

Combat NRG Control



The Energy Saving Control for Combat, Blackheat and CoRayVac 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 **Combat[®]** warm air and **Blackheat[®]** unitary radiant heating products.
- Easy to install - built in sensor
- Installation flexibility - three remote sensor options available.

Model		D268
Height	(mm)	155
Width	(mm)	222
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)
BLACKHEAT® Unitary Radiant Systems		8
Multi-burner System Burners on One Zone		8
CORAYVAC® System Burners on One Zone with a Pressure Switch		8
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 COMBAT® equipment must be performed by a contractor qualified in the installation and service of equipment sold and supplied by Combat HVAC Ltd and conform to all requirements set forth in the COMBAT® manuals and all applicable governmental authorities pertaining to the installation, service, operation and labeling of the equipment. To help facilitate optimum performance and safety, Combat HVAC Ltd recommends that a qualified contractor conduct, at a minimum, annual inspections of your COMBAT® equipment and perform service where necessary, using only replacement parts sold and supplied by Combat HVAC Ltd.

Further Information: Applications, engineering and detailed guidance on systems design, installation and equipment performance is available through COMBAT® representatives. Please contact us for any further information you may require, including the Installation, Commissioning, 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 judgment.

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