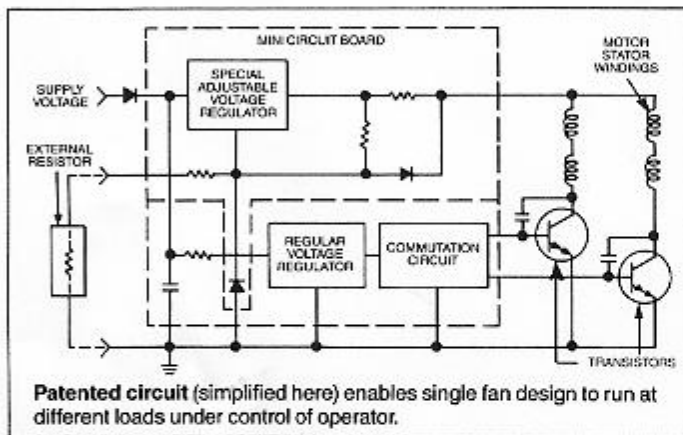


ThermaPro-V™ Technology

Thermal Speed Controlled, Programmable, Voltage Regulated DC Fans & Blowers

At the top of their class.

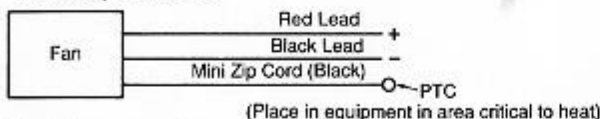
Give Comair Rotron fans some extra credit. Our unique ThermaPro-V™ circuitry makes them the most precise and versatile airmovers in the industry. To say nothing of how amazingly quiet they are. You can count on TPV to reach your optimal cooling point with minimal noise — without adding on to your system. Now you can design-in Voltage Regulated, Programmable, Thermally Speed Controlled brushless DC fans for completely reliable cooling.



ThermaPro-V capabilities are achieved through the use of a patented circuit design. A small voltage regulator is placed in series with the motor windings. An additional lead from the control leg of the voltage regulator is brought out of the fan to enable the customer to adjust the voltage to the windings and control the speed of the fan.

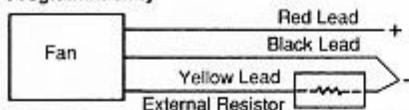
Hook Ups

Thermal Speed Control



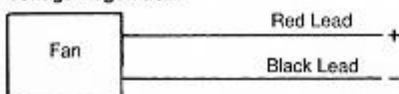
Speed increases as temperature at PTC location increases.

Programmability



Speed is determined by the value of the external resistor.

Voltage Regulation



Speed stays constant even though voltage fluctuates.

Thermal Speed Control

Advanced degrees are no sweat.

With TPV's closed loop Thermal Speed Control capability, a small thermistor is used to program the fan's voltage regulator to change airflow automatically as a function of temperature. It automatically provides needed cooling in extreme environments and a minimum of noise and power consumption at all times. This results in complete efficiency for your system. And, with two power leads, plus a control and return lead (zip cord) to the PTC thermistor, there's no chance of system shut-down.

Should the sensor fail open, the fan reaches maximum airflow, avoiding any possible damage to sensitive equipment. That means complete reliability for your system.

Programmability

One right answer to the multiple choice question.

You can now specify a single fan to cover a broad range of airflow needs. TPV Programmability lets you easily control the airflow. In fact, it's elementary. External resistors, pulse width modulated signals, zener diodes, thermistor response and other techniques can be used to change fan speed through a single, added control lead wire connected to ground. So forget about expensive circuit redesign or taking the heat from voltage dropping devices. One TPV Programmable fan gives you a vastly extended performance range, simplified system circuitry, reduced specification needs and highly flexible programming options.

Voltage Regulation

Current events — they're history.

ThermaPro-V solves the problem of power supply voltage fluctuation forever. Internal Voltage Regulation circuitry automatically regulates the input voltage to the motor windings to compensate for any fluctuation caused by a change in the power supply load. With TPV, you always get just the airflow you need — with predictable noise and power levels. And its current limiting circuits keep start-up and locked rotor currents low.