



SAHANA ENGINEERING

Percentage Level Indicator





Percentage Level Indicator is used to know the level of liquid in storage or process tank. The unit consist of a Percentage Level Sensor mounted inside the tank & a Digital Level Indicator mounted in control room or pump room or user accessible area.

Sensor:

The Percentage Level Sensor is a Magnetic Float Operated Level Sensor with ten set point with each set point equal to 10% of the tank depth. The sensor gives variable resistance output from zero U to 2.5k U. For each set point the output resistance will increase by 250 U.

Indicator:

Digital level indicator is a microcontroller bases electronic unit for display of level in percentage. The level is displayed as 0%, 10%, 20%, 30%, 40%80%, 90% & 100%. The display is through Seven Segment bright LED display. The unit is connected to Percentage Level Indicator supplied by us. Digital Level Indicator comes with a unique feature of Dual option of Pump control Or Alarm facility. The unit can be used to either switch ON & OFF the Pump or provide High & Low level Alarm by selecting suitable DIP switch.

Pump ON & OFF is provide in two modes :

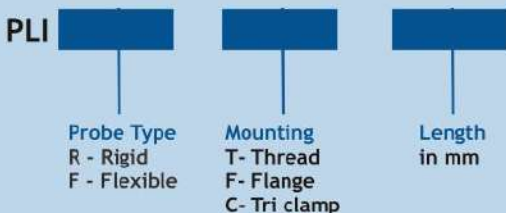
1. Pump UP mode: To Fill the tank. Here the Pump is ON at Low level & OFF at High Level. The High & Low levels are field selectable between ten steps.
2. Pump DOWN mode: To Empty the tank. Here the Pump is ON at High level & OFF at Low Level. The High & Low levels are field selectable between ten steps.

Auto/Manual selector switch is provided for manual intervention. Similarly Alarm is between Low & High Level which is field selectable between ten steps. Digital Level Indicator also provides optional 4-20mA output. It is very useful for Water Sumps, Overhead Tanks, Diesel Storage Tanks, Diesel Day Oil Tanks, Oil tanks, chemical tanks, Storage Tanks Etc.

Technical Data

- Supply Voltage : 95-280VAC,50Hz.
- Power Consumption : 3VA.
- Output : 4-20mA / 0-10V DC
- Outputs : Pump Relay - 2NO Rated 5A@ 250V AC Resistive Load.
- Facility Available : Alarm Relay - 1C/O Rated 10A@ 250V AC Resistive Load.
- Pump Relay Settings : Analogue O/P - 0 - 10V DC/15mA.
- Alarm Relay Settings : Pump mode / Drain mode (p / d) Programmable.
High Level -10 to 100 % Programmable. Low Level - 0 to 90 % Programmable.
High Level -10 to 100 % Programmable. Low Level - 0 to 90 % Programmable.

Ordering Information



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