

GEOconnect Controls

The GEOconnect product line was developed to bring the power of MultiGEO to sites where security protocols prohibit remote access via a VPN. This product is fully self-contained and provides an immediate, real-time analysis directly to the user through the dashboard and Greensleeves staff will still provide an additional evaluation of the collected data.

GEOconnect Controls package provides the most comprehensive energy solution and control package available on the market today. This package is incorporated into the building automation system (BAS) and sends control signals to key parts of the system, including, but not limited to, ground heat exchanger (GHX), heat pumps, control valves, and closed circuit cooling tower (CCCT) components.

The result is a comprehensive system optimization that maximizes efficiency and reduces operating costs. This control package predicts future failures due to unforeseen conditions, like unusually long periods of hot or cold weather or changes in the building usage, and prevents damage from these conditions through system prioritization and equipment failure alerts to the BAS.

This proprietary and stand-alone system provides the Greensleeves' Controls without any of the building energy solutions and/or data going through the "Cloud" or otherwise being susceptible to other Internet risks.

What Greensleeves provides:

Greensleeves provides (for installation by the Direct Digital Control/DDC Contractor) a packaged control system for installation near the BAS that includes:

1. Pre-programmed controller (DS-1000 series) for the control and monitoring points as provided by the building owner.
2. Tracking, storing and analyzing the heat flux to/from the GHX.
3. Control of the applicable GHX pump, CCCT fan and/or spray pump. Multiple GHXs and/or CCCTs can be included at an additional fee.
4. One year warranty on parts and labor for the controller.
5. Remote Startup and Commissioning

What others provide:

1. Furnish and mount a NEMA enclosure for the Greensleeves' controller.
2. Receive, mount and provide field control wiring to/from the Greensleeves' controller.
3. Provide a secure Internet connection to the Greensleeves' controller for start-up, commissioning and data collection at a specified time only.
4. Provide temperature sensors and flow meters as required.
5. Be present during Greensleeves' remote controller start-up and commissioning.
6. Provide onsite field support to Greensleeves during warranty period. Greensleeves to diagnose issues via the Internet connection.