption savings, operating modes, system diagnostics, and operating temperatures.
- Can be used in conjunction with outdoor air temperature reset controls.
- Energy saving system is field-tested and validated.
- Works with all operating aquastats.
- Compatible with multi-zone systems.
- Reduces maintenance and extends service life.
- Provides domestic hot water priority on boilers with internal DHW coils.
- Simple installation by a qualified installer.
- Saves energy without sacrificing comfort.
- Maximum efficiency year round.
- Fail-safe operation requires no annual maintenance or follow-up visits.
- UL listed, "Energy Management Equipment".
- Short payback period of 10 to 18 months.
- 15-year limited manufacturer's warranty for breakdowns or defects.

INTELLIDYNE LLC

5507 Nesconset HWY, STE 10, PMB 148
Mount Sinai, NY 11766 USA

www.intellidyne.green

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Specifications

Mounting:
In any position via molded 1/2" electrical fitting or wall mounted (additional hardware may be needed)
Size:
4"H x 4"W x 2 1/2"D (for HW+ and LCH)
7 1/2"H x 9 1/2"W x 4"D (CHW)
Operating Humidity:
5% - 95% Non-Condensing
Operating Temperature Range:
-10 Fahrenheit - +120
Power Input:
24/115/220 VAC @ 5W
Control Circuit:
24 VAC/DC, 115/220 VAC
Relay Contact:
10A @ 220 VAC General Purpose
UL, cUL, and CE listed
Made in U.S.A.

A heating system must be able to provide acceptable comfort at the lowest anticipated outdoor temperature. Most residential boilers have a heat capacity 1.5 to 2 times larger than needed to maintain space temperature on extreme days. Due to this oversizing of the boiler, the burner will cycle on and off to prevent overheating of the system water during any call for heat.

Using our patented technology, *Intellidyne Heating System Economizers* increase system efficiency. Thus, the heating system uses less fuel to generate the same amount of heat. This is done by dynamically changing the aquastat's effective dead-band based on the measured heating load. This causes the average water temperature to be varied (depending on the measured load), and is accomplished by extending the burner's off-time. Extending the off-time also results in longer, more efficient burns and a reduction in burner cycling. Just as computer control has increased the gas mileage of automobiles, *Intellidyne Heating System Economizers* improve the fuel utilization of heating systems by supplementing the antiquated on/off control action of the aquastat with the analysis and control capabilities of a computer.

Intellidyne Heating System Economizers reduce fuel consumption 10% to 20% and decrease burner cycling by 30% or more. Installation is easily done by a qualified service technician and requires no follow-up maintenance.

Economical Efficient Ecological Easy

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