C.F.Whaler Ltd.

For over 40 year's C.F.WhalerLtd. have specialised in the design, manufacture and installation of state of the art electrical and electronic control systems and equipment for agriculture and industry.

The company offers large comprehensive range of standard manufactured products to satisfy the majority of environmental control requirements, and a service to build to customers specific requirements.

C.F.Whaler Ltd., also offer a consultancy service, based on engineers considerable knowledge and expertise in resolving the many environmental problems associated with intensive livestock production units.

WHALER PRODUCT RANGE

- Fan Speed Controllers.
- Automatic Fan Controllers with switched Heater Interlocks.
- Electronic Sequential fan Controllers.
- PRESCON 2 Digital Air-Pressure controller.
- Lighting Control Systems.
- Total Refurbishment Programmes.
- Maintenance Contracts.

C.F.Whaler Ltd.

- **WHALER MICROLIGHT** "Dawn to Dusk" Conrols
- High and Low Temperature Alarms
- Supply failure Alarms
- Alarm Monitoring Systems
- Magnetically Held Door Control Systems
- MICRO-STAT Digital Thermosat.
- MICRO-TIMER Digital Cycle Timer.
- Transducers, Sensors and Thermostats.
- Vent Drive Motors/ linear Actuators and Power Supplies
- STICK Microcomputer Total Environment Controller

For further details of any product or service please do not hesitate to contact us:-

Bridge Works, Horncastle Road
Wragby, Lincoln LN8 5RB
Tel: 01673 857575
Fax: 01673 857788

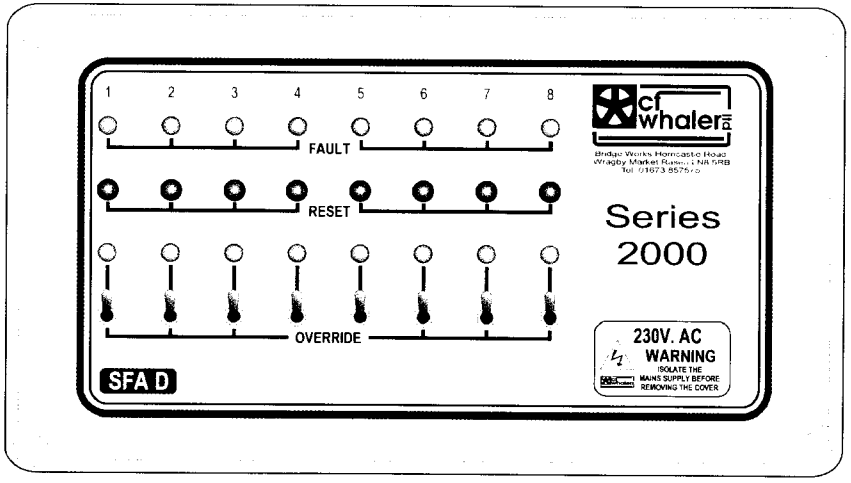
cf whaler ltd

Ventilation Engineers
and
Controlled Environment
Specialists

SFA D

8 WAY SUPPLY FAILURE ALARM DISTRIBUTION SYSTEM

PLEASE READ IMPORTANT INFORMATION



C.F.Whaler Ltd

Bridge Works Horncastle Road
Wragby Market Rasen LN8 5RB
Tel: 01673 857575
Fax: 01673 857788

HEALTH AND SAFETY AT WORK

DANGER
ELECTRIC SHOCK RISK

ELECTRIC DEVICES CAN CONSTITUTE A SAFETY HAZARD

It is the responsibility of the user to ensure that the installation and maintenance of the product are carried out in strict compliance with any relevant instructions, regulations, codes of practice or bylaws in force.
This equipment should only be installed and commissioned by appropriately qualified personnel who have read and fully understood this users manual. If in doubt contact your supplier or C.F.Whaler Ltd. for technical advice.
Every care has been taken to ensure that the contents of this instruction booklet are accurate , however no liability is accepted for any consequence of its use.
The manufacturers reserve the right to revise the product specification and other technical features resulting from improvement and continual development.

SFA D SPECIFICATIONS

Supply .....230v 50hz -6% +10% 1.5va.
Supply ON[no fault] ....Output Relay Energised
Reset Push Button ..... One for each Channel
Override Switches .....One for each Channel
Channel Fault Detection..... Channel input Open Circuit
Channel Fault Indication.....Channel Upper LED Illuminated
Channel Override Operating.....Channel Lower LED Illuminated
Output Relay Contacts.....5A 30v d.c. / 230v a.c. 50 hz
Number of Input Channels.....8 Channels

DESCRIPTION

The SFA D 8-way Supply Failure Alarm Distribution System provides eight individual channels of detection for various devices that become open circuit when a dangerous condition occurs. This unit can be used in association with thermostats and switches to detect high and low temperatures, public electricity supply failures, food and drinking water supplies etc:-
Each fault detecting device is connected between a particular input channel and the common termination in such a manner that when an emergency occurs, the input channel goes open circuit. To prevent any operational confusion, all channels not in use should be connected to the common. (See diagram below)
When for example, an over temperature occurs within a building, causing thermostat contacts to open, the relevant channel upper LED will be illuminated on the front panel. Also the output relay becomes de-energised causing the relay normally open contacts to open. This contact as the diagram indicates can be used to activate an alarm system.
If the mains supply to the unit fails , this will cause the output relay to be de-energised.

To override any given channel input the override switch is in the down position which causes the lower LED for that channel to be illuminated . If a fault should occur on that channel it will not effect the system operation.

To RESET the unit after a given channel fault has been rectified, the system is reactivated by pressing the re-set button relevant to that channel.

SFA D SYSTEM CONNECTION