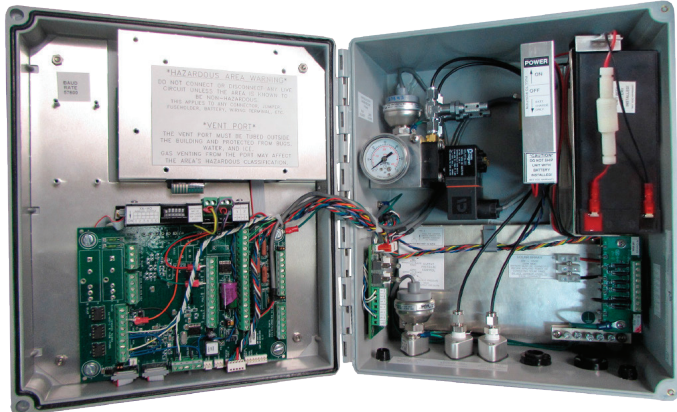


XAPC PROCESS CONTROLLER



Eagle Research Corporation® Process Controller is a standalone PID controller with pneumatic valve output command. The Process Variable Inputs are Pressure, Temperature, DP, Pulses or an AGA calculation of flow. The PID logic is performed electronically. The valve output options are 50 or 100 PSIG. The 50 PSI range covers the standard commands like 3-15 or 6-30 PSI. The 100 PSI range is used when loading the spring cage of a pilot or self-contained regulator. The standard solar panel and built-in battery allows continued control with no external power.

The standard unit works as a stand-alone or remote set. The remote set can be field configurable for 4-20 mA, digital pulsed or digital duration. Invalid remote set point signal (i.e. outside preset limits or maximum rate of change) locks the set point at the last value. The set point and process variable feedback signals are loop powered 4-20 mA. A 24 volt DC supply is required for the feedback signals. The unit can trickle charge its battery from the 24 volt supply only requiring solar when the 24 volts is not available. To reduce costs as much as possible, the standard Process Controller is offered with very limited options. For systems requiring more options see the XASCI product line.

XAPC Features:

Process Variable Input Options

- Pressure
- Differential Pressure
- Temperature RTD
- Pulse Input
- AGA 3 or 7 Flow Calculation

Remote Set: 4-20 Input

- Raise/ Lower Pulse
- Pulse Duration

Hand/Auto switches and output pressure gage for manual operation.

Internal Parameters

- Process Variable Scaling
- Software Calibration
- PID Set-Point, and Tuning
- Output Scaling
- Input Configuration
- Set point rate and limits

Feedback Options

- 4-20 mA
- Controller Set-Point
- Process Variable
- Valve Command Signal

Configuration

- Built-in Keypad and 4 line display
- Laptop Connection for Field Manager™ Software

Packaging

- 2" Pipe mount, nonmetallic, corrosion resistant enclosure
- Designed for Class I Division II installations

Uses no gas during steady state conditions

