

Features/Benefits of the Roberts Gordon® UltraVac™ Controls

Controls for Modulating CORAYVAC® Infrared Heating Systems

Feature	Benefit
<ul style="list-style-type: none"> ▪ Continuous modulation of CORAYVAC® system between 100% and 60% of total rated input. 	<ul style="list-style-type: none"> ▪ Fuel savings by delivering only the input needed to satisfy building heat loss. ▪ Maximizes comfort by controlling intensity of heat, based on heat requirement. ▪ Continuous modulation (not staged modulation) allows for the closest control of system input and intensity.
<ul style="list-style-type: none"> ▪ System modulation by adjusting combustion air and fuel equally. 	<ul style="list-style-type: none"> ▪ Efficient, complete combustion throughout entire range of modulation.
<ul style="list-style-type: none"> ▪ Variable speed technology on pump motors. 	<ul style="list-style-type: none"> ▪ Drastically reduced electrical power consumption. ▪ Reduced pump noise levels. ▪ Soft start reduces stress on pump motor. ▪ Longer motor life. ▪ Reduced maintenance and repair costs.
<ul style="list-style-type: none"> ▪ One controller controls up to three zones with one pump. 	<ul style="list-style-type: none"> ▪ Zoning capability allows for maximum flexibility and fuel saving opportunities.
<ul style="list-style-type: none"> ▪ Multiple controllers connect to a single remote PC where data can be viewed and settings altered. 	<ul style="list-style-type: none"> ▪ Provides centralized energy management.
<ul style="list-style-type: none"> ▪ Modem communication package allows offsite status monitoring and system setting changes to multiple controllers. 	<ul style="list-style-type: none"> ▪ Provides centralized energy management for multiple offsite locations. ▪ Reduced installation and operation cost since a single phone line can service all the controllers in the same building.
<ul style="list-style-type: none"> ▪ Multi-featured zone sensors with digital temperature readout, customized setpoint adjustability and override feature. 	<ul style="list-style-type: none"> ▪ Provides localized control and temperature monitoring. ▪ User defined setpoint adjustability via PC allows the building owner control over setpoint tampering.
<ul style="list-style-type: none"> ▪ Zone Temperature Override. 	<ul style="list-style-type: none"> ▪ For random occupancy periods, user can override setback temperature to day temperature. Duration of override can be customized by user at the PC.
<ul style="list-style-type: none"> ▪ Outdoor Temperature Sensor. 	<ul style="list-style-type: none"> ▪ Provides monitoring of outdoor temperature.
<ul style="list-style-type: none"> ▪ Automatic Temperature Setback during unoccupied periods. 	<ul style="list-style-type: none"> ▪ Reduces fuel and electrical costs.

Feature	Benefit
<ul style="list-style-type: none"> ▪ Up to four customized occupancy periods for each heating zone each day of the week (7-day time clock). 	<ul style="list-style-type: none"> ▪ Maximizes fuel and electrical savings through precise control of system operation schedules.
<ul style="list-style-type: none"> ▪ Programmable Holiday Periods. 	<ul style="list-style-type: none"> ▪ Assures energy savings during unoccupied holidays.
<ul style="list-style-type: none"> ▪ ULTRAVAC™ PC Software. 	<ul style="list-style-type: none"> ▪ Easy viewing of programming screens and system status. Easy alteration of system settings. All adjustments can be made from one centralized location.
<ul style="list-style-type: none"> ▪ Comprehensive system status screen on PC software. 	<ul style="list-style-type: none"> ▪ Allows for continuous, easy to use, complete system monitoring.
<ul style="list-style-type: none"> ▪ Optional system status screen with graphics. 	<ul style="list-style-type: none"> ▪ Allows for continuous, easy to use, customized system monitoring with graphical representation of location of system components.
<ul style="list-style-type: none"> ▪ Up to 92-day history reporting of hours run for zones and pump. 	<ul style="list-style-type: none"> ▪ Allows tracking of system operation.
<ul style="list-style-type: none"> ▪ Up to 92-day history reporting of zone and outdoor temperatures. 	<ul style="list-style-type: none"> ▪ Allows tracking of heating zone conditions and weather conditions.
<ul style="list-style-type: none"> ▪ Detailed Installation and Operation manuals. 	<ul style="list-style-type: none"> ▪ Reduces installation time and errors; easier to troubleshoot and repair.
<ul style="list-style-type: none"> ▪ Building Management System Time Enable. 	<ul style="list-style-type: none"> ▪ Allows an existing Building Management System to control the day/night switching periods resulting in reduced programming time.
<ul style="list-style-type: none"> ▪ Vacuum Proving. 	<ul style="list-style-type: none"> ▪ As an extra safety precaution, the pressure switch at the pump must prove in both open and closed positions. This feature disables the heater if pressure switches have been tampered with.
<ul style="list-style-type: none"> ▪ UL certified. 	<ul style="list-style-type: none"> ▪ Independent testing to industry quality standards.



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