CATEGORY:
- ❑ Temperature
- ❑ Pressure
- ❑ Flow
- ❑ Speed
- ❑ Weighing
- ■ Other

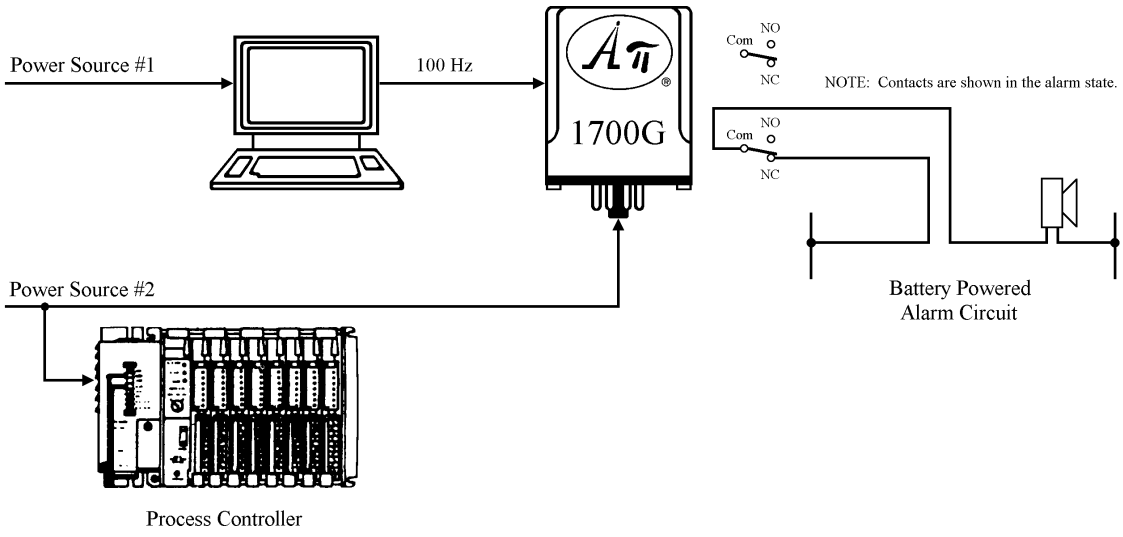
MONITORING COMPUTER AND PROCESS STATUS

PROBLEM:

A critical process is monitored by a computer which is powered independently. If power is lost to either the process or the computer, or if the computer locks up, an alarm is to be annunciated.

SOLUTION:

The computer is programmed to produce an output of 100 Hz at its analog output port. This output will not be present when power to the computer is lost or when the program locks up for any reason.



The Api Model 1700G Frequency Input Single Alarm Trip module monitors the 100 Hz analog output of the computer and holds its normally closed alarm trip contacts open as long as the output signal is present. If power is lost to the computer or if the program locks up, the contacts will return to their normally closed state and the battery powered alarm will be activated. Since the Api Model 1700G is powered from the same source as the process, the alarm will also be activated if power to the process is lost.

Did You Know ... ?

All Api alarm modules come configured
as true failsafe unless otherwise specified.