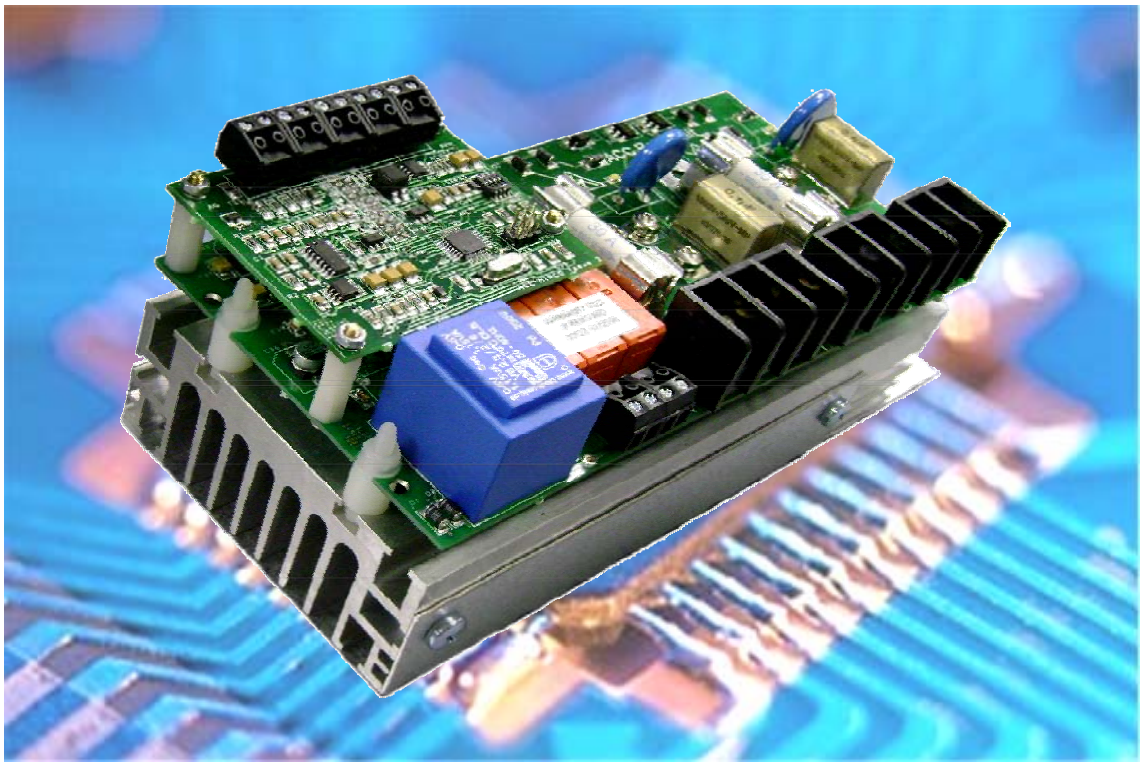
Technical Bulletin.

SMARTELEC

ENERGY SAVING CONTROL

Software Change Notification



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WARNINGS

1 This appliance must only be installed by a competent person in accordance with the requirements of the Codes of Practice or the rules in force.

General information.

The SmartElec control system can be used in conjunction with Airbloc AC and ACR air curtains. The unit rapidly pulses energy to the heating elements. This combined with the inbuilt intelligent sensor control, maintains a fixed outlet temperature, thereby reducing energy consumption as compared to an air curtain without the SmartElec control.

The SmartElec consists of a base unit (installed within the air curtain) and a program panel that can be installed remote from the air curtain. Usually, the program panel is mounted at a low level from the air curtain for user access.

SmartElec was updated at the end of 2007 to incorporate networking of up to 16 air curtains from a single program panel. Each air curtain in the network must have a unique address (0-15), which is achieved using the 4 way DIL switch mounted on the base unit PCB.

The updated software issue can be identified by the serial number located on a white label attached to three orange relays on the main pcb board (see fig.1). Dismissing the first set of numbers prior to the dash (-), the updated software is on units with serial numbers ***greater* than 8051001**.

This bulletin explains the software change and to which Air Curtains are affected by this update.

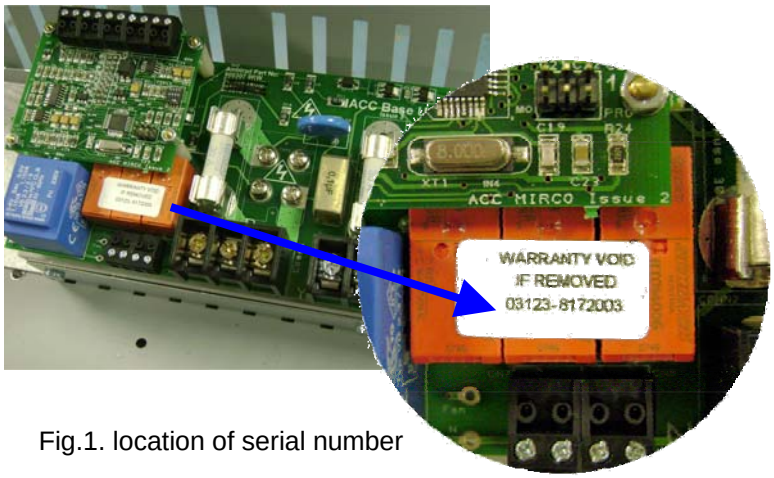

Fig.1. location of serial number

Symptoms and diagnostics.

The SmartElec system will only operate in a network configuration when correctly configured in accordance with the Instruction manual and utilising *ONLY* SmartElec's with the updated software.

A network system *WILL NOT OPERATE* with SmartElec's manufactured prior to the serial number shown above or with any combination.

The most common symptom of this apparent failure is if 'a1' appears or flashes on the display of the program panel for a certain air curtain on the network. The air curtain will continue to run on fan only but will not adjust to any changes made on the panel.

Corrective action.

If this symptom appears, firstly check the serial numbers of ALL base units within the network.

If one or more of the units have a serial number ***less* than 8051001**, call our dedicated service department on the telephone number shown below for further advice and action to remedy the situation.

If the serial numbers are ***greater* than 8051001**, and the symptom is still present, there could potentially be a different fault with the network set up. Refer to the fault finding section of the O&M instruction manual which came with the air curtain or download the guide from our technical support database by going to www.s-i-d.co.uk or call our technical helpline for further assistance.

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