



- Maximized fuel savings through self-learning optimization - Controller will optimize the start up to meet the target temperature precisely at the beginning of every occupancy period
- Reduced installed cost - Capable of controlling multiple zones & pumps from one controller
- Centralized energy management - View conditions and alter settings for multiple zones from one central location
- Design flexibility - Capable of controlling the complete range of ROBERTS GORDON® infrared heating products

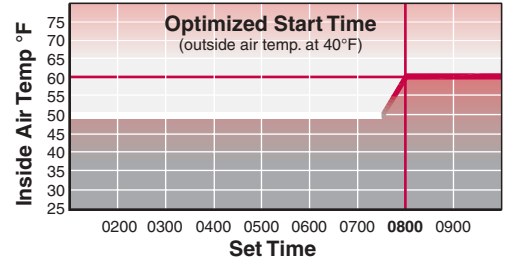
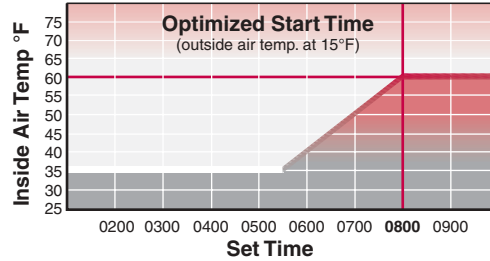
ROBERTS GORDON® BZC 700 Controller

Patented # 6,505,099

**The Cutting Edge Building Zone Controller for
ROBERTS GORDON® Infrared Heating Equipment**

Minimized Heating Cost

Self Learning Optimization ensures that ROBERTS GORDON® BZC 700 Controller 'learns' the building heat loss characteristics. It starts the heating cycle in each zone separately with precisely the right lead time for each zone to be up to temperature on occupancy - but not before so valuable fuel is not wasted on empty spaces.



Model	BZC 700
Height (In.)	7.9"
Width (In.)	11.4"
Depth (In.)	2.4"
Weight (Lbs.)	3.5
Electrical Rating	120V, 50/60 HZ. or 230V, 50/60 HZ., 1 Phase, 20 Amps Maximum
Material	ABS Plastic - UL 94-5VA
LCD Display (Character x Rows)	40 x 2
Number of Controllable Zones*	
Unitary - GORDONRAY® BH, GORDONRAY® NP, CARIBE® and VANTAGE® TF	7
Unitary - VANTAGE® II & HE (with additional Load Relay per Zone)	7
CORAYVAC® and VANTAGE® EV (with Load Relay - EP-100, 201 and 301)	5 (4 Pumps), 6 (3 Pumps), 7 (2 Pumps)
Electronic Sensors	Each Zone Employs an Air Sensor
Digital Switching Relays - Rated for 4.4 Amps Maximum	9
Digital Inputs (12V DC)	8
Date Format Selection	Display as either mm/dd/yy or dd/mm/yy
Temperature Units	Centigrade or Fahrenheit
Number of Zones With 7 Day Time Clock	7
Temperature Settings	Two (One Day and One Night Setback)
Number of Switching Periods Per Day	4
Number of Zones With Self Learning Optimization	7
Frost Protection	Yes
Number of Holiday Periods	5
Override Facility	Yes
Security Coding	Yes
Temperature Monitoring Record	15 Minute Intervals for 24 Hour Period
Hours Run Monitoring Record	Each Week per Zone - Retained for 4 Weeks Maximum
Battery Backup	10 Year
Customized On Screen Zone Identification	Yes
Display of Current Set Point Temperature	Yes
Display of Heater Status (On/Off)	Yes
Pump Trip Identification	Yes
Fire Safety Shut Off	Yes
Building Management System Time Enable	Yes
Fan Proving	Yes - CORAYVAC® Only
Post Purge	Yes - CORAYVAC® and VANTAGE® EV Only
12 Volt Supply for Low Voltage	Yes
Warranty	Three-Year Limited (Refer to Installation and Operation Manuals for Details)
UL	UL873 (Investigation # E193930; 98ME62559)
CE	BS EN 61000-4-2; DD ENV50140; EN61000-4-4; EN61000-4-5, EN55022; DD ENV50141

*For complete design criteria, see the ROBERTS GORDON® BZC 700 Controller Installation and Operation Manuals.

Installation Code: ROBERTS GORDON® products are to be installed only in accordance with local laws, codes and regulations, and only by a contractor qualified in the installation and service of gas-fired heating equipment. **This product is not for residential use.**

Further Information: Applications, engineering and detailed guidance on systems design, installation and product performance is available through ROBERTS GORDON® North American independent distributors. Please contact us for any further information you may require, including the ROBERTS GORDON® BZC 700 Controller Installation and Operation Manuals.

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