

Dual Channel Liquid Flow plus Dry Line Indicator

Applications:

- Pump Protection
- Dry Line Indicator
- Dry Line Alarm
- Liquid Flow Switch

Application Background:

It is often desirable to monitor the flow of a liquid being pumped in a process. In addition to metering the fluid, a simple flow switch can provide confirmation of flow or flow at a minimum acceptable volume for proper operation. For added pump protection, a dry line detector, indicator, or alarm is an ideal feature, especially for larger, expensive pumps in critical applications.

Application Solution:

A flow switch with dual channels has the capability of setting two discrete flow set points. Normally the first channel would be set for “no flow” or “dry line” condition and the second channel for the desired flow set point or some minimum flow to prevent the pump from cavitations.

With a single process connection into the inlet flow pipe (MNPT or flange), a Dual Channel Versa-Switch® from Delta M Corporation can provide true pump protection.

For full details go to our website, www.deltamcorp.com to the products tab and look for Manuals. Find the dual channel Model VS5100 Versa-Switch® product manual. Section 4.4.5 will explain how dual set points can be established for your specific application.