UltraVac™
Controls for Modulating CoRayVac®
Infrared Heating Systems

- Proper burner modulation by varying vacuum and adjusting gas and combustion air.
- Fuel savings by modulating burner input rate with outdoor air temperature to match system input to building heat loss.
- Localized control through multi-feature zone temperature sensor.
- Total heating system management through PC-based software package.
- Remote system management provided by optional modem.

CUT ENERGY BILLS BY UP TO 50% WITH ROBERTS GORDON®
www.rog-inc.com

Quality in Any Language™
<table>
<thead>
<tr>
<th>Weight, Lbs. (Kg.)</th>
<th>ULTRAVAC™ CONTROLLER</th>
<th>VARIABLE FREQUENCY DRIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>17.5 [7.9]</td>
<td>15 [6.8]</td>
</tr>
</tbody>
</table>

**Electrical Rating Input**
- 120V AC, 60Hz, 1ph, 25A
- 15 [6.8]

**Output**
- 120V AC, 60 Hz, 1 ph, 3 A (each relay)

**Material**
- 14 Gauge Steel
- 14 Gauge Steel

**ROBERTS GORDON® ULTRAVAC™ Controller**
- Modulates CORAYVAC® System firing rate continuously (not staged) between 60% and 100% of total designed firing rate.

<table>
<thead>
<tr>
<th>Number of Controllable Zones</th>
<th>3 (1 pump)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Zones with 7 Day Time Clock</td>
<td>3</td>
</tr>
<tr>
<td>Pump Paving</td>
<td>Yes</td>
</tr>
<tr>
<td>Post Purge</td>
<td>Yes</td>
</tr>
<tr>
<td>Building Management System (BMS) Enable/Disable</td>
<td>Yes</td>
</tr>
<tr>
<td>PC Interface (Required)</td>
<td>Yes (Software and Hardware Included with Central Controller), PC supplied by others</td>
</tr>
<tr>
<td>Modern</td>
<td>Optional with Central Controller</td>
</tr>
<tr>
<td>LAM Interface Module</td>
<td>Optional with Central Controller</td>
</tr>
<tr>
<td>Warranty</td>
<td>Three-Year Limited (Refer to Installation, Operation and Service Manual for Details)</td>
</tr>
<tr>
<td>Approvals</td>
<td>UL 916/C22.2 No. 205-M1983</td>
</tr>
</tbody>
</table>

**Software**
- Temperature Units: °F or °C
- Temperature Settings: Occupied Setpoint and Setback Setpoint
- Customized On Screen Zone Identification: Yes
- Display of Zone Temperature: Yes (Setpoint, Setback and Actual)
- Display of Outdoor Temperature: Yes
- Display of Zone Status (On/Off): Yes
- Display of Pump Status (On/Off): Yes
- Display of Pump Speed (Speed): Yes (60-100%)
- Display of Pressure Switch Status (On/Off): Yes
- Display of BMS Enable Status (On/Off): Yes
- Zone Setback Override Feature: Yes (User Customized Duration)
- Number of Occupied Periods Per Day: Up to 4 Periods/Zone
- Number of Programmable Holidays: 25
- Data Monitoring Record (Temperature, Zone Hours Run and Pump Hours Run): Custom Recording (Up to 92-Day Record, 15-minute, 30-minute or 60-minute Intervals)
- Dial Out Pager Alarms: 8 Alarms with Custom Text Messaging (Modem Required)
- Zone Temperature Sensors: One Required per Zone
- LCD Air Temperature Displays: Yes
- Temperature Units: °F or °C
- Setpoint Adjustment: Yes (User Customized Range of Adjustment)
- Setback Override Button: Yes (User Customized Duration)

**Installation Code and Annual Inspections:**
All installations and service of ROBERTS GORDON® products must be performed by a contractor qualified in the installation and service of products sold and supplied by Roberts-Gordon and conform to all requirements set forth in the ROBERTS GORDON® manuals and all applicable governmental authorities pertaining to the installation, service and operation of the equipment. To help facilitate optimum performance and safety, Roberts-Gordon recommends that a qualified contractor annually inspect your ROBERTS GORDON® products and perform service where necessary, using only replacement parts sold and supplied by Roberts-Gordon.

**Further Information:** Applications, engineering and detailed guidance on systems design, installation and product performance is available through ROBERTS GORDON® representatives. Please contact us for any further information you may require, including the Installation, Operation and Service Manual.

**This product is not for residential use.**

This document is intended to assist licensed professionals in the exercise of their professional judgement.

© 2007 Roberts-Gordon, LLC. All rights reserved. No part of this work covered by the copyrights herein may be reproduced or copied in any form or by any means -- graphic, electronic, or mechanical, including photocopying, recording, taping, or information storage and retrieval systems -- without written permission of Roberts-Gordon, LLC.