

# Medium Angle - 45 Degree Differential Float Switch

## UNIMAX™ MEDIUM - Control Switch

### Leading Edge Design



#### 1. Environmentally Safe

- ▶ Patented mechanical switching mechanism eliminates the use of hazardous mercury.

#### 2. High Integrity Design

- ▶ 45 degree angle control switch for applications such as solenoid control, pond fill or any application where it's desired to have more than 10 degree differential found on a standard switch.
- ▶ 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

- ▶ 45 degree differential provides precise liquid level monitoring.



### Features

#### Patented Mechanical Design

Mechanically activated snap action contacts

#### 45 Degree Differential

Superior small differential control

#### 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 5 degrees **above** horizontal, signaling a high level and turns off (opens) when the float drops 40 degrees **below** horizontal.

#### Normally Closed (Low Level)

The control switch turns on (closes) when the float drops 40 degrees **below** horizontal, signaling a low level and turns off (opens) when the float tilts 5 degrees **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

4 amps, 120/230 VAC

#### 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

45 degrees total



Leading Edge Control Products

Alarm Systems

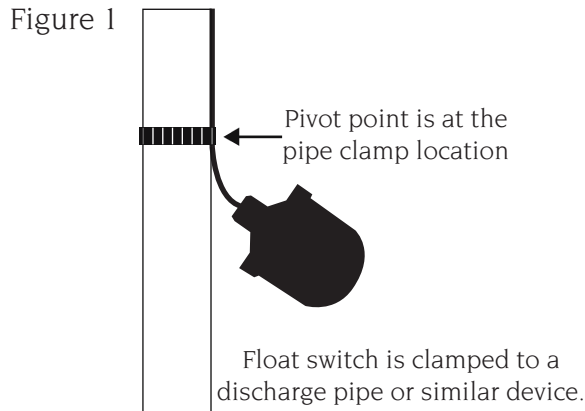
Control Panels

Float Switches

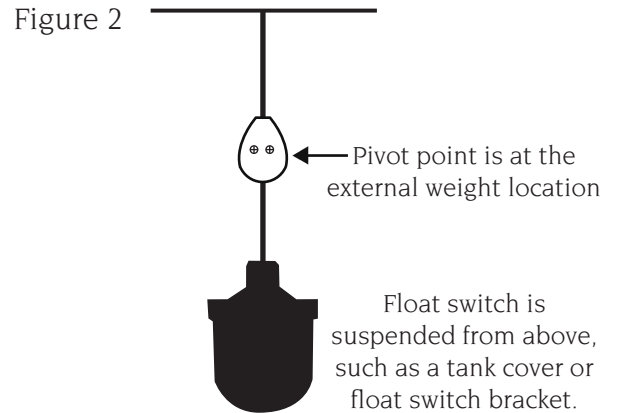
Leak Detection Systems

**Medium Angle - 45 Degree Differential Float Switch**  
**UNIMAX™ MEDIUM - Control Switch**

**Pipe Clamp Models**



**Externally Weighted Models**



**Order Numbers**

Part Number	Description
7875	15' Unimax™ Medium, Control Float Switch, Normally Open, Pipe Clamp (High Level)
7877	20' Unimax™ Medium, Control Float Switch, Normally Open, Pipe Clamp (High Level)
7879	30' Unimax™ Medium, Control Float Switch, Normally Open, Pipe Clamp (High Level)
7881	15' Unimax™ Medium, Control Float Switch, Normally Closed, Pipe Clamp (Low Level)
7883	20' Unimax™ Medium, Control Float Switch, Normally Closed, Pipe Clamp (Low Level)
7885	30' Unimax™ Medium, Control Float Switch, Normally Closed, Pipe Clamp (Low Level)
7876	15' Unimax™ Medium, Control Float Switch, Normally Open, External Weight (High Level)
7878	20' Unimax™ Medium, Control Float Switch, Normally Open, External Weight (High Level)
7880	30' Unimax™ Medium, Control Float Switch, Normally Open, External Weight (High Level)
7882	15' Unimax™ Medium, Control Float Switch, Normally Closed, External Weight (Low Level)
7884	20' Unimax™ Medium, Control Float Switch, Normally Closed, External Weight (Low Level)
7886	30' Unimax™ Medium, Control Float Switch, Normally Closed, External Weight (Low Level)

For longer cord lengths, please consult factory.



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