

# INTELLIDRAFT™ THE INTELLIGENT DRAFT SOLUTION

MODULATING FIREPLACE DRAFT AND SAFETY SYSTEM

**SAFETY**

**DESIGN**

**ENERGY SAVINGS**

**ENERVEX®**  
VENTING DESIGN SOLUTIONS



# ENERVEX INTELLIDRAFT™

## THE INTELLIGENT DRAFT SOLUTION

**The environmentally friendly IntelliDraft quietly maintains safe and proper draft for the fireplace while protecting a home from dangerous chimney downdraft and fireplace spillage.**

The IntelliDraft is the first completely automated venting control system for use with gas fireplaces and is ideal for multifamily buildings and single-family dwellings alike. It assures safe operating conditions for a gas fireplace and other gas-fired, decorative appliances. It also saves energy and eliminates unnecessary emissions making it a true GREEN solution.

Maintaining a proper and safe draft condition for the fireplace and the room providing it air for combustion are big challenges in today's tight construction. IntelliDraft is designed specifically to meet these needs.



Enjoy the convenience and safety of an IntelliDraft solution



Any fireplace design works with IntelliDraft



A discreet termination

### SAFETY

Safety is always important. The IntelliDraft creates the safest operation for any gas-fired fireplace or decorative appliance, and exceeds even the building codes' strictest safety requirements.

- Protects against downdrafts
- Eliminates spillage and CO release due to building depressurization
- Automatically shuts down fireplace operation, if conditions are unsafe.

### DESIGN

Today's fireplace designs challenge the traditional venting system design. IntelliDraft opens up many new design options while allowing for a larger view area of the fire and a more natural look.

- Freedom to integrate almost any fireplace design
- Eliminates the need for glass doors
- Enables chimney designs that defy traditional design rules

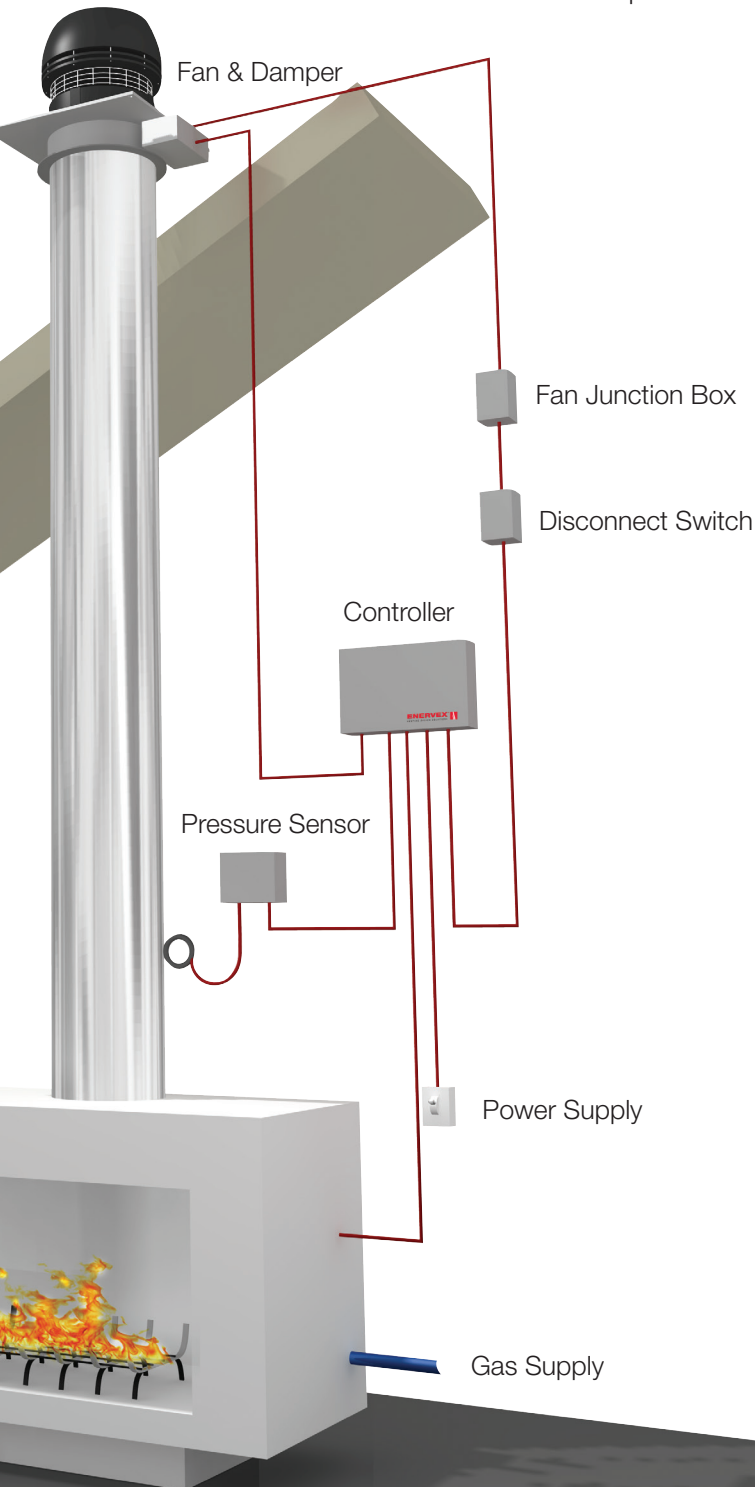
### ENERGY SAVING

A fireplace uses a lot of energy. Not only from the gas fuel but also from the conditioned air that is constantly vented to the outside. IntelliDraft puts an end to this waste of energy.

- Chimney is closed when the fireplace is not used
- The draft is never excessive which saves fuel
- Perfect operating conditions eliminate unnecessary carbon emissions.

# HOW IT WORKS

An elegant—and yet very simple—venting solution. The IntelliDraft is easy to install and the connection of the components is very straightforward. And all the components, except for a switch, stay out of sight. The illustration below shows the uncomplicated set up.



The IntelliDraft connects a draft and safety controller, the ADC150 and its pressure sensor, to an RS chimney fan, the MFD chimney damper and the fireplace's gas valve.



When the user wants to turn on the fireplace—typically using a wall switch—the controller signals the mechanical chimney damper to open. When the damper is open, the controller automatically ramps up the chimney fan speed until the draft set-point has been reached and the integrated draft protection switch closes.

At this point, the controller allows the fireplace to fire by opening the gas valve. During operation of the fireplace, the control continues to monitor the draft and will maintain the proper draft set-point by modulating the chimney fan speed whenever needed.

When the user turns the fireplace or appliance off, the control leaves the damper open until all residual combustion products have been exhausted out of the building by the chimney fan; then the control discontinues chimney fan operation and closes the damper.

If for any reason the draft set-point can't be maintained during operation, the controller will completely shut down the fireplace or appliance operation.

Events that could cause a complete shutdown include:

- Extreme chimney downdrafts
- Extreme building depressurization
- Electrical blackouts
- Electrical or mechanical failure to any IntelliDraft system component

# ENERVEX INTELLIDRAFT™ IS EASY TO INSTALL— RETROFIT OR NEW INSTALLATION



Although it is easier to integrate the IntelliDraft system in new construction it is also very suitable for retrofit installations.

The installation process requires access to the chimney and the fireplace control or gas valve. The only work performed inside the house includes the installation of a switch and sometimes the installation of a small pressure probe.

ENERVEX can assist with the design to make the installation as easy and simple as possible.

## EXPERIENCE INTELLIDRAFT!

Now you can have the fireplace of your dreams, venting problem-free for many, many years to come. Contact us now for assistance on what size fan to use and what control to buy—and learn more about our incredible warranties.

ENERVEX cares about the environment, so only the best materials and components are used, and we use recycled materials whenever safe and possible.



Visit our website for more information and to download literature and technical data.

**6** month unconditional money-back guarantee

**10** year corrosion perforation warranty

**2** year factory warranty