



# ES-VF Volt Free Relay Box Installation Guide

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



## ES-VF Volt Free Relay Box

This relay box has been designed to be compatible with the ECOSMART system. The unit is supplied with a pre-plugged IO-metre length of communications cable. Longer lengths are available if required. The unit operates with safe extra low voltage (SELV) with power supplied from the fan unit via the communications (data) cable.

## Data cable installation

Do not run the data cable in the same conduit as the mains cables and ensure that there is a 50mm separation between the data cable and other cables. The maximum cable run between any two devices is 300m when it is installed in accordance to the instructions.

## Installation

Remove the plastic cover and mark through the fixing hole positions onto the mounting surface. Drill and secure the unit using appropriate wallplugs, screws etc.

Select the operating mode of the unit by setting the DIL switch.

## Maintenance

The unit does not require any maintenance. However, for optimum performance, it is advisable to remove any accumulated dust with a low power vacuum cleaner.

NOTE: Installation and Maintenance of the equipment must be as directed in the instructions provided with the unit.

## Warranty

The 5 year warranty starts from the day of delivery and includes parts and labour for the first year. The remaining 4 years covers replacement parts only.

Figure 1. Volt Free Contacts and connections.

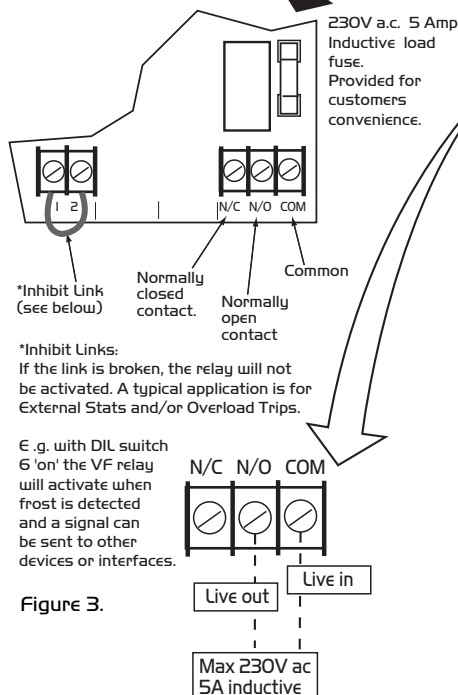


Figure 3.

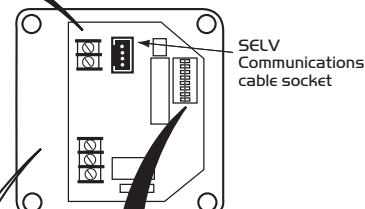
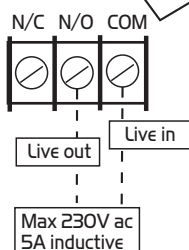
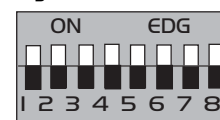


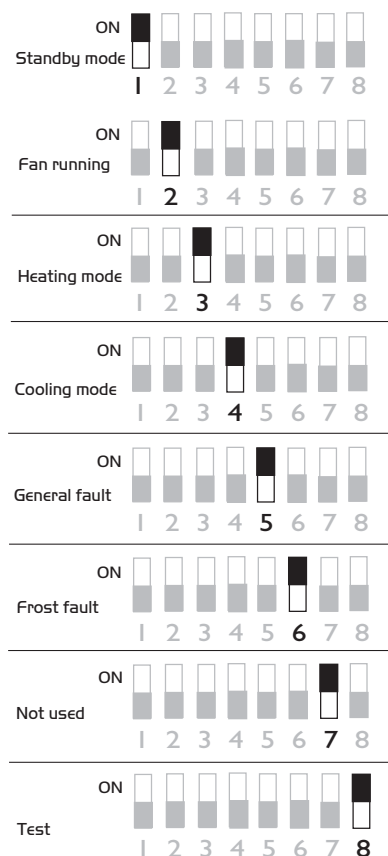
Figure 2.



DIL switches OFF = No response

## DIL Switch settings

Relay is active on the action below



NOTE: If more than one DIL switch is in the 'ON' position, the relay will activate if any of the selected conditions applies. Relay ON if switch is selected

The labour element of the warranty is subject to full, free and safe access to the equipment as recommended by CDM regulations.

## Service Enquiries

Nuaire can assist you in all aspects of service. Our service department will be happy to provide any assistance, initially by telephone and if necessary arrange for an engineer to call.

**Telephone 029 2085 8585**  
**Fax 029 2085 8586**

Technical or commercial considerations may, from time to time, make it necessary to alter the design, performance and dimensions of equipment and the right is reserved to make such changes without prior notice.