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Geotility/Woodlands Creek Geothermal Home owner operation instructions:

1. Touch an button to get backlight on:
 - a. Display
 - i. Top left-reads actual room temperature
 - ii. Bottom left-Fan control display(see item #2)
 - iii. Top right-the current temperature setting, Heat or Cool (see item #4)
 - iv. Bottom Right-System mode-what are you asking the heat pump to do?(see item #3)
2. Fan Control-display bottom left.
 - a. Option #1-Fan in "Auto" setting. Fan will operate only when heating or cooling is required.
 - b. Option #2-Fan in "On" setting. Fan will run to circulate air 24hrs a day. Heating & cooling will operate automatically as per thermostat settings.
3. System Mode Options: Display bottom right.
 - a. Off-system off. (no heating or cooling)
 - b. Cool-only cooling will operate. Upper right display shows cooling set point. Set point is changed by using the up & down arrow buttons.
 - c. Heat-Only heating will operate. Upper right display shows heating set point. Set point is changed by using the up & down arrow buttons.
 - d. EM Heat-This will bypass the heat pump & only heat with the electric auxiliary heat strip.
 - e. Auto-this mode allows the heating & cooling to operate automatically between modes, depending on the room temperature & the thermostat settings. (ie: heat 20 22 & cool to 25C)
4. Adjusting Temperature settings:
 - a. Mode: "Heat"-showing under system on display use the up & down arrows to change set point.
 - b. Mode: "Cool"-showing under system on display use the up & down arrows to change set point.
 - c. Mode: "Auto"-showing under system on display use the up & down arrows to change set point. Note: that you will have to change back & forth between the heat & cool mode buttons to set the desired set point(s). Also note that when lowering the & raising the temperature the thermostat will not allow to move the cooling set point past the heating set point & visa versa.
 - d. Notes-"Auto"-set point display resets in 5 seconds. There also is a time delay between modes for compressor protection. Recommended temperature settings are 21C for heating & 25C for cooling. Settings should be left the same for day/night for electrical energy efficiency savings. Heating settings should be made in small increments to avoid auxiliary heat strip operation whenever possible.
5. Trouble shooting:

If heating & cooling is not functioning:

 - a. Make sure system I ser for what your are requesting the heat pump to do. (ie:-if heating is required –systems shows the heat or auto & the heat set point is above the room temperature. If cooling required-0System diplay shows cool or auto & the cooling set point is below the room temperature.
 - b. "Heat on" or "Cool on" should be in the display. If not change set points.
 - c. If the thermostat shows "Heat on" or "Cool on" & the system is still not functioning, turn your heat pump breaker off(labeled heat pump in your electrical panel) off. Wait for 1 minute & turn back on. The heat pump should turn back on within 10 minutes.
 - d. If heat pump starts but only runs for short time or does not heat or cool, call service provider.

Note: Change filter monthly(or as needed) for best performance & heat pump protection . Have the system inspected by a qualified Geothermal Service provider. (Please enquire for a Geo-care service maintenance program.)

Geotility Service Provider in this Area: West bay Mechanical Ltd.-250-478-8532
General enquiries rnelson@geotility.ca or 250-762-5776 ext 201