

ELECTRIC PILOT



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INTRODUCTION

The new Kimray Electric Pilot is a state-of-the-art, stand-alone valve controller that can control pressure, flow, temperature, or level. The pilot features on-board adjustment and readout of PID with auto-tune, providing precise control and ease of start-up. As the industry shifts toward electric actuation, this product allows you to control process conditions without the use of PLCs or other computing hardware.

KEY DESIGN FEATURES

- PID for direct or indirect control
- PID auto-tune
- ON-OFF control for shutdown applications
- Low power
- Class I, Div. 1 explosion-proof rating

APPLICATIONS

- Back pressure, pressure reducing, flow control
- Temperature control
- Level control
- High limit shutdown, low limit shutdown, high-low control, gap control, timer

HOW IT WORKS

The Electric Pilot receives an analog (4-20mA) signal from a device which represents a process condition. The signal is conditioned and sent to an electronically controlled valve via 4-20mA output signal. A PID control loop is utilized along with auto-tune and manual tuning capabilities. The pilot shares a common input power source with your electric actuator.



Order Code: YEP PATENT PENDING

SPECIFICATIONS

Input voltage	10-30 VDC
Communication	MODBUS RS-485
Analog input	4-20mA from sensor
Analog output	4-20mA to valve actuator
Optional discrete input for shutdown of PID or reset from shutdown functions	
Optional discrete output to control additional solenoid, alarm, or notification of shutdown	

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