

LIQUID LEVEL FLOAT SWITCHES

- **Compact, low cost**
- **Withstand harsh chemicals**
- **Unaffected by electrical interference, high temperatures, high pressures**

INTRODUCTION

For over 30 years Orange Research has enjoyed the respect of industry as a supplier of high quality process control instruments. It started with our differential pressure gauges and switches, and soon moved to flow meters and flow switches. We now are pleased to offer this new line of low cost liquid level float switches.

Whether your needs are vertical or horizontal switches we have the solution. Choose from a wide variety of materials, from stainless steel to polypropylene. We offer many sizes and shapes that meet the most common level measurements. We also offer special materials and designs to meet more uncommon requirements.

Please review our product offerings and let us know if there is a modification or custom requirement we can fill. We have built our reputation on adaptability. We know that no two customers are alike.

HOW THEY WORK

We offer two basic types of float switches: top mounted and side mounted. Both work on the principle of moving a magnet into the proximity of a reed switch. The magnetic field causes the reed switch contacts to close, completing the electrical circuit.

This normally open switch operation is standard for all catalog items. With a few exceptions the float position can be reversed in the field to allow for normally closed operation.

Our horizontal switches utilize a small permanent magnet in the pivoting arm while the reed switch is located in the stationary stem. Our vertically oriented floats utilize a ring magnet in the cylindrical float with the reed switch mounted in the center stem.

The engagement of the switch activates alarms or lights, or sends a signal to a controller that activates a pump, valve or other similar level-controlling device.

All of our level switches are designed and built to withstand the most rigorous requirements. They are tested in controlled laboratory conditions to meet the highest quality standards in the industry. In fact, they meet the number one test of all, the Orange Research requirement that all of our instruments be rugged and reliable.

Please contact our inside sales and customer service representatives for technical, pricing or delivery assistance. We look forward to speaking with you about your application.

