

# Heat Pump Alert

iO-HPA

## *No More “Through-the-Roof” Electric Bills!*

The Heat Pump Alert (iO-HPA) notifies the homeowner or building owner if the heat pump has failed. When a heat pump failure occurs in the winter, the owner most likely will not be aware of the issue. In many cases, the first indication that there is a problem is when the owner receives a large electric bill. This happens because they have been heating with backup electric heat instead of the heat pump.



### Specifications:

<b>Input Voltage</b>	20-30 VAC 50/60 Hz
<b>Operating Temperature</b>	32° F to 150° F
<b>Operating Relative Humidity</b>	0-95% (non-condensing)
<b>Buzzer Rating</b>	95 dB
<b>Warranty</b>	1 Year

## INTRODUCTION

The iO-HPA module is designed to detect air-to-air heat pump system failure by monitoring the “W” voltage signal from the thermostat and the temperature of the hot gas line. If there is a call for heat but the compressor fails to run after 12 minutes, a buzzer will sound. The module is equipped with an alarm switch to silence the buzzer.

***This product should only to be used in applications utilizing heat pumps with electric backup heat.***

## INSTALLATION

The iO-HPA module can be easily installed in just a few minutes. Typically the module mounts on the side of the air handler and requires only a few feet of low voltage, 18 gauge thermostat wire. Install the hot gas sensor on the hot gas line just outside the air handler using the supplied strap.

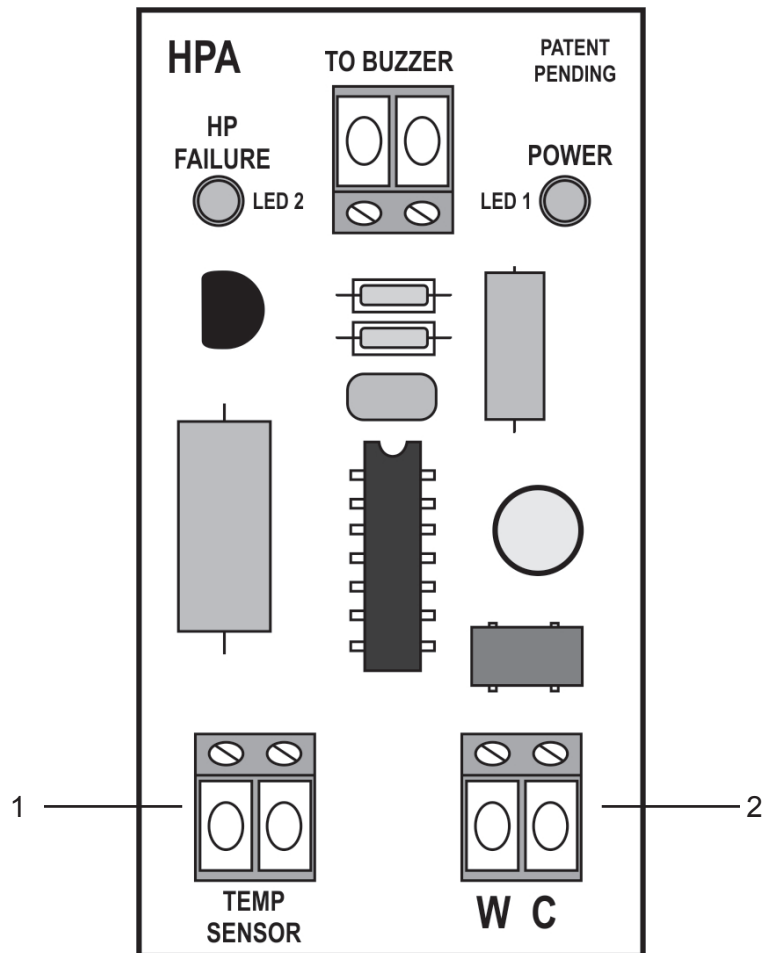
### Warning:

Turn power off to equipment during installation to prevent serious injury from electrical shock or damage to equipment.

Installation of the iO-HPA must be in compliance with all applicable codes.

This product will not replace the need for annual service.

1. Wire the hot gas temperature sensor leads to the two terminals on the board
2. Wire to the “W” and “C” terminals located inside the air handler- leave existing wires in place



1. Temperature Sensor Input Terminals (N.O.)
2. “W” and “C” Terminals



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