

Microcontroller based, RaPID™ process controllers with dual display. RaPID™ (Response assisted PID) employs fuzzy logic to continuously re-blend the P, I, and D components for exceptional control and response. Pre-tune and Auto-tune are also available and used in conjunction with RaPID™. While it may sound complicated, use is as easy as pressing a few buttons. The MIC 1420 is a 1/4 DIN controller and the MIC 1820 is a 1/8 DIN controller.

Standard Features

- RaPID™ - Response assisted PID
- Dual 4 digit displays – process value in red; setpoint in green
- Universal sensor input: thermocouple, RTD, mA, mV, or V
- Relay or SSRD first output (mA optional)
- Setpoint ramping
- Configurable from an IBM compatible computer
- 90 to 264V AC powered

Optional Features

- Dual outputs for heat-cool applications
- Additional relay, SSRD, or mA outputs
- Up to two alarms
- Dual setpoint
- Remote setpoint
- Process or setpoint value retransmission
- RS-485 Communications
- 24V DC transmitter power supply
- 24V AC/DC powered operation

Key Specifications

- +/- 0.25% Accuracy
- 4 Scans per second
- 2A SPDT Alarm relays
- IP65/NEMA 4 Panel mount sealing
- 3.94" Panel depth
- 3 Year warranty

Agency Approvals

- UL Recognized
- cUL Certified for Canada
- CE Compliance

