

# API-Cecom Group *n'fo*

## Technical & Application Note A146

Application: Monitoring critical heater operation

Type of Company: Gasket Manufacturer

Location: Illinois

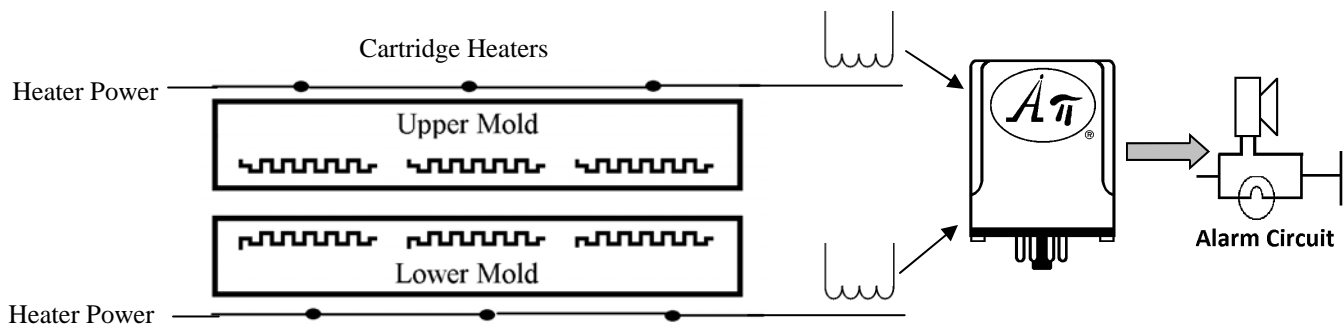
**Problem:** The customer uses an injection molding machine with both upper and lower heaters in the mold to manufacture gaskets. The quality of the finished product is determined by the precise application of heat to the mold. If any one heater in either the upper or lower mold becomes defective the gasket will have a “cold” spot and will be rejected by QC. Since all defective material is scrapped it is imperative that both the operator and the maintenance technician know that there is a defective heater immediately.

**Solution:** API furnished the customer an API 1600 G. The API 1600 G monitors the current from a CT connected to the heaters and if the current draw is “low” the relay contacts sound both an alarm and a light to notify both the maintenance technician and the operator.. The end result is less scrap and a higher yield.



Api 1600 G

AC Input Factory  
Ranged Alarm Trip



**Contact Tom  for ordering or tech assistance**  
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