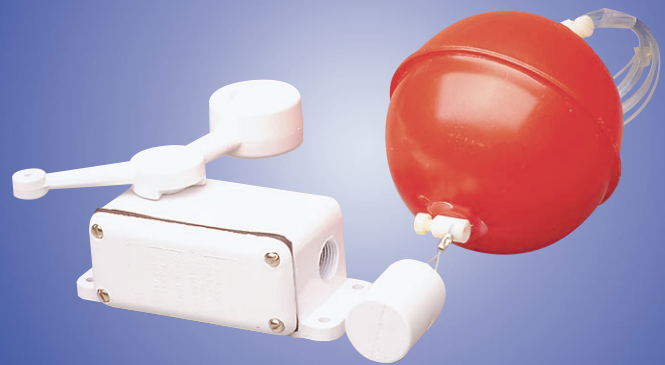


A Versatile and Proven Liquid Level Control Solution

# FLOAT SWITCH

Cat No. FS5



## A Versatile and Proven Liquid Level Control Solution

### FLOAT SWITCH - Cat No. FS5

#### Instruction

The PDL precision snap action Float Switch is designed for operation in magnetically operated motor starting control circuits, or alternatively may be connected directly in the main active switching circuit of single phase motors up to 2hp 250V AC.

The PDL Float switch provides accurate and dependable control of high and low liquid levels. It is designed primarily for operation in fresh or saltwater, alkaline solutions, oils or weak acids, having a specific gravity between 0.9 and 1.1 and a maximum temperature of 38°C.

#### Feature

- Fully sealed alloy enclosure
- Automatic operation
- Easy wiring
- Replaceable micro-switch
- Submersible components are impervious to saltwater, alkaline solutions, oils and weak acids.

#### Uses

Liquid level control in tanks, reservoirs, pits, dams, etc.

#### Construction

The unit incorporates a 20 Amp replaceable Micro-Switch contained in a compact, robust powder coated alloy case, fitted with a rubber gasket cover and neoprene seal on the operating spindle. This permits the units to be installed in locations requiring Dust Tight or Weatherproof enclosure. The non ferrous operation spindle is carried in self lubricating bushings and all working parts are corrosion proofed.

#### Rating

AC:  
20A; 125, 250 or 480V

Motor Starting:  
1hp – 125V AC, 2hp – 250V AC

DC:  
0.5A – 125V, 0.25A – 250V

#### Operating Parts

Terminals are located in a convenient position for easy wiring and M20 screwed conduit entry is provided.

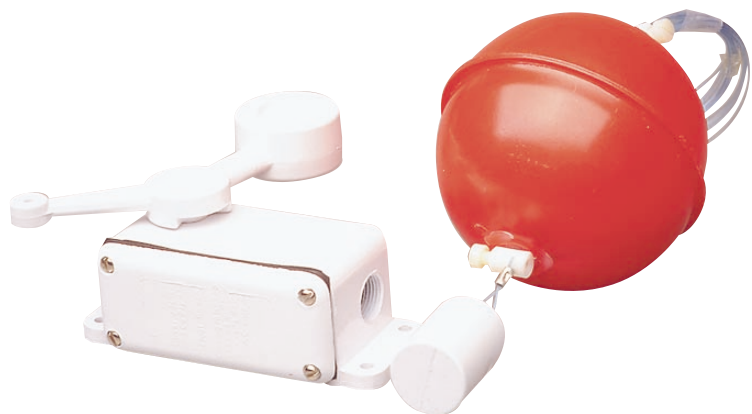
The float has no metal parts and is completely constructed of Poly-Vinyl Chloride (PVC) on a nylon suspension line provided with adjustable nylon upper and lower operating stops.

The line weight is powder coated and is adjustable to any position on the suspension line.

Switches are provided with 2.7m of suspension line, but this length may be increased using nylon line of approx. 1.0mm diameter.

The powder coated alloy operating arm is balanced to match the line weight (when suspended in fluid with a specific gravity of 0.9 to 1.1).

The design provides positive operating effort to the snap action switch mechanism at extremely slow speeds of the float, this ensures positive contact opening and closing eliminating contact chatter.



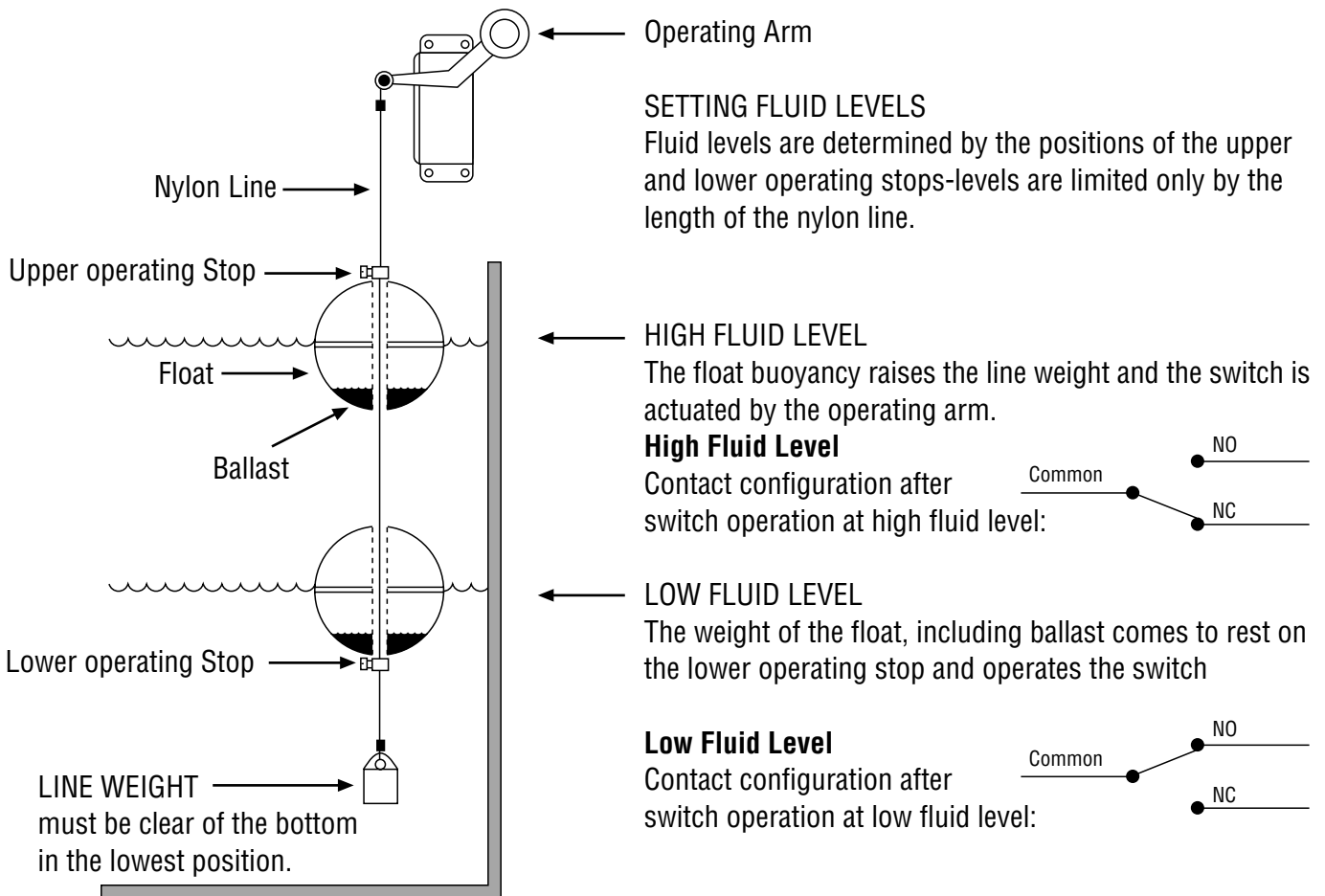
# A Versatile and Proven Liquid Level Control Solution

## FLOAT SWITCH - Cat No. FS5

### Float Switch FS5 and Spare Parts

Cat No.	Description	Ctn Qty
FS5	20A Single Pole Double Throw Float Switch, complete with 2.7m of float suspension line, line weight, operating stops and float ball	1
FS5/1	FS5 Less Line, Float, Weight	1
FS5/2	FS5 Operating Arm Assembly	1
FS5/3	FS5 Float Ball Only	1
FS5/4	FS5 Suspension Line, Operating Stops and Line Weight	1
FS5/6	FS5 Micro-Switch Assembly	1

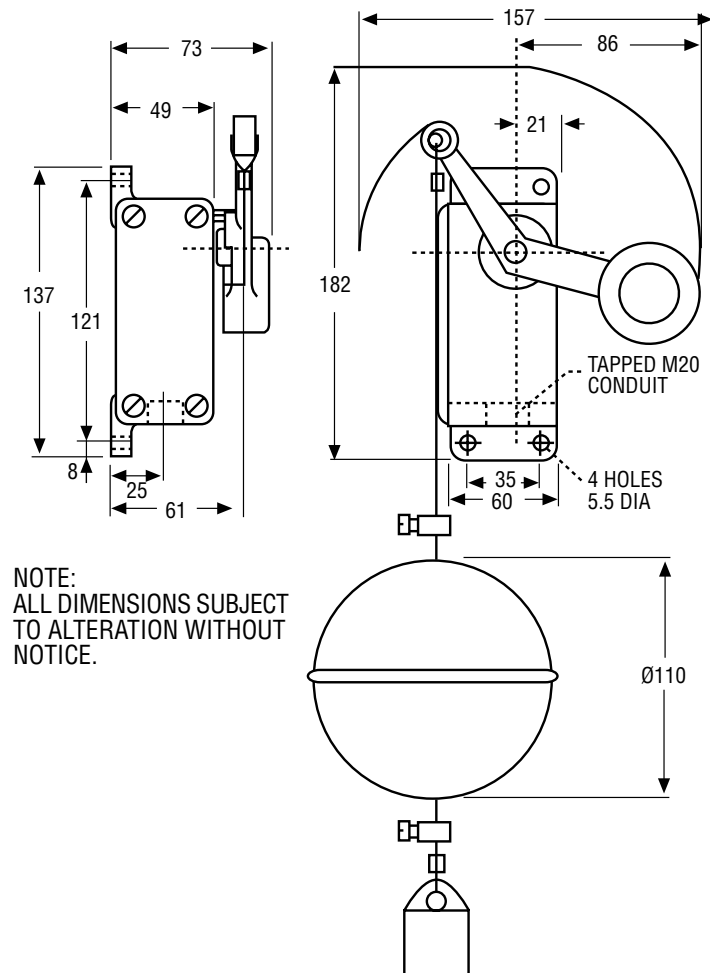
### Float Switch Operation Diagram



## A Versatile and Proven Liquid Level Control Solution

### FLOAT SWITCH - Cat No. FS5

#### Dimensional Drawing



#### HELP CENTRE

Tel: 1300 369 233

Fax: 1300 369 288

Email: [help@schneider.com.au](mailto:help@schneider.com.au)

[www.schneider-electric.com.au](http://www.schneider-electric.com.au)