

NRG CONTROL

The Energy Saving Control for **RADIANT SERVICES™ 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 RADIANT SERVICES™ warm air and unitary radiant heating products.
- Easy to install - built in sensor means no extra wiring.
- Installation flexibility - three remote sensor options available.



Call: +44 (0) 121 556 4495
www.radiantservices.co.uk

RADIANT SERVICES™ NRG CONTROL

Model	D268	
Height	(mm)	155
Width	(mm)	198
Depth	(mm)	62
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	(Character x Rows)	16 x 2
Number of Controllable Zones	1	
Maximum Number of Heaters Per Zone:		
Warm Air	1 (Or Up To 4 With Appropriate Interface Relays)	
RADIANT SERVICES™ BH Unitary Radiant Systems	10	
Multi-burner System Burners on One Zone	10	
RADIANT SERVICES™ CRT System Burners on One Zone with a Pressure Switch	10	
Number of ON/OFF Periods Per Day	3	
Built-in Temperature Sensor	Yes	
Remote Sensor	Optional (Up To Two Which Will Average)	
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 ENV50140; EN61000-4-4; EN61000-4-5; EN55022; DD ENV50141

Installation Code and Annual Inspections:

All installation and service of RADIANT SERVICES™ equipment must be performed by a contractor qualified in the installation and service of equipment sold and supplied by Radiant Services Limited and conform to all requirements set forth in the RADIANT SERVICES™ manuals and all applicable governmental authorities pertaining to the installation, service and operation of the equipment. To help facilitate optimum performance and safety, Radiant Services Limited recommends that a qualified contractor conduct, at a minimum, annual inspections of your RADIANT SERVICES™ equipment and perform service where necessary, using only replacement parts sold and supplied by Radiant Services Limited.

Further Information:

Applications, engineering and detailed guidance on systems design, installation and equipment performance is available through RADIANT SERVICES™ representatives. Please contact us for any further information you may require, including the Installation, Commissioning, Operation and Service Manual.

These products are not for residential use.

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

Radiant Services Limited

Unit A, Kings Hill Business Park
Darlston Road, Wednesbury
West Midlands WS10 7SH UK

Telephone: +44 (0) 121 556 4495

Fax: +44 (0) 121 556 8142

www.radiantservices.co.uk

© 2009 Radiant Services Limited

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 Radiant Services Limited.