

# API-Cecom Group *n'fo*

## Technical & Application Note A106

Application: Automatically control Air Damper position

Type of Company: Asphalt Plant

Location: Illinois

**Problem:** The customer is an Asphalt manufacturer that produces several different types of mixes for many different applications. The manufacturing process requires that both a gas fired burner and an air damper be controlled. It is important that they track properly so the desired operating temperature can be maintained and consistent product can be produced. The customer is using a Honeywell controller to operate the gas valve to a set percentage open or closed. In order to match the gas valves position the Honeywell controller outputs a 0-1 VDC damper control signal. They need to have a mechanical relay contact closure that will open and close the air damper.

**Solution:** API furnished the customer an API 3200 G. The API 3200 G accepts the 0-1VDC signal from the Honeywell controller and accepts the damper feedback of its position via a potentiometer. The end result is automatic control of the air damper to match the position of the gas valve.

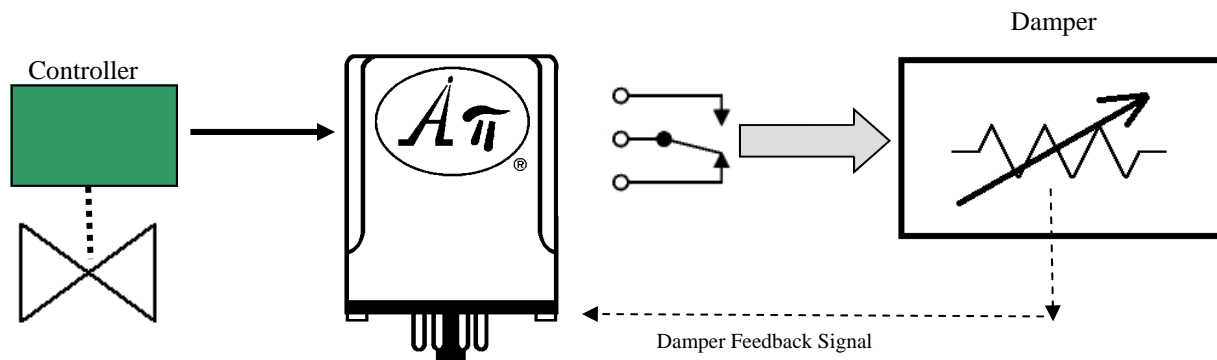


Api 3200 G

Valve Positioner/Actuator/Controller



Photo by Sonaz



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