



# OPUS100/150-VF Volt Free Relay Box Installation Guide

## OPUS100/150-VF Relay Box

This relay box has been designed to be compatible with the OPUS 100/150 and MEV range of fans to give volt free status indication when interfaced with other controls or devices i.e. BMS. The unit is supplied with a pre-plugged 10-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.

Offer the electrical wiring via the desired glanding hole.

## Electrical connections

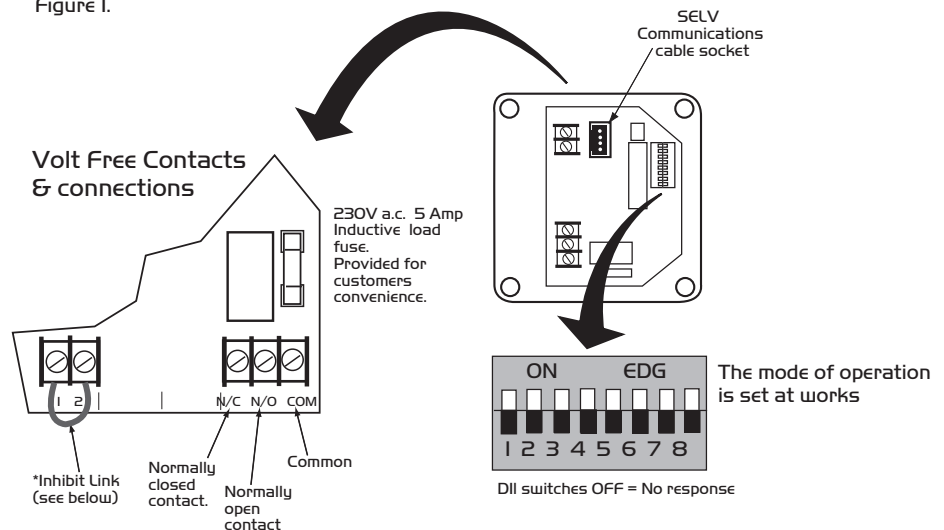
Plug the data cable into the SELV socket, connect the 'changeover relay' or 'inhibit' terminals to the BMS or device to receive the signal.

## 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.

Figure 1.



\*Inhibit Links:  
If the link is broken, the relay will not be activated.  
A typical application is for External Stats and/or Overload Trips

## DIL Switch settings

Relay is active on the action below



NOTE:

All other DIL Switch set to off.

## Warranty

The 3 year warranty starts from the day of delivery and includes parts and labour for the first year.

The remaining 2 years covers replacement parts only.

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

This warranty is void if the equipment is modified without authorisation, is incorrectly applied, misused, disassembled, or not installed, commissioned and maintained in accordance with the details contained in this manual and general good practice.

The product warranty applies to the UK mainland and in accordance with Clause 14 of our Conditions of Sale. Customers purchasing from outside of the UK should contact Nuair International Sales office for further details.

## After Sales Enquiries

For technical assistance or further product information, including spare parts and replacement components, please contact the After Sales Department.

**Telephone 02920 858 400**

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.