

ROBERTS GORDON®

NRG Control

The Energy Saving Control for ROBERTS GORDON®
Infrared and Warm Air Heating Equipment



- Maximised fuel savings through self-learning optimisation - the controller varies the heating start-up time to ensure that the building comes up to the required temperature precisely at the beginning of every programmed "on" period.
- Secure - coded entry required to access programming features.
- Design flexibility - capable of controlling the complete range of ROBERTS GORDON® warm air and unitary radiant heating products.
- Easy to install - built in sensor means no extra wiring.
- Installation flexibility - three remote sensor options available.

**ROBERTS GORDON® NRG Control**

Part Number	D261	
Height	(cm)	15.5
Width	(cm)	19.8
Depth	(cm)	6.2
Weight	(kg)	0.95
Electrical Rating	230 V, 50 Hz, 1 Ø Relays Rated at 10 A Resistive/7 A Inductive	
Material	ABS Plastic	
IP Rating	20	
LCD Display	(Characters x Rows)	16 x 2
Number of Controllable Zones	1	
Maximum Number of Heaters Per Zone:	1 (Or Up To 4 With Appropriate Interface Relays)	
Warm Air	10	
BLACKHEAT® Unitary Radiant Systems and Plaque Heaters	10	
Multi-burner System Burners on One Zone	10	
CORAYVAC® System Burners on One Zone with a Pressure Switch	3	
Number of On/Off Periods Per Day	Yes	
Built-in Temperature Sensor	Optional (Up To Two Which Will Average)	
Remote Sensor	Yes	
Sensor Calibration Facility	Yes	
Burner Control Options		
ON/OFF	Yes	
Two Stage High/Low	Yes	
Modulating 0 - 10 V DC Signal	Yes	
Network Capability	Yes (Via Two Wire Belden 8451 Cable)	
Maximum Number on Network	32	
Access to Read and Change Settings from Remote Units	Yes	
Override Facility Available for Remote Units	Yes	
Operate as Stand Alone Control	Yes	
Self Learning Optimisation	Yes	
Selectable Optimum Start	Yes (On/Off)	
Selectable Night Set-back Temperature	Yes	
Security Code Access	Yes	
Override Facility	Yes	
Languages	English, French, German, Italian and Dutch	
Battery Back-up	3 Years	
Warm Air Functions		
Manual and Automatic Summer Fan Option	Yes	
Fan Constant Run During Timed On	Optional	
Heater Lockout Indication and Lockout Reset	Yes (Where Available At Heater)	
Radiant Heating Functions		
ON/OFF Operation	Yes	
Heater Lockout Indication and Lockout Reset	Yes (Where Available At Heater)	
Fan Proving, Pre-purge, Post Purge	Optional	
Automatic Daylight Saving Time Change	Optional (European Dates)	
Display of Current Temperature*	Yes	
Display of Current Time and Date**	Yes	
Display of Current Heater Status*	Yes	
Display of Current Period (DAY/NIGHT)**	Yes	

* Shown on the Normal (Run) Screen ** Shown on the Information Screen INFO button toggles between these two screens

Approvals:

CE

BS EN 61000-4-2; DD ENV 50140; EN 61000-4-4;
EN 61000-4-5; EN 55022; DD ENV 50141

Installation Code and Annual Inspections: All installations of ROBERTS GORDON® products must be performed by an electrician qualified in the installation and service of control systems for heating equipment and conform to all requirements of all applicable governmental authorities pertaining to the installation and operation of the equipment. For optimum performance and safety, Roberts-Gordon recommends that a qualified contractor annually inspect your ROBERTS GORDON® products and perform services where necessary, using only ROBERTS GORDON® replacement parts.

Further Information: Applications, engineering and detailed guidance on systems design, installation and product performance is available through Roberts-Gordon. Please contact us for any further information you may require, including the ROBERTS GORDON® NRG Control Installation & User Manual.

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