Problem Solvers
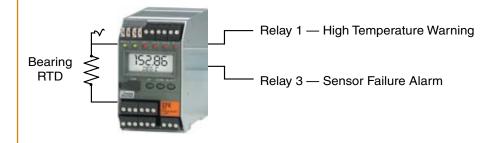## Practical Application Ideas and Technical Information

Prevent False Shutdowns

Problem: My utility plant has lost thousands of dollars due to false shutdowns from failed temperature sensors. How do I know the difference between a failed sensor and a true alarm situation?

Solution: Use the SPA[2] Programmable Alarm. Any of its two or four relay alarms can be programmed to trip on "open sensor" without tripping the high temperature warning or shutdown alarms. Sensor failures will not trip the process.

Bearing RTD

Relay 1 — High Temperature Warning

Relay 3 — Sensor Failure Alarm

SPA[2] Programmable Alarm

In this example, only the sensor failure alarm is tripped, preventing an unnecessary and expensive false shutdown.

Model Number Example
SPA2 / TPRG / 2PRG / U [DIN]

Go to Temperature Sensors, Transmitters and Assemblies Selection Guide