

# DFS2

DFS2 Doppler Switch  
9/07

## DOPPLER FLOW SWITCH

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### DFS2

- 10 LED Bar graph flow indicator
- Easy to install and compact
- Zero pressure drop
- No sensor fouling
- Pipe sizes  $\geq$ DN25
- Adjustable high and low trips
- Two selectable flow ranges: 0 - 2m/s and 0 - 6m/s
- Adjustable drop-out timer for relay
- Adjustable start-up timer for pump operation
- Selectable failsafe mode setting with latching of trip relay



The Flowmetrix Doppler Flow Switch DFS2 continuously measures the velocity of fluid in pipelines using the non-intrusive Doppler principle. The DFS2 is quick and easy to install with no holes in the pipe, no sensor fouling, no maintenance and no downtime for sensor installation.

The Flowmetrix DFS2 is designed for use with fluids, which contain in excess of 0.1% suspended solids or bubbles, having a size greater than 100 microns. Typical applications include slurries, sewage, sludge, pulp, food products, aerated water and abrasives. This versatile flow switch is suitable for use on a variety of metal and plastic pipes.

The Flowmetrix DFS2 includes a relay with adjustable high and low setpoint control and adjustable delay-on and delay-off timers. The DFS2 has two selectable flowranges, 0 - 2m/s and 0 - 6 m/s, with the flow rate indicated on the 10 LED bar graph flow indicator.

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#### Specifications:

Measuring Range	: 0.3 to 2.0 m/s (1) 0.3 to 6.0 m/s (2)	Power Input	: 115/230V ac, 50Hz or 24V dc +/-10%
Set Points	: 0 to 100% of Range	Transducer	: IP68 St/Steel 81 x 23 x 21mm
Timer Delays	: 0 to 60 seconds	Indication LED's	: 10 LED bar graph Range selection
Output	: 1 Relay - 1Amp SPDT		Hi and Lo Alarm
Transducer Cable	: 3 metre length		Signal Strength
Temperature	: Sensor -20 to 90°C Electronics -10 to 50°C	Failsafe Mode	: Selectable
Electronics	: IP65 Polycarbonate	Weight	: 0.85kg
Enclosure	: 120 x 120 x 55mm		