

# Type 100M Motorized Air Pressure Regulator

*Precise pneumatic control by use of an electronic signal*

The ControlAir Type 100M Motorized Air Pressure Regulator is designed to provide precise pneumatic control by use of an electrical signal. This highly accurate device is well suited for pneumatic control of a system from a remote location. Utilizing two tandem synchronous AC Motors, each having it's own set of leads, but operating through a single output shaft, direction of rotation is dependent of which set of leads power is applied to. The motor is coupled to ControlAir's Type-100, which is a high precision, multi-stage air pressure regulator with low power requirements.

## FEATURES

- **Maintains Setting**  
Maintains pressure setting in the event of a power failure
- **Low Power Consumption**
- **No Pre-regulation of Supply Pressure Necessary**
- **Mountable at Any Angle**
- **Adjustable Mechanical Stop Limits Maximum Output Pressure**
- **Flexible Range Options**  
A variety of motor voltages, pressure change rates, pressure output ranges and ports sizes are available
- **Compact size**

## Operation

When no electrical power is supplied the regulator maintains a precise set point despite variable supply pressure conditions and flow rates. When power is applied to the motor the regulator pressure output changes at approximately a constant rate until power is removed.

## Applications

The Motorized Type-100M is well suited for a variety of applications. It can be used in a centrally controlled system, or in areas not easily accessible to the operator such as ventilation systems. It can be incorporated into open or closed loop process control systems and may be used with programmable controllers.



