

# ACTIVE

## FLIC 500 Liquid Level Control System

### MULTIPLE LEVEL INDICATORS, CONTROLLERS & SWITCHES

*Compact - Simple - Reliable - Affordable - Total Liquid Control*

### ***Ideal Level Management System For***

- ☆ **Industrial Waters - DM, DI, Water Treatment Plants, Utilities**
- ☆ **Oils - Fuel, Lubricating, Edible, Cosmetic**
- ☆ **Effluent, Waste Water, Sewage Treatment Plants**
- ☆ **Dyes and Chemicals**
- ☆ **Breweries, Distilleries**
- ☆ **Pharmaceutical and Cosmetics Industry**
- ☆ **Sugar, Solvent Extraction, Food Processing, Dairy**
- ☆ **Any Pump - Any Tank - Any Liquid - Anywhere**



## APPLICATION

The **ACTIVE Liquid Level Control System** FLIC 500 is used for *monitoring of liquid levels in tanks*, such as underground tanks, overhead tanks, reservoirs, silos, dams, and in process control monitoring etc., and gives requisite **level indication, at a remote location on a panel**. **The indication is visual, with audio warning alarm at desired levels.**

The liquid may be acidic, alkaline, oil, water, effluent waste water, or petroleum based. It may be moving, turbulent or static. The indication system is well suited for any size or depth of tank, and can give resolution in desired number of steps. The system is extremely useful in monitoring liquid levels. It can be used in any location and is safety designed.

For Automation, FLIC V1 or FLIC V2 can be incorporated to automatically operate a pump or valve of any rating at any specified level. The systems are very versatile and a number of variations like control of multiple tanks, or multiple pumps are possible. Customized solutions are provided

## OPERATION

The operation is based on **magnetic sensing of levels**. It operates on the principle of a guided 'Float' riding on a Stainless Steel Probe Unit. The probe unit has a number of sensors enclosed inside and sealed. Vertical movement of the float actuate the sensors magnetically. The signal from the sensors is received by the Display cum Control panel (which can be place at a remote location). This unit indicates Liquid levels in stages and provides necessary outputs of alarms and automatic control at the desired levels.

## ADVANTAGES

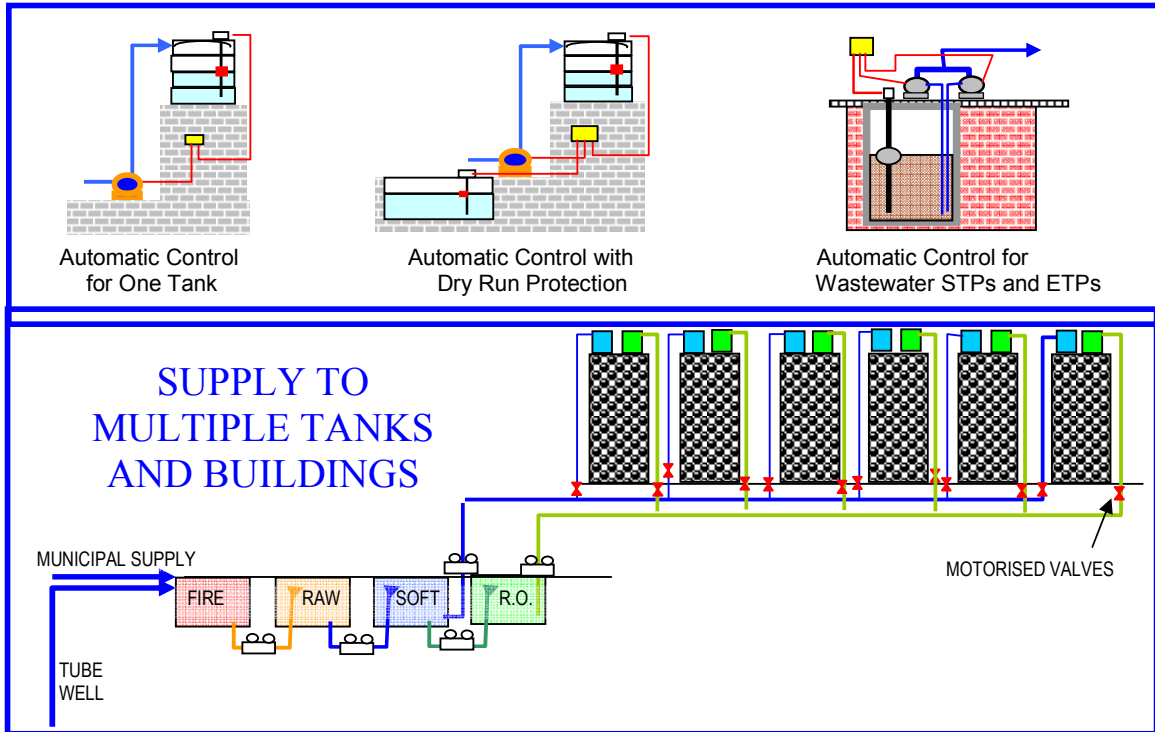
Since the sensors are not in contact with the liquid, and operate magnetically .....

1. **The systems are Maintenance Free**
2. **These are not affected or corroded due to liquid characteristic properties.**

## SPECIAL APPLICATIONS

**Custom designed systems are provided for WP/FLP/Pressurized and Hot water applications. Centralized control system for a network of pumps, tanks and movement of liquid in any process.**

## APPLICATIONS

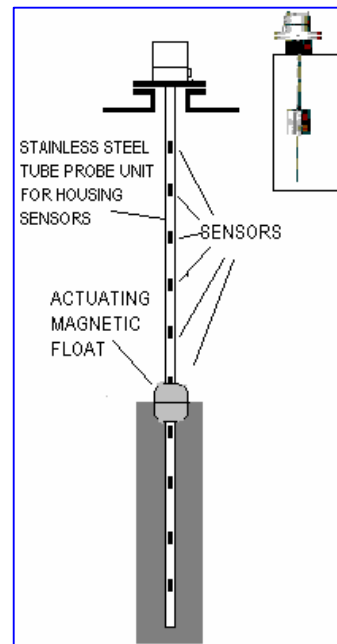


## SPECIFICATIONS

Power Supply input 220 V AC  
 Internal Voltage 12 V DC  
 Sensing System Magnetic Level Sensing

## OUTPUTS

|                    |   |
|--------------------|---|
| Display            | L.E.D.s in multi-level indication<br>(Standard unit has 5 levels of 20% each) |
| Alarm              | Audio with acknowledge facility   |
| Display Unit       | Percentage/ meters/ cm as desired   |
| Resolution         | Minimum 60 mm   |
| Signaling Distance | Upto 300 meters (Please specify)  |
| Power Consumption  | 0.25 watts  |
| Depth of Tank      | Normally up to 6 m (For more specify)   |
| Types of Liquids   | Most liquids with sp. gr. up to 1.2, temp 120°C                               |
| Mounting           | Flange ASA 150, Mounting Bracket as required                                  |
| Material           | Panel MS*/ SS   |
|                    | Probe SS 304/ 316 /PP   |
|                    | CPVC * For domestic applications  |
|                    | Actuating Float Polypropylene ( Domestic + plain Water + Industrial)          |
|                    | SS For Industrial / Heavy Duty applications                                   |



*Manufactured by*

**ACTIVE CONTROLS**

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