Narrow Angle - Milliamp / PLC and Intrinsically Rated Float Switch
UNIMAX™ GOLD - Control Switch

Leading Edge Design

1. Gold Contacts - Dual Rated
▶ High or low voltage 120/230 VAC, 0.1A to 4A, 4 VDC, 1 mA.
▶ Great for intrinsically safe or PLC input circuits.

2. High Integrity Design
▶ Special made cable utilizes a high number of fine stranded copper wires for an extremely flexible, long-life cable.
▶ Heavy duty 18 gauge rubber cable.
▶ PVC float housing is high impact and corrosion resistant.
▶ Unique shape makes the Unimax™ universal for all control switch applications.

3. Accurate
▶ 10 degree differential provides precise liquid level monitoring.

U.S. Patent No. 5,728,987

Features

Patented Mechanical Design
Mechanically activated snap action contacts

Gold Contacts
Dual Switch Rated
High Voltage: 120/230 VAC, 0.1A to 4A
Low Voltage: 4 VDC, 1 Milliamp

PVC Float Housing
Excellent corrosion resistant and withstands high impacts

Heavy Duty Cable
Extra flexible 18 gauge, 2 conductor cable

Omni-Directional
Not sensitive to rotation or turbulence

UL Listed / 3-Year Warranty
Guaranteed safety and performance

Applications

Normally Open (High Level)
The control switch turns on (closes) when the float tilts slightly **above** horizontal, signaling a high level and turns off (opens) when the float drops slightly **below** horizontal.

Normally Closed (Low Level)
The control switch turns on (closes) when the float drops slightly **below** horizontal, signaling a low level and turns off (opens) when the float tilts slightly **above** horizontal.

▶ Control floats are used to control alarm and control panels.

▶ See Figure 1 and Figure 2 on the back of this page for pivot point information and a list of order numbers for pipe clamp or externally weighted models.

Specifications

Electrical
Maximum Electrial Load
120/230 VAC, 0.1A to 4A
Minimum Electrial Load
4 VDC, 1 Milliamp

Operating Temperature
0-140 ˚F

Float Housing
3.25" diameter x 4.55" length, high impact PVC

Cable
Flexible 18 gauge, 2 conductors, SJOOW (UL, CSA), water resistant, rubber (CPE)

Switching Differential
10 degrees total

ALDERON™ Industries
Leading Edge Control Products

| Alarm Systems | Control Panels | Float Switches | Leak Detection Systems |

UNIMAX™ GOLD - Control Switch

Pipe Clamp Models

Figure 1

Pivot point is at the pipe clamp location

Float switch is clamped to a discharge pipe or similar device.

Externally Weighted Models

Figure 2

Pivot point is at the external weight location

Float switch is suspended from above, such as a tank cover or float switch bracket.
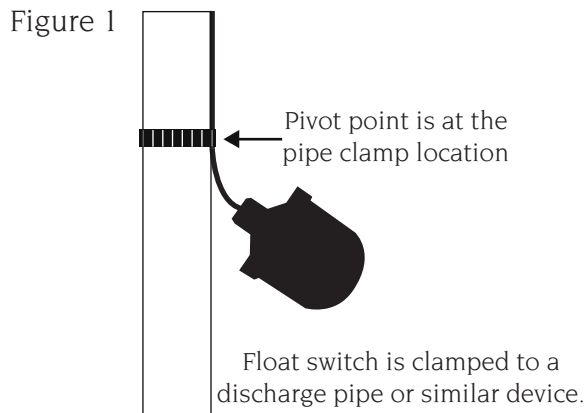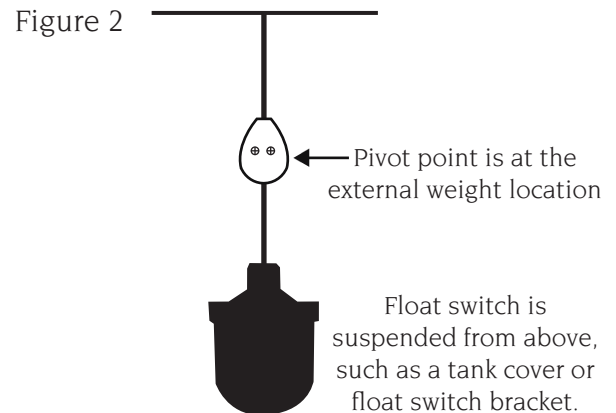
Order Numbers

Part Number	Description	
7808	10' Unimax™ Gold, Control Float Switch, Normally Open, Pipe Clamp	(High Level)
7810	15' Unimax™ Gold, Control Float Switch, Normally Open, Pipe Clamp	(High Level)
7812	20' Unimax™ Gold, Control Float Switch, Normally Open, Pipe Clamp	(High Level)
7814	30' Unimax™ Gold, Control Float Switch, Normally Open, Pipe Clamp	(High Level)
7816	10' Unimax™ Gold, Control Float Switch, Normally Closed, Pipe Clamp	(Low Level)
7818	15' Unimax™ Gold, Control Float Switch, Normally Closed, Pipe Clamp	(Low Level)
7820	20' Unimax™ Gold, Control Float Switch, Normally Closed, Pipe Clamp	(Low Level)
7822	30' Unimax™ Gold, Control Float Switch, Normally Closed, Pipe Clamp	(Low Level)
7809	10' Unimax™ Gold, Control Float Switch, Normally Open, External Weight	(High Level)
7811	15' Unimax™ Gold, Control Float Switch, Normally Open, External Weight	(High Level)
7813	20' Unimax™ Gold, Control Float Switch, Normally Open, External Weight	(High Level)
7815	30' Unimax™ Gold, Control Float Switch, Normally Open, External Weight	(High Level)
7817	10' Unimax™ Gold, Control Float Switch, Normally Closed, External Weight	(Low Level)
7819	15' Unimax™ Gold, Control Float Switch, Normally Closed, External Weight	(Low Level)
7821	20' Unimax™ Gold, Control Float Switch, Normally Closed, External Weight	(Low Level)
7823	30' Unimax™ Gold, Control Float Switch, Normally Closed, External Weight	(Low Level)

For longer cord lengths or wide angle models, please consult factory.

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Leading Edge Control Products

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