

API-Cecom Group *n'fo*

Technical & Application Note A142

Application: Manual boiler control for testing
Type of Company: Burner system manufacturer
Location: Wisconsin

Problem: The customer is a manufacturer of forced draft packaged burner systems. The system requires control for the burner jack shaft for manual boiler control in testing situations. The installed manual control system requires that they convert a potentiometer slide wire to a 4-20 mA input signal for a Honeywell modulator motor. The modulator motor will adjust the jack shaft which is mechanically linked to the damper box (air flow), fuel control (gas) and oil pump (oil).

Solution: API furnished the customer an API 4003 G I. The 4003 G I accepts the slide wire input and converts it to a 4-20mA signal for the Honeywell modulator motor. The end result is manual boiler control for testing applications.

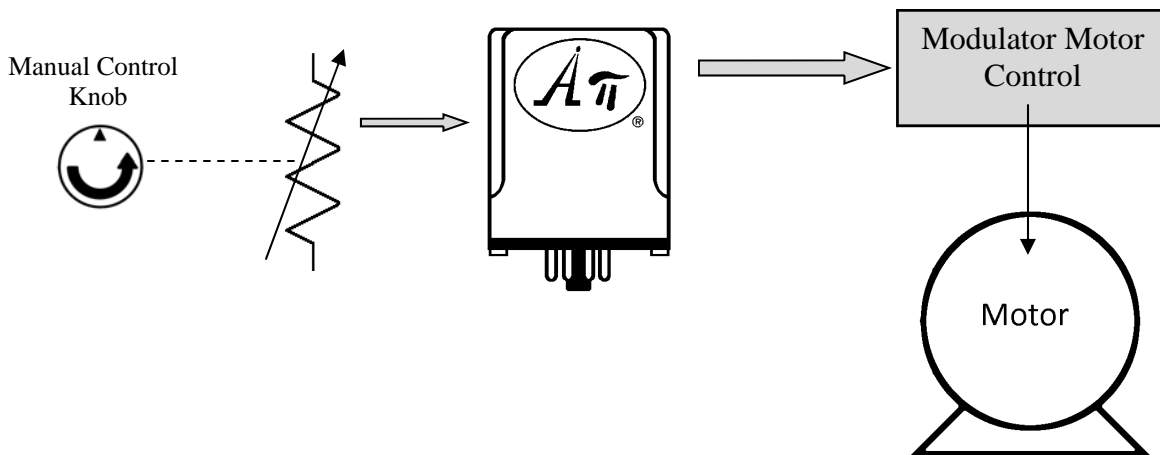


Api 4003 G I

Potentiometer to DC Isolated Transmitter



Photo by R-office



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