

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:-

Bridge Works, Horncastle Road

Wragby, Lincoln LN8 5RB

Tel: 01673 857575

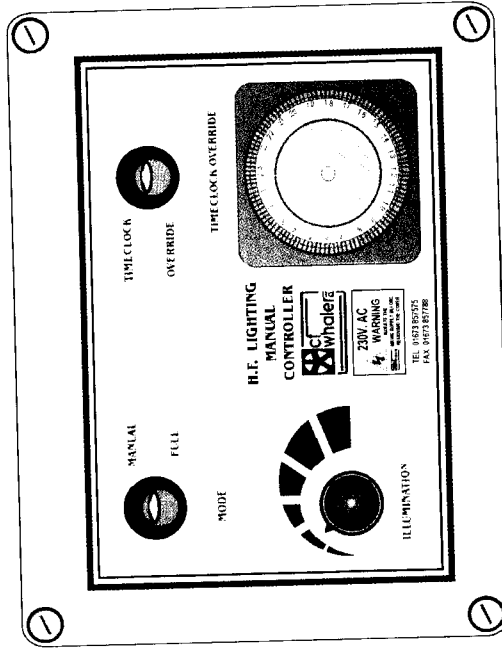
Fax: 01673 857788



Ventilation Engineers
and
Controlled Environment
Specialists

H.F. LIGHTING MANUAL CONTROLLER

Please read important information



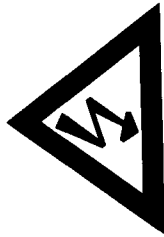
C.F. Whaler Ltd

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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.

LIGHTING MONITOR SPECIFICATIONS

Supply	230v 50hz -6% +10% 2KVAva.
Minimum Output.....	Adjustable 0-100%.
Supply Input Fuse	16A (Type) Fuse.
Maximum Output Current	8A
Output Control	Variable or Maximum.
Time Settings.....	Time clock with 15min (minimum)

DESCRIPTION

The H.F. Lighting (manual) controller designed and manufactured by C.F.Whaler Ltd. To operate on a 230v 50 Hz supply to control HIGH FREQUENCY fluorescent ONLY. The unit employs a time-clock so that the output can be switched on and off as required. The time-clock fitted is easily set by simply pressing in the segments for output ON and pulling out for output OFF, This particular time-clock minimum on or off times is 15 minutes.

Once the time-clock has reached the ON time and the control switches are switched to MANUAL (left hand)(MODE) and TIME-CLOCK (right hand)(TIME-CLOCK OVERRIDE) the output may be varied from 0 to 100% using the ILLUMINATION dial, Once the controller has been set to the desired illumination level, it will remain at this level until the time on period has expired.

MODE SWITCH

In order for the lighting controller to be controlled the mode switch must be in the MANUAL position, This switch in the FULL position is used to bring the output to maximum and therefore bring the H.F. Lights to full brilliance without make any adjustments to the Illumination Dial.

TIME-CLOCK

The time-clock minimum setting is 15 Minutes four segments per hour.
Two ON periods and Two OFF periods per hour.
Segments IN = ON
Segments OUT = OFF

WIRING DIAGRAM

