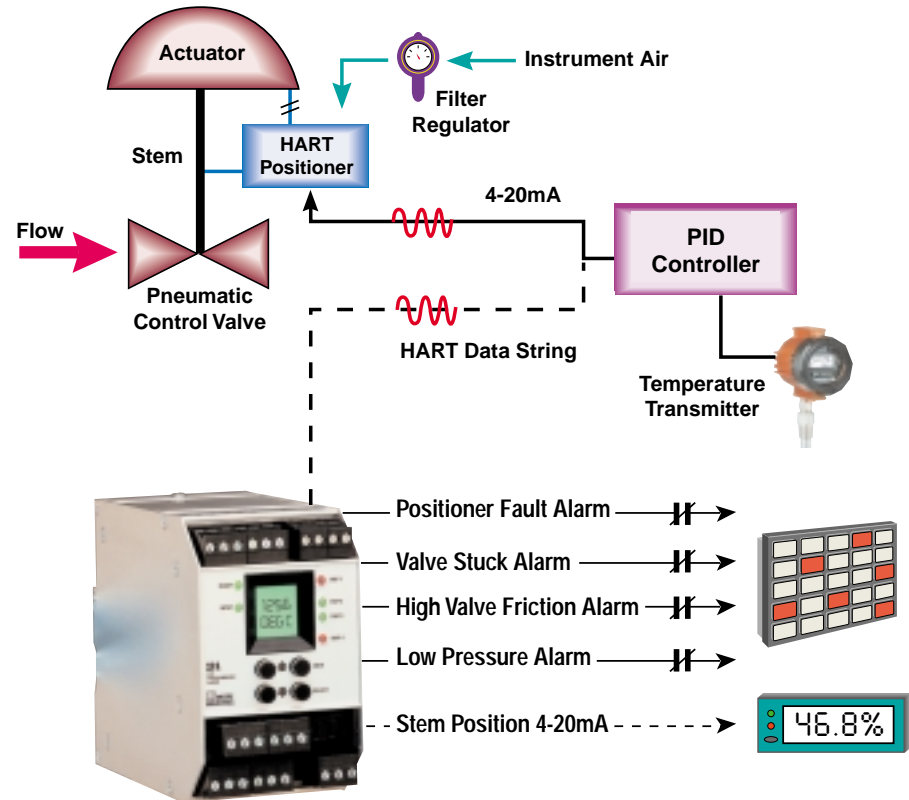


Alarm Trips and Switches

A11: Sticky Valve Causing Process Problems

Problem: Many of my control valves gradually develop excess friction that causes unstable operation of the control loop, process surges, and off-spec product. Is there a way to alert my technicians without having to go to the field, shut down, and inspect each one?

Solution: Some smart valve positioners report "Deviation from Setpoint" in their HART string. The SPA HART can alarm if the deviation is too large, indicating a stuck valve. Using time delay on the alarm relay, exceeding a deviation limit for a specified period of time, would give you an indication of excessive valve friction.



SPA HART Smart Loop Monitor and Alarm

Model Number Example

SPA / HART / 4PRG / U / -AO [DIN]