

Narrow Angle-Milli Amp/PLC Rated - Float Switch

# UNIMAX GOLD™ - Control Switch

## Leading Edge Design



### 1. Gold Contacts - Dual Rated

- ▶ High or low voltage  
120/240 VAC, 0.1A to 4A  
4 VDC, 1 milliamp
- ▶ Great for intrinsically safe  
or PLC input circuits

### 2. High Integrity Design

- ▶ Special made cable  
utilizes a high number of  
fine stranded copper wires



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

which makes 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.

## Applications

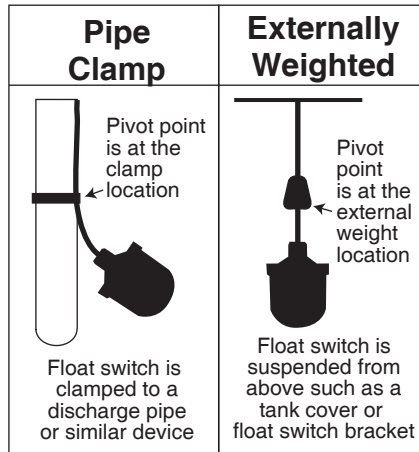
### Normally Open (High Level)

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 tilts slightly below horizontal, signaling a low level, and turns off (opens) when the float rises slightly above horizontal.

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



## Order Numbers

### Pipe Clamp Models

Normally Open (High Level)		Normally Closed (Low Level)	
Part Number	Cable Length	Part Number	Cable Length
7810	15 feet	7818	15 feet
7812	20 feet	7820	20 feet
7814	30 feet	7822	30 feet

### Externally Weighted Models

Normally Open (High Level)		Normally Closed (Low Level)	
Part Number	Cable Length	Part Number	Cable Length
7811	15 feet	7819	15 feet
7813	20 feet	7821	20 feet
7815	30 feet	7823	30 feet

- ▶ For other lengths or wide angle model numbers see the price schedule

## Features

### Patented Mechanical Design

Mechanically activated snap action contacts

### Gold Contacts

Dual Switch Rated

High Voltage: 120/240 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

### UL Listed / 3-Year Warranty

Guaranteed safety and performance

## Specifications

### Electrical

Maximum Electrical Load

120/240 VAC, 0.1A to 4A

Minimum Electrical 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, SJOW (UL, CSA), water resistant, rubber (CPE)

### Switching Differential

10 degrees total

L1130-Rev.A



Leading Edge Control Products

Alarm Systems

Control Panels

Float Switches

Leak Detection Systems