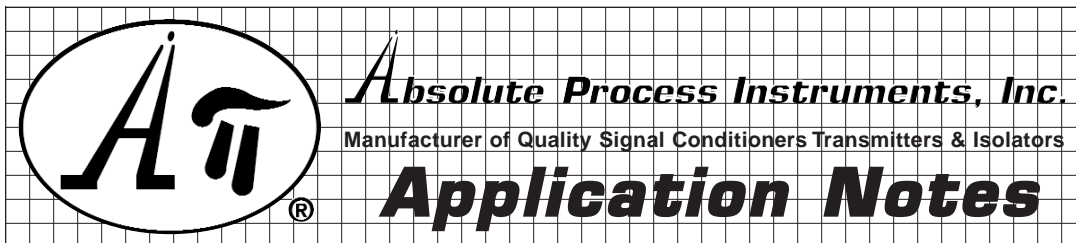


- ☐ General Info
- ☒ Temperature
- ☐ Pressure
- ☐ Flow
- ☐ Speed
- ☐ Weighing
- ☐ Process



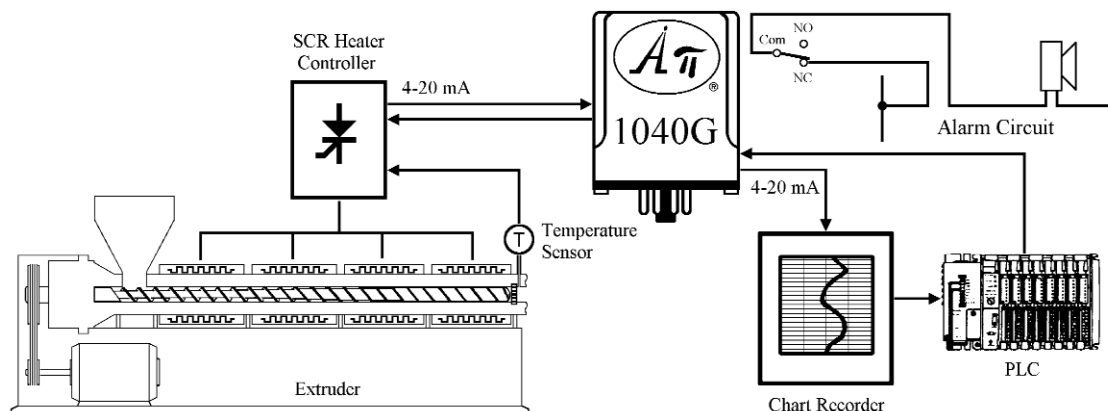
## ***Over-Temperature Alarm with Retransmitted Temperature Signal***

### **PROBLEM**

An extruder temperature controller has a 4-20 mA output that is capable of driving only 250 ohms. The application requires enough drive for an over-temperature alarm trip (250 ohms), an analog temperature signal for a chart recorder (250 ohms) and a programmable logic controller (250 ohms) for a total required drive of 750 ohms.

### **SOLUTION**

Use the 4-20 mA output of the controller to drive an **API 1040 G** Non-Isolated DC to Single Alarm with DC Transmitter module.



The **API 1040 G** provides a relay contact output for an over-temperature alarm in the event of SCR runaway and retransmits the temperature signal to drive the inputs of the chart recorder and the PLC. The input impedance of the **API 1040 G** is 50 ohms and its output can drive up to 1000 ohms.



**FREE APPLICATION ASSISTANCE**

Call Customer Service

**800-942-0315**

### **Did You Know...?**

The **API 1040G** is available with an additional Q-1 VDC setpoint retransmit output.