

## C.F. Whaler Ltd.

For over 40 years C.F. Whaler Ltd. 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" Controls
- ☐ High and Low Temperature Alarms
- ☐ Supply failure Alarms
- ☐ Alarm Monitoring Systems
- ☐ Magnetically Held Door Control Systems
- ☐ MICRO-STAT Digital Thermostat.
- ☐ 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:-

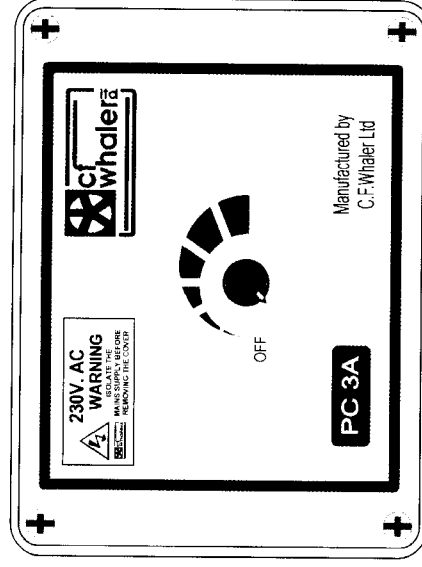
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Ventilation Engineers  
and  
Controlled Environment  
Specialists

# Power Controller PC 3A

PLEASE READ IMPORTANT INFORMATION



## C.F. Whaler Ltd

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# 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.

## PC3A SPECIFICATION

Supply Input	230v 50Hz. +10%-6% 0.7VA
Minimum output	Adjustable 0 -100%.
Supply Input Fuse	5 Amp (Type T) Fuse
Supply output	0 - 230v 0.7kva
Maximum output current	3A
Output control	Variable or Maximum

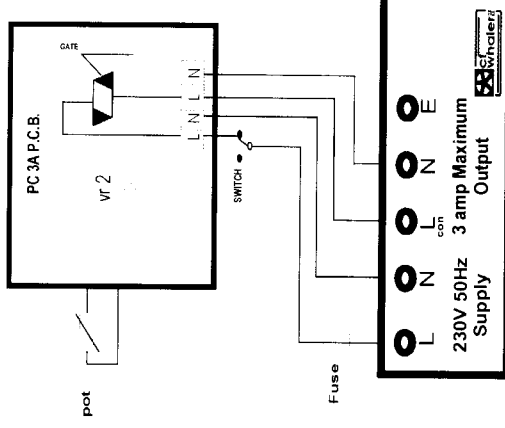
## DESCRIPTION

The PC3A power controller designed and manufactured by C.F.Whaler Ltd. Provides an economical method of producing a variable voltage output that may be used for the control of fan speed, dimming of tungsten bulbs or varying heater output power.

The units output voltage is controlled by simple circuitry that is employed to trigger - on the power semiconductor device for aspecified period each half cycle of the A.C. Mains supply. By increasing the delay time before triggering, the power device reduces the voltage applied to the load and therefore the lamp is dimmed or the heat is reduced.

The actual illumination level is simply adjusted by the potentiometer (Variable resistor) mounted on the front cover. There is also a switch on the potentiometer so that the output can be switched off.

The minimum illumination or can be set by the blue pot marked(vr2) on the p.c.b. Mounted inside the panel, this must be set by the user if being used as a fan controller to prevent damage to the fans. C.F.Whaler Ltd accept no responsibility if the minimum speed is not correctly set.



If you require any further assistance with any aspect of this controller please contact us