Problem Solvers
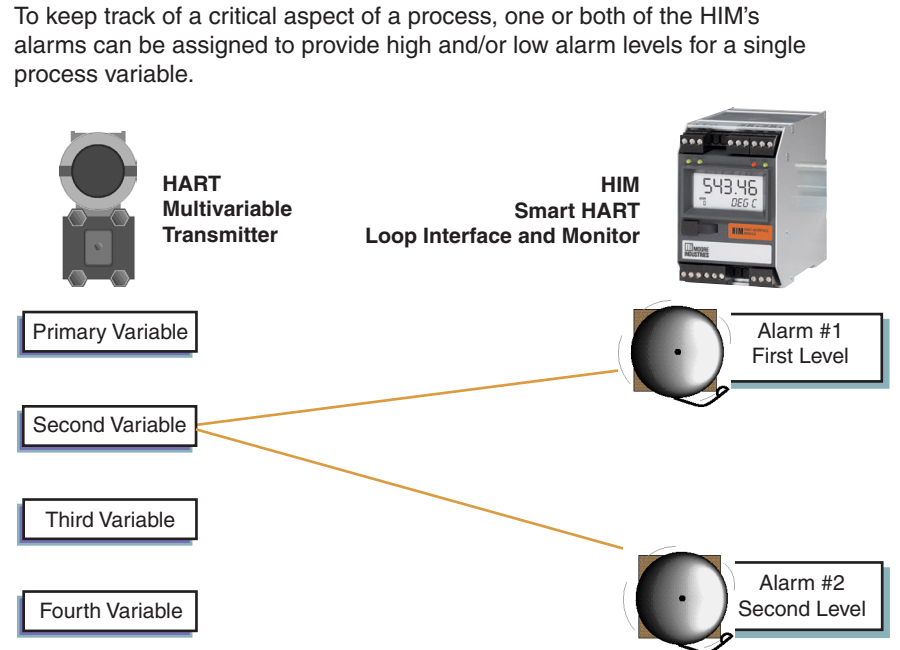
Smart HART Transmitters, Monitors and Interfaces

Multi-Level Alarming for a Single Process Variable

Problem: The secondary variable in my multivariable transmitter is temperature. My process temperature is very dynamic and I need to alert the operators when my temperature becomes unstable. I would like to alarm at two different points.

Solution: This is easily accomplished with the HIM Smart HART Loop Interface and Monitor. Either of its two alarm channels can be configured to trip at any value of the HART variable, including process temperature, mass flow, hydrostatic levels and differential pressure.

To keep track of a critical aspect of a process, one or both of the HIM's alarms can be assigned to provide high and/or low alarm levels for a single process variable.

HART Multivariable Transmitter

HIM Smart HART Loop Interface and Monitor

Primary Variable

Second Variable

Third Variable

Fourth Variable

Alarm #1 First Level

Alarm #2 Second Level

Model Number Example
HIM / HART / 2AO / 24DC / -2PRG [DIN]

Go to Smart HART Transmitters, Monitors and Interfaces Selection Guide

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