

## Dual Flow Rate Controller for Liquids or Gases

### Applications:

- Dual Flow Switch for Liquids
- Dual Flow Switch for Gases
- Dual Flow Switch Controller

### Application Background:

It is often desirable to monitor and control the flow of a liquid or a gas between a lower and upper set point to maintain an ideal process condition. A flow meter with dual set points for control can be expensive when the accuracy of the flow control is of less concern than the budget.

### Application Solution:

A flow switch with dual channels has the capability of setting two discrete flow set points for establishing the flow control function without the expense of a flow meter. Normally the first channel would be set for “no flow” or “minimum flow” and the second channel for maximum acceptable flow of the liquid or gas. Exact flow rates must be established by a separate flow meter or approximated by other local means or process experience. Once the dual channel switch is calibrated a flow meter is no longer needed and can be removed for other applications.

With a single process connection into the flow pipe (MNPT or flange) a Dual Channel Versa-Switch® from Delta M Corporation can provide the flow control function for a liquid or gas application at less expense than a flow meter.

For full details go to our website, [www.deltamcorp.com](http://www.deltamcorp.com) to the products tab and look for Manuals. Find the dual channel Model VS5100 Versa-Switch® product manual. Section 4.4.3 will explain how dual set points can be established for your specific application,