

# Float Level Switches



Listed



anchor scientific inc.



## roto-float TYPE S - SUSPENDED & TYPE P - PIPE MOUNTED

### TYPES - SUSPENDED & TYPE P - PIPE MOUNTED

The ROTO-FLOAT is a direct acting float switch. Each ROTO-FLOAT contains a single pole mercury switch which actuates when the longitudinal axis of the float is horizontal, and deactuates when the liquid level falls 1" below the actuation elevation.

The float is a chemical resistant polypropylene casing with a firmly bonded electrical cable protruding. One end of the cable is permanently connected to the enclosed mercury switch and the entire assembly is encapsulated to form a completely watertight and impact resistant unit. Type S - Suspended has built-in weight.

ROTO-FLOATS can be mounted on a support pipe (type P) or suspended from above (type S). Advantages of the ROTO-FLOAT are low cost, simplicity and reliability.

NOTE: Mercury switches are not to be used in potable water.

**MATERIALS OF CONSTRUCTION**  
 Float housing.....Polypropylene  
 Cable clamp.....Polypropylene  
 Cable jacket.....P.V.C

### Applications

- Pilot Duty
- Industrial Control Equipment

### CABLE

- P.V.C. type STO #18 conductors (41 strand) rated 600 volts
- Various lengths available
- See table of models
- Non-standard lengths also available on special order.

### Ordering information

Switch Arrangement	Cable Length	Suspended Type S Model No .	Pipe Mounted Type P Model
No.			
Normally	20	S20NO	P20NO
Open	30	S30NO	P30NO
	40	S40NO	P40NO
Normally	20	S20NC	P20NC
	30	S30NC	P30NC



## eco-float Model G

### Applications

The Eco-Float can be used in a variety of liquid level monitoring applications including sumps, sewage ejectors, septic tanks, vaults, lift stations, and tanks. Eco-Floats are ruggedly constructed of corrosion resistant materials, enabling them to be used in a variety of different liquids. Some applications are subject to additional requirements described in the National Electric Code.

### Description

The Eco-float is a **mercury-free** float switch for controlling liquid levels in a variety of applications. A snap-action switch is activated by a steel ball rolling back and forth within a switching tube in a plastic float housing. There is a minimum differential between "on" and "off" of approximately 3.5 inches. Greater differentials can be achieved when the pipe mounted or externally

### FEATURES

- Mercury Free
- Variety of Mounting Styles
- Variety of Circuit Configurations
- Installation Easy
- Differential In One Float
- Replaces Diaphragm and Mercury Switches

### Ordering information

Model	Mounting Style	Cable Length*	Circuit Configuration
G	SE (external weight) SI (internal weight) P (pipe mounted)	10" 15" 20" 30" 40" 50"	NO (normally open) NC (normally closed) NONC (normally open/normally closed)

\* Custom lengths available.

Example: GSI 20NO - Eco-Float, suspended internal wt. 20', normally opens contacts.



## solo-float

### DESCRIPTION

The new Solo-Float" is a direct acting **mercury-free** float switch for controlling 1 1/2 HP and smaller pump motors. The new Solo-Float has been completely redesigned and uses a metal ball rolling back and forth in a tube to actuate a reliable, snap-action switch. An adjustable, plastic clamp with stainless steel hose clamp is provided for attaching the Solo-Float at the appropriate level on the pump discharge pipe. By varying the tether length, a pumping range of 8" - 14" can be achieved. The Solo-Float is available with a piggyback plug in either a 115 volt or 230 volt configuration. It is also available blunt cut, without a plug, for wiring to an Anchor Scientific JX junction box.

### FEATURES

- Reliability
- Adjustable Pumping Range
- Manual Operation
- Non-mercury Element
- Converts Nonautomatic Pumps To Automatic
- Replaces Diaphragm Pressure Switches
- Easy Installation
- In Stock, Low Cost

### Ordering information

Model	Cable Length*	Circuit Configuration	Plug Voltage
D	10' 15' 20' 25' 30'	NO (normally open) NC (normally closed)	115 for 115 volt 230 for 230 volt

\* Custom lengths available.

Example:

Model	Cable Length*	Circuit Configuration	Plug Voltage
D	20'	NO (normally open)	115 for 115 volt

