

PRECAUTIONS FOR USE

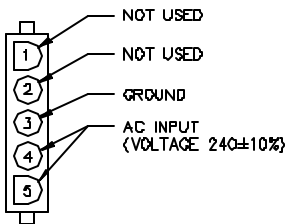
THE FAILURE TO OBSERVE THE FOLLOWING PRECAUTIONS COULD RESULT IN SERIOUS BODILY INJURY, INCLUDING DEATH IN EXTREME CASES. We recommend that *adequate instructions and warnings by the original equipment manufacturers (OEM)* include labels setting forth the precautions listed below to the end user.

In setting forth the above listed recommendations with regards to precautionary steps that must be considered, we in no way intend to imply that if these steps are taken a product will meet the applicable safety standards. We, at Ametek, are not sufficiently conversant with the specific safety hazards which may be associated with particular products. We can only advise precautions to be employed generally for the safe use of Ametek products as components. For testing specifically related to the safety of the product, we recommend that you contact the appropriate regulatory agency as indicated by the type of product being manufactured.

For further information, reference Safety Bulletin #4930700.

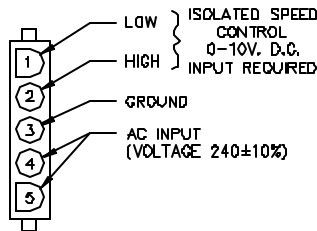
SPEED CONTROL OPTIONS

INTERNAL



POST HEADER ASSEMBLY

EXTERNAL



POST HEADER ASSEMBLY

Please observe the above conventions.

INTERNAL SPEED CONTROL

Potentiometer adjusts speed. See outline for Potentiometer locations.

EXTERNAL SPEED CONTROL

0 to 10V DC or Pulse Width Modulated 10V DC controls speed. The Potentiometer adjusts the effect of the control voltage. See outline for Potentiometer location.

Consult Engineering for minimum speeds and to avoid control scheme problems.

LOCKED ROTOR AND OVER TEMPERATURE PROTECTION

If the blower does not start when turned on, or it stops after it has been running, **turn the blower off to prevent automatic restarting** before investigating. Be sure cooling air passages are clear and that rotation is not prevented by blockage, then turn it on again.

THRU-FLOW BLOWERS

The motor and control are cooled by the air flow through the blower. This type of unit is suitable for handling breathing quality air only. Do not operate sealed at maximum speed.

BY-PASS BLOWERS

The motor and control are not in the working air but breathing quality air must be available for the separated motor/control cooling function.

DESIGN APPLICATION

Ametek recommends that product design consideration be given to ensure that the ambient air temperature be between 0°C and 50°C during operation.

Reference User's Guide 4930712 (400W)
Reference User's Guide 4930720 (1200W)

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ISSUED BY: DATE:

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