



The *Intellidyne FA* is a microprocessor-based, fuel-saving control for forced-air heating systems. The *Intellidyne FA* reduces fuel consumption, wear and tear on parts, flue emissions and electrical usage when installed on any new or existing forced-air furnace.



Features

- Dynamic Cycle Management® (DCM) technology is guaranteed to reduce fuel consumption by at least 10%.
- Saves fuel without replacing or upgrading costly system components and without violating manufacturers' warranties.
- Illuminated LCD display shows fuel consumption savings, operating modes, system diagnostics, and operating temperatures.
- Saves energy without sacrificing comfort.
- Short payback period of 4 to 18 months.
- Works with any thermostat including setback and multi-zone systems.
- UL listed, "Energy Management Equipment".
- Easily installed plug-in sensor (includes 2 required sensors).
- Simple installation by a qualified installer.
- Fail-safe operation requires no programming or follow-up visits.
- Maximum efficiency year-round.
- Reduces maintenance and extends furnace life.
- 15-year replacement warranty for breakdowns or defects.

Specifications

Mounting:
In any position via molded 1/2"
electrical fitting
Size:
4"H x 4"W x 2 1/2"D
Operating Humidity:
5% - 95% Non-Condensing
Operating Temperature Range:
-10°F - +120°F
Power Input:
24/115/220 VAC @ 5W
Control Circuit:
24 VAC/DC, 115/220 VAC
Relay Contact:
10A @ 220VAC General Purpose
UL Listed,
"Energy Management Equipment"
Made in U.S.A.

A heating system must keep a home warm at the coldest anticipated outdoor temperature. Most forced-air heating systems are 50% to 100% larger than necessary to maintain a comfortable temperature on average days. This excess capacity causes the burner to cycle on and off continuously to prevent the furnace from overheating. Even on furnaces with programmable setback thermostats or multi-zone systems, the burner cycling is not optimized and wastes fuel.

The Intellidyne FA saves energy by adjusting the burner run pattern to match the system's heat load. The *FA* analyzes the system's load, or demand for heat, by monitoring the out-flow air temperature as it is blown out of the furnace into the house. The absolute temperature value of the air in-flow and outflow, coupled with the rate the temperature is changing, is indicative of the load placed on the heating system. The *FA* measures and records how many times the burner is turned on and off and the duration of those burner cycles. The Economizer analyzes how fast heat is being lost in the system and in the space. Using this information, the optimum running cycle for maintaining the desired heating level is calculated. The *FA* then intercedes and changes the way the burner is cycled. As a result, less fuel is consumed in delivering the same amount of heating comfort.

The Intellidyne FA dynamically improves the fuel utilization of forced-air heating systems. By supplementing the simplistic on/off control action of the thermostat with the analysis and control capabilities of a real-time computer, users can enjoy maximum energy savings without sacrificing comfort.

Intellidyne FA reduces fuel consumption by 10% to 20%. Installation is easily done by a qualified service technician and requires no follow-up maintenance.



Economical



Efficient



Ecological



Easy

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