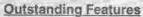
FLOAT OPERATED LIQUID



INDICATOR TRANSMITTER & CONTROLLER



- Precalibrated at Factory-No Field Calibration required
- 4-20 mA processed output signal, 2 or 4 wire units
- Continuous 'Float Type' Analog Sensor, in materials, resistive to most liquids
- High Accuracy & Repeatability
- Adjustable, Multiple Alarm Relays
- Customized lengths upto 6 meters
- Liquid Level or Liquid/Liquid Interface Detection.

Introduction: Float operated liquid level transmitter, indicator and controller, comprises of a level transducer and a signal converter and is used for continuous level indication and control of any liquid, chemically compatible with the transducer material, unaffected by electrical conductivity, temperature, pressure or Viscosity. The Floats are designed for variety of liquids and its unique self cleaning construction is well suited for even sticky or dirty environments, reliability and accuracy-this is an deal transmitter.

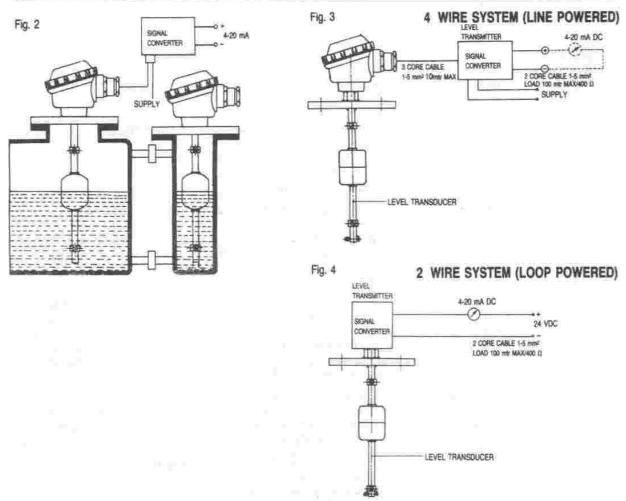
Operating Principle: The unit operates on the principle of buoyancy. During the rise and fall of liquid level, the Ficat moves and the magnetic field change and actuates the chain which develops a proportional voltage. The sensed voltage is fed to a transmitter for converting it to a signal of 0-5 V Dc or 4-20 mA. The transmitter can also be incorporated with a digital display or stepless adjustable multiple alarm relays (featuring high level alarm, low level alarm, or both & low level pump (or solenoid valve) on & high level off and vice - versa.

Construction: The transducer consist of a float and guide tube assembly in non magnetic material to achieve undisturbed flux (fig.1). The float can be in nylon, PP or SS. No gasket or seals are used and there is only one moving part, the float assuring long trouble free life. Being entirely glandless, there is no possibility of fluid leakage into the transducer.

Installation and Wiring: The transducer is mounted internally and externally through a chamber (fig.2) by means of a flange connection. External mounting is adopted to overcome limited space within the tank or where mechanical devices operate or where isolation tank is required for regular servicing. The transducer is precalibrated in the factory and comes to you ready for installations. For operation of level transducer, it has to work in conjuction, with a signal converter, which have line or loop powered electronics. Line powered transmitter (fig.3) can be incorporated with a digital display and/or adjustable multiple alarm relays. Loop powered transmitter (fig.4) is employed for remote signalling to a process indicator/controller.

Application: Tanks for Oil, Fuel, Milk, Chemicals, Pure/Industrial Water, Ship/LPG Tanks, Pressurized Vessels, Waste Water and Sewage Treatment Plants

Specifications: Level Transducer Measuring range :6 meters max. Installation Top with 80-100 NB flange in SS 304/316/pp/ptfe lined Float 75/100mmdin SS 304/316/pp/ptfe coated Accuracy at Range = 1000mm : 7 1% FS Guide Tube SS 304/316/pp/ptfe coated : SS/ptfe: 100°c / PP: 80° c 2000mm : ∓ 0.5%FS Max. Temp. SS/ptfe coated: 15 Kg/Cm2g / PP: 1Kg/Cm2g 4000mm: # 0.25%FS Max Pressure : Enclosure Protection: Weather proof to IP 65 Signal Converter 4 wire system 2 wire system Electronics Line powered, Nonintegral with Transducer Loop powered, integral with transducer Variable resistance from transducer Variable resistance from transducer input O/P 4-20mA (Optional 0-20mA or 0-5V DC) 400 Ohms Max. load 400 Ohms 24V DC/220V AC 24V DC Supply Digital Display (Optional) 3½ digits (% of Engg Units) Multiple stepless adjustable, O/P relays rated for 5A, 230 V AC Control (Optional) Wall/Panel Version. Protection IP 30/IP 65 Enclosure



Continuous development of our product may necessiate change in these details without notice

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