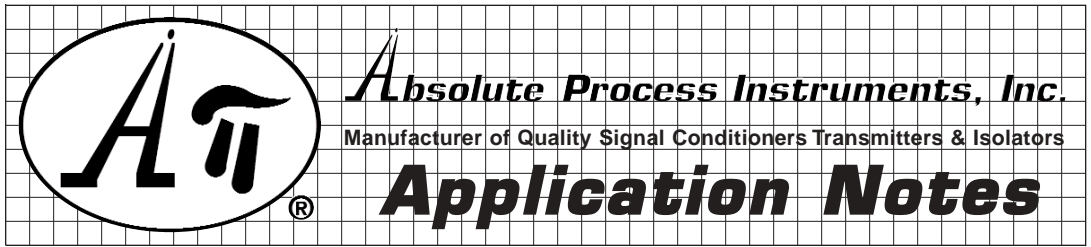


- ❑ General Info
- ❑ Temperature
- Pressure
- ❑ Flow
- ❑ Speed
- ❑ Weighing
- ❑ Process



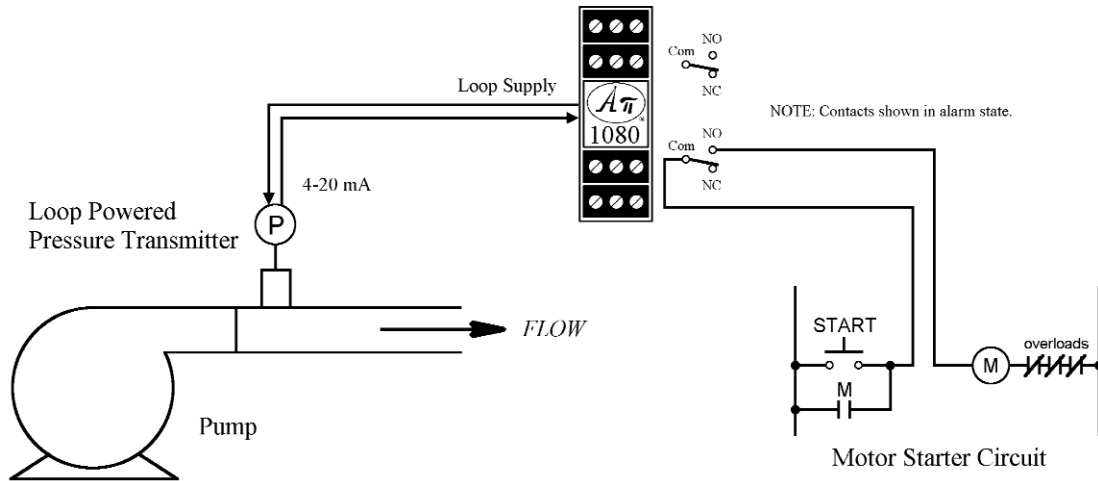
Pumping System High Pressure Shutdown

PROBLEM

High head pressure is causing pump failures. If the pressure exceeds a preset limit, the pump must be shut down. A manual reset is necessary to restart pump.

SOLUTION

A loop powered pressure transducer is installed at the discharge side of the pump. The pressure transducer is connected to an **API 1080 DIN** DC Input, Field Selectable Single Setpoint Alarm module.



The **API 1080 DIN** provides the loop power for the 4-20 mA pressure transducer from its built-in loop excitation supply. The setpoint is adjusted to the high pressure limit. The relay contacts are wired in series with the motor starter such that if the pressure is not below the setpoint, the pump will be stopped. It is necessary to press the **START** push button to restart the pump. The standard heavy-duty relay contacts are rated 7A @ 240 VAC and can directly control most devices.



FREE APPLICATION ASSISTANCE
 Call **Aπ** Customer Service
800-942-0315

Did You Know...?

The functional test pushbutton on all Api alarm modules will toggle the relays independent of the input signal.