

# INSTRUCTIONS FOR INSTALLING WALL-MOUNT SPEED CONTROL

## 1. APPLICATION

- Motor Type — Shaded Pole, P.S.C., and Universal.
- Required Load — Fans, Blowers, and speed dependent loads.

## 2. WIRING

**WARNING** - Power Must Be Turned Off Before Wiring.

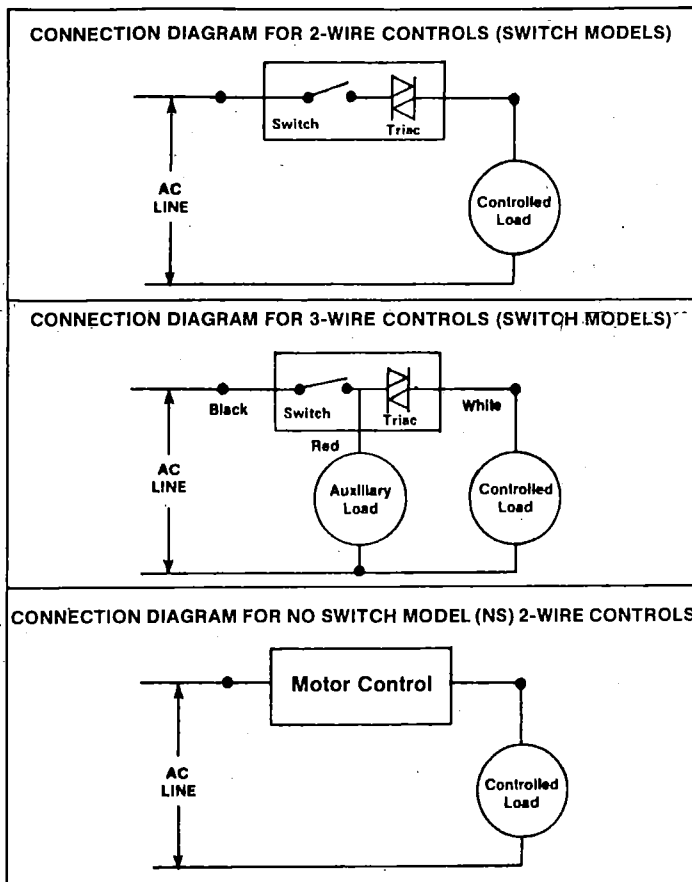
Connect control in series with motor and line voltage — never connect control across line.

## 3. MOUNTING

- Use 2" deep standard Gem Box.
- Secure control with outer bracket tabs.

## 4. MINIMUM SPEED ADJUSTMENT

**(IMPORTANT - If This Option Is Not Supplied Disregard Step 4 And Continue To Step 5)**



This control was designed to operate on motors used in diversified applications. A minimum speed adjustment is provided to allow independent control of the minimum speed setting.

- Motor must be in actual operating conditions to achieve proper speed adjustment. (Motor will not slow down unless proper load is applied).
- Turn main control knob clockwise to lowest speed position.
- Locate and adjust minimum speed setting on front plate with screw driver (rotate clockwise to decrease minimum speed; counter-clockwise to increase minimum speed - **SPECIAL NOTE** - For all high current models, 8 amps or greater, the opposite minimum speed rotation adjustment must be made) so that motor runs with sufficient torque to prevent stalling. On some models minimum speed adjustment hole is located on side of control.
- Motor will now operate from this preset minimum speed to full speed.

## 5. FINAL MOUNTING - SWITCH MODELS

- Install front dial plate (Remove protective plastic on face of dial plate)
- Turn main control until switch snaps off.
- Push on knob so that pointer is in off position.

**MOUNTING NOTE** - For No Switch Models (NS) Install Front Dial Plate and Push On Knob.

**WARNING:** UNIT SHOULD BE INSTALLED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND OTHER LOCAL CODES WHICH MAY APPLY. THIS CONTROL MUST BE GROUNDED WHEN INSTALLED. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN ELECTRICAL SHOCK OR A FIRE HAZARD. **WARNING:** TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK THIS CONTROL IS TO BE USED ONLY WITH FANS MARKED AS SUITABLE FOR USE WITH SOLID STATE SPEED CONTROLS. THIS CONTROL IS SUITABLE FOR MOUNTING IN A METAL OR POLYMERIC FIELD ENCLOSURE. THESE CONTROLS MUST NOT BE USED AT RATINGS EXCEEDING THOSE CLEARLY MARKED ON THE DEVICE.

WE ARE NOT RESPONSIBLE FOR ANY EXPENSE INCONVENIENCE OR CONSEQUENT DAMAGE CAUSED BY ITEMS OF OUR MANUFACTURE OR SALE.

### **SAFETY WARNINGS — PLEASE READ CAREFULLY**

This product should be installed and serviced by a qualified technician, electrician or electrical maintenance personnel familiar with its operation and the hazards involved. Proper installation (see instruction information which accompanies product), which includes wiring, mounting in proper enclosure, fusing or other overcurrent protection and grounding, can reduce the chance of electric shocks, fires or explosion in this product or products used with this product, such as electric motors, switches, coils, solenoids and/or relays. This product is constructed of materials (plastics, metals, carbon, silicon, etc.) which may be a potential hazard. Individual material safety data sheets (MSDS) are available upon request. Proper shielding, grounding and filtering of this product can reduce the emission of radio frequency interference (RFI) which may adversely affect sensitive electronic equipment. If information is required on this product, contact our factory. It is the responsibility of the equipment manufacturer and individual installer to supply this safety warning to the ultimate user of this product. (SW effective 11/86).

### **BANVIL'S LIMITED ONE-YEAR WARRANTY**

Banvil warrants to the original consumer purchaser that this product is free of defects in materials and workmanship for one year from purchase date. Banvil will correct such defects by repair or replacement, at its option, if the product is returned prepaid, with proof of purchase date to Banvil 2000, (division of 3383768 Canada Ltd., 775 Main Street, East Milton, ON L5T 3Z3). This warranty does not cover labour for removal or reinstallation of the product and is void on any product improperly installed, overloaded, abused or altered in any manner. Banvil limits the duration of any implied warranty of merchantability to one year and excludes incidental or consequential damages for breach of any warranty on this product.