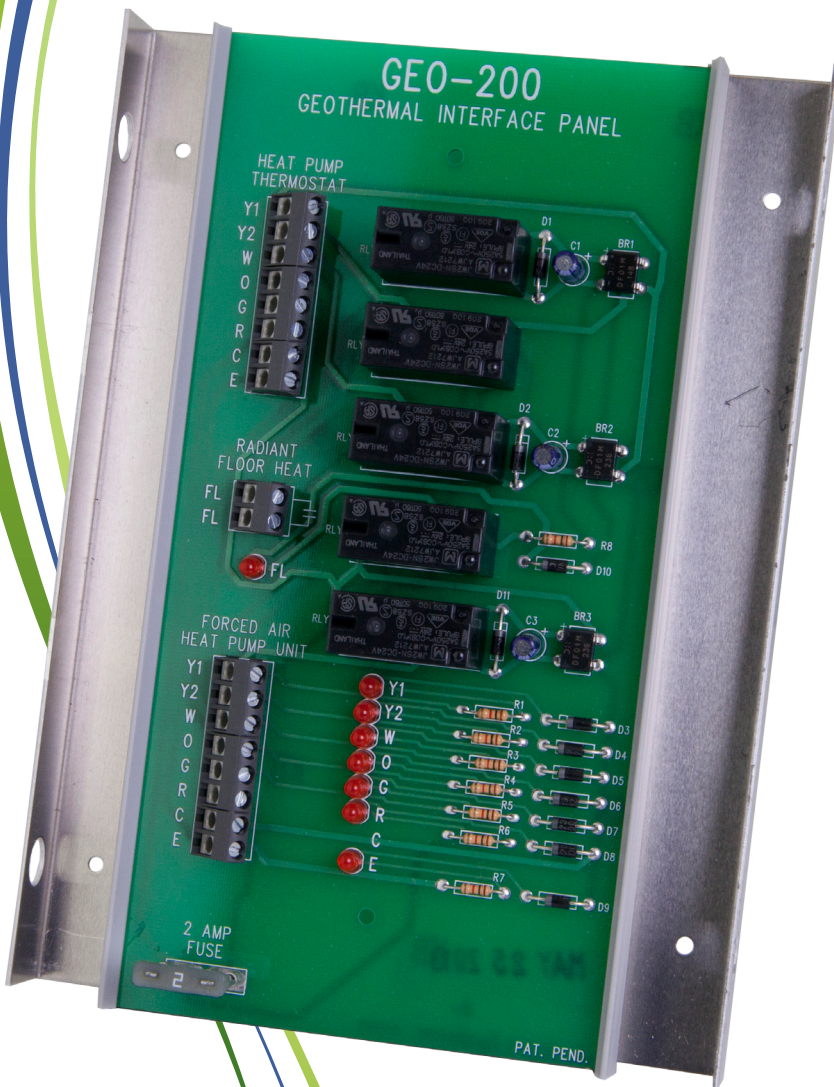


# Geothermal Interface Panel

iO-GEO

The Geothermal Interface Panel is designed to control a geothermal radiant floor heating system and a forced air geothermal system from a single room thermostat. The iO-GEO panel eliminates the hassle of installing a second thermostat because it integrates the radiant floor heat as Stage 1 and then the geothermal forced air heat pump for Stage 2.



## Features and Benefits:

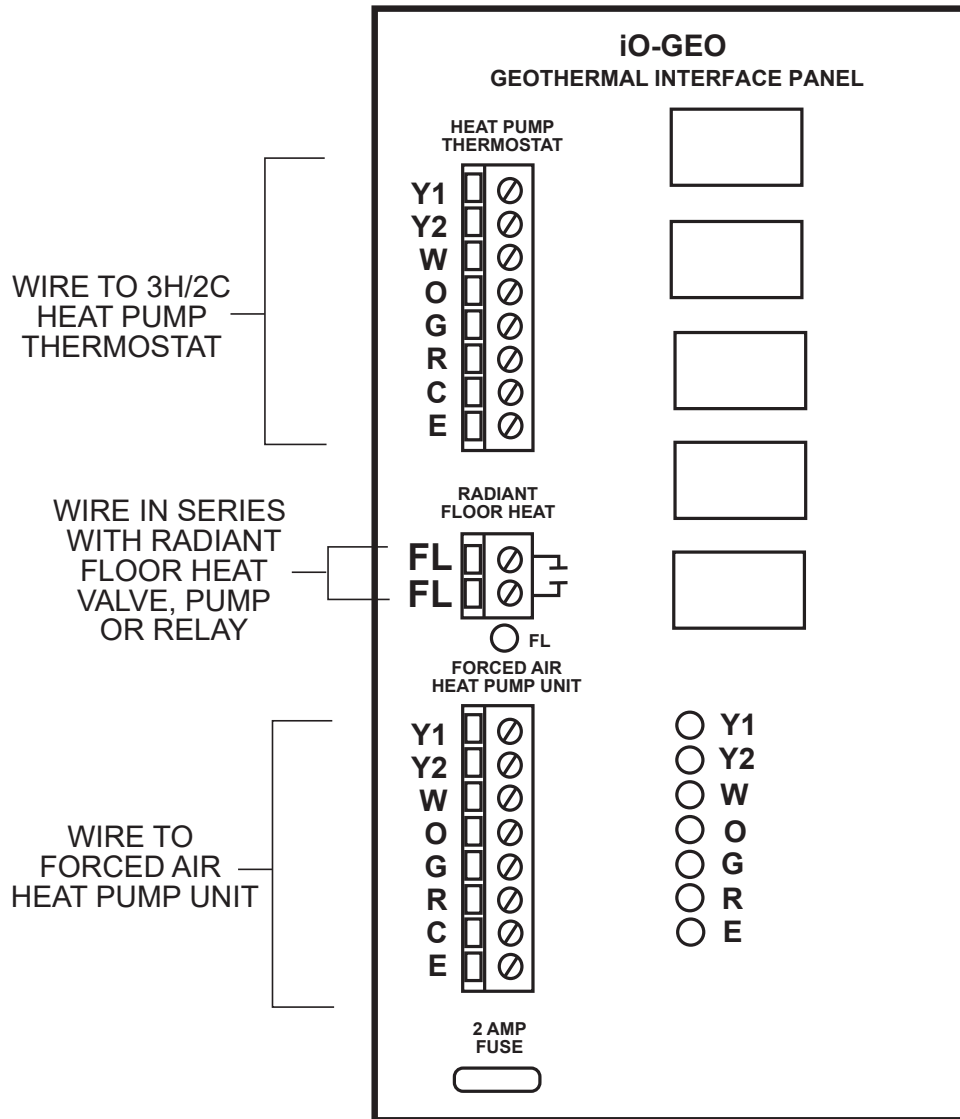
- Stages the radiant floor heat with the geothermal forced air heat pump
- Can be used with any 3H/2C thermostat
- Uses standard 18-gauge thermostat wire
- Saves hours of installation time
- Reduces installation cost
- Simplifies servicing the system
- Provides a clean, professional installation

**Warranty:** 5 years

## Specifications:

<b>Mounting</b>	Aluminum back plate with mounting holes
<b>Enclosure Dimensions</b>	8.00" Height x 6.00" Width x 1.50" Depth
<b>Input Voltage</b>	24VAC, powered by equipment transformer

## BOARD DIAGRAM



### Sequence of Operation:

#### Heating Mode

The GEO Panel interface panel is designed to control a radiant floor heating system and a forced air heat pump from a 3 stage heat / 2 stage cool thermostat. On a call for first stage heat, the panel will energize the radiant floor pump or valve by closing a set of dry contacts. The fan will also be brought on at the same time. The contacts are labeled 'FL' on the panel terminal strip. On a call for second stage heat, the panel will energize the first stage heat pump compressor. On a call for third stage heat, the panel will bring on the electric auxiliary heat. If the unit has a second stage compressor, it will not be used during the heat mode.

#### Cooling Mode

On a call for first stage cooling, the panel will energize the first stage heat pump compressor and fan. On a call for second stage cooling, the panel will energize the second stage compressor. The GEO Panel is for heat pumps that energize the reversing valve on a call for cooling (O).



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