



Model ADAM-6022

Easy System Configuration Anywhere at Anytime through a Standard Web Browser

Ethernet-enabled Dual-loop PID Controller

Overview

The ADAM-6022 is an Ethernet-enabled dual-loop PID controller for general purpose PID control applications. A user-friendly utility software is included to set PID parameters (Pv, Mv, & Sv). Through the integrated web page, users can monitor and change the control set point through the Internet via web browser. It also supports MODBUS/TCP protocol. HMI software can easily access this module to monitor the I/O data and change the control parameters.

Features

- 2 loop PID control algorithms built in one package
- 3 analog input/1 analog output/1 digital input/1 digital alarm output for 1 PID loop
- Support multiple analog I/O ranges: 0 ~ 10 VDC, 0 ~ 20 mA and 4 ~ 20 mA
- Support heating/cooling (direct/reverse) action mode
- Support loop open/close (PID disable/enable) and analog output manual control modes
- Built-in watchdog timer
- Built-in digital input for system emergency shutdown
- Built-in web server
- MODBUS/TCP protocol support

Built-in PID Control Algorithms

The ADAM-6022 has been built with 2 PID control loop inside module. There are three analog inputs one analog output, one digital input and one digital output as control parameter I/O for each loop. For the three analog input signal, AI#1 is for Pv1, AI#2 is for Pv2 and AI#3 is for the feedback of Mv. The analog output signal is for the Mv output value. Digital input would be used for the emergency shutdown input signal, it can remotely stop the PID loop action while an emergency situation arises. One digital output is designed as the alarm output, while analog input/output signal value over limitation announces the user to take action.

Built-in Watchdog Timer

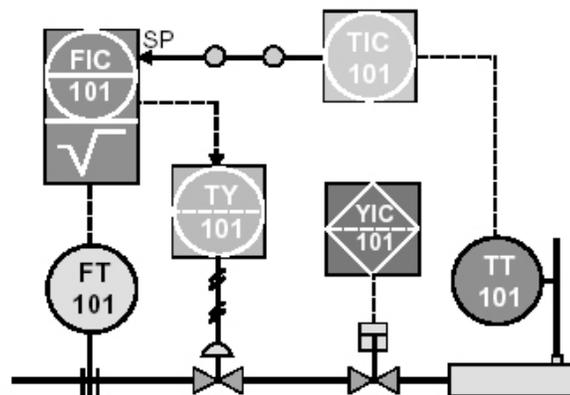
The watchdog timer is designed to automatically reset the CPU when the system fails.

Easy System Configuration with a Standard Web Browser

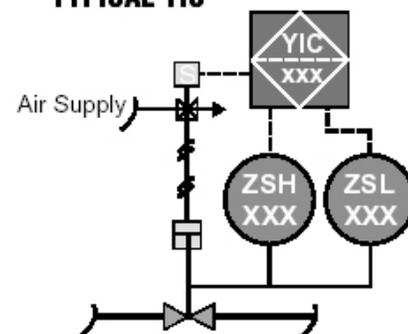
ADAM-6022 can be configured through the ADAM Ethernet Utility software. It also supports a web server function, and has a built-in web-based configuration utility that allows users to configure the system profile from anywhere at anytime through a standard web browser, like Microsoft Internet Explorer or Netscape.

Ordering Information

Model #:	Description:
ADAM-6022	Ethernet-enabled Dual-loop PID Controller



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