



Ecosmart Boxer

Air Handling Units with Electric Heater

A guide to adjusting Electric Heater output Installation Guide

CE The EMC Directive 89/336/EEC
With modification 92/31/EEC
The Low Voltage directive 73/23/EEC

ecosmart
energy saving control

IMPORTANT:

Isolate the unit from electrical supply
before removing any panels

Each unit is supplied with the maximum heater KW configuration i.e.

ESBS1-E at 18KW	12KW and 18KW
ESBS2-E at 24KW	18KW, 12KW and 6KW
ESBS3-E at 27KW	18KW and 9KW
ESBS4-E at 36KW	27KW, 18KW and 9KW
ESBS5-E (and above) -E 54KW	36KW, 27KW, 18KW and 9KW

The heater element outputs can be reduced to:

Method

This work should only be undertaken by a suitably qualified person.

Release the four bolts retaining the heater section side cover and remove the side completely to expose the control and heater element terminals.

Determine the number of heater elements required, each element is 2KW on the sizes 1 and 2 and 3KW on sizes 3 and above.

- Remove the phase supply strap of each phase and cut according to the reduction required
- Ensure that phase balance is maintained by removing an equal number of elements from each phase
- Ensure that phase line wires are re-connected to the correct terminals
- Reinstate in reverse order

Figure 1. A typical element arrangement and rearrangement is:

