

## AUTOMATIC VARIABLE SPEED FAN CONTROL



**Power-Up™** is an AV-11 feature that cold-starts motors at full speed, then reverts to preset speed. This means full fan horsepower overcomes fan and shutter inertia and avoids fan start-up stalling or cold weather freeze-up. Power-up protects fan motors and safeguards Agri-Aide ventilation systems.

**Controls many fans** of the same horsepower. Overload fuse (KE-AV1102) protection built in. See motor recommendations sheet for more details.

**Watertight enclosure** protects control circuitry from the barn environment. Built-in radio frequency, transient and voltage surge arrestors protect control from all but direct lightning. Overload fuse protection built in.

**Field adjustable choice** of either (A) low-speed continuous fan operation below Set-point Temperature or (B) fan shut-off below Set-Point Temperature. Use (A) when controlling minimum winter exhaust fan; use (B) when another fan supplies minimum winter exhaust.

**Minimum speed adjustment range:** 20% to 100% of fan full power.



## Understanding the Control

### TEMPERATURE SET CONTROL KNOB

This knob sets the Set-point temperature at which the fan speed begins increasing from Minimum Speed (see following) to full speed operation at Set-point Temperature plus 5°F.

### MINIMUM SPEED SET KNOB

This knob selects the fan minimum speed at the Set-point Temperature. If the fan(s) controlled is the minimum wintertime fan(s), adjust as necessary to control odor. If the fan (s) controlled is OFF below Set-point, adjust as needed to provide next ventilation level when temperature reaches Setpoint.

Lowest level of Minimum Speed set is adjustable on circuit board.

### SENSOR

Locate sensor in area to be controlled. Sensor leads are 72" inches. Can be extended to 250 ft. with Extension Cable, Part KE-AV1101, and Extension Cable Splice Kit, Part KE-AV1104.

### PROTECT FROM ANIMALS

Do not extend parallel to electrical supply wiring or twist two or more sensor cables together.