



**ACME ENGINEERING &
MANUFACTURING CORP.**
P.O. Box 978
Muskogee, OK 74402
Phone: 918/682-7791
Fax: 800/382-2263
acmeag@acmefan.com

**CONTROLS
PP - 16 VS2**

KOOLMASTER® PP - 16 VS2

**16 RELAY OUTPUTS
2 VARIABLE SPEED OUTPUTS**

**8 HEATING STAGES
16 COOLING STAGES**



ENVIRONMENTAL MANAGEMENT SYSTEM

Acme PP - 16 VS2 automatically provides control of temperature and circulation with state of the art technology.

APPLICATIONS

- STAGED ENVIRONMENTAL CONTROL
- VARIABLE SPEED VENTILATION
- TUNNEL AND NATURAL COOLING
- POSITION FEEDBACK INLET CAPABILITY

BENEFITS

- RUGGED LONG LIFE
- EASY TO SET UP
- EASY TO RUN
- EASY TO INSTALL

FEATURES

- LCD DISPLAY
- MINIMUM VENTILATION CYCLE
- TEMPERATURE AND VENTILATION BY GROWTH DAY
- UP TO 60 DAYS OF HISTORY
- WATER MONITORING
- ALARM MANAGEMENT
- HUMIDITY COMPENSATION
- UP TO 8 TEMPERATURE SENSORS
- STATIC PRESSURE OR POSITIONAL INLET CONTROL
- PC COMPUTER CONTROL
- POWER UP SEQUENCING
- EASY PROGRAM SHARING

DESCRIPTION

The PP-16 VS2 is an electronic device used for environmental control in livestock buildings. It allows the user to maintain a specified target temperature by controlling the operation of ventilation and heating equipment. Eight heater stages, 16 fan stages, a tunnel curtain, two auxiliary outputs, vent doors and four clock outputs can be controlled. Cooling stages can be configured to activate systems in continuous or timer mode. Static control or optional position feedback controls the inlet vents. Once programmed the entire setup program may be easily transferred to other houses.

The PP-16 provides 16 2 HP rated relay outputs and 2 variable speed outputs. Up to 8 inside temperature sensors, one outside temperature sensor, static pressure sensor, humidity sensor, and vent position controller are available for inputs. All parameters are accessible by a PC located at the site or via a modem to any other location. A back up system is available where the thermostat settings cannot interfere with the computer settings. If the computer power should fail, the backup system steps in and controls the house with up to six mechanical thermostat stages.

EVAPORATIVE COOLING SYSTEMS



AIR INLETS



DIRECT FIRED INFRARED HEATERS



LIGHT TRAPS



CONTROLS



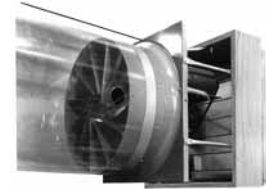
PROPELLER WALL FANS



CURTAIN MACHINES



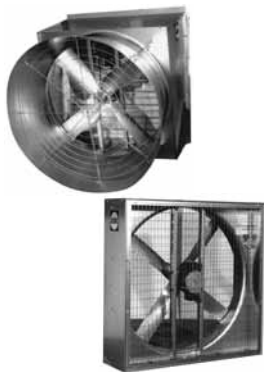
SUPPLY AIR FANS



SHUTTERS



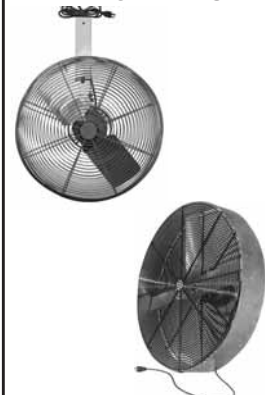
ECONOMY GALVANIZED FANS



PLASTIC/FIBERGLASS FANS



HORIZONTAL AIR FLOW FANS



LIMITED WARRANTY Acme Engineering and Manufacturing Corporation extends this limited warranty to the original purchaser and warrants that products described herein shall be free from original defects in workmanship and materials for two years from date of shipment (except for Acme's exclusive duplex split pillow block bearings and shaft 5 years from shipment, belts one year from shipment, and polyethylene tubing at 90 days from shipping, AIR40 Heater warranty one year from date of shipment, AIR40 Emitter warranty three years from date of shipment and DDP fan lifetime warranty on its propeller, cone, and housing), provided same have been properly handled, stored, installed, serviced, maintained and operated. Refer to Form MS149 for complete limited warranty terms and conditions. This form is available to anyone at www.acmefan.com. The Company's warranty is in lieu of all other warranties, express or implied, arising by law or otherwise, including without limitation the implied warranties of merchantability and fitness for a particular purpose,

which are hereby expressly disclaimed and waived.

Acme products are designed and manufactured to provide reliable performance but they are not guaranteed to be 100% free of defects. Even reliable products will experience occasional failures and this possibility should be recognized by the Purchaser and End User. If these products are used in a life support ventilation system where failure could result in loss or injury, the Purchaser and End User should provide adequate back-up ventilation, supplementary natural ventilation or failure alarm system, or acknowledge willingness to accept the risk of such loss or injury.

WARNING DO NOT use in HAZARDOUS ENVIRONMENTS where fan's electrical system could provide ignition to combustible or flammable materials unless unit is specifically built for hazardous environments. Comply with all local and national safety codes including the National Electrical Code (NEC)

and National Fire Protection Act (NFPA). Guards must be installed when fan is within reach of personnel or within eight (8) feet (2.5 m) of working level or when deemed advisable for safety.

DISCLAIMER The Company has made a diligent effort to illustrate and describe the products in this literature accurately; however, such illustrations and descriptions are for the sole purpose of identification, and do not express or imply a warranty that the products are merchantable, or fit for a particular purpose.

INDEMNITY Purchaser acknowledges various warnings by the Company regarding the products and its installation and use. If the Company incurs any claims, lawsuits, settlements, or expenses (including attorney fees) for any loss, injury, death or property damage including, but not limited to, claims arising out of the Purchaser's or any end user's installation or use of the products, the Purchaser shall indemnify and hold the Company harmless.



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P.O. Box 978, Muskogee, Oklahoma 74402
 Telephone: 918-682-7791 Fax: 918-682-0134
www.acmeag.com e-mail: acmeag@acmefan.com
www.acmehort.com e-mail: acmehort@acmefan.com

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