

## DIFFERENTIAL LEVEL INDICATOR CUM CONTROLLER

**MODEL: DLI-100**

The differential type level indicator cum controller is used for measurement of difference of two liquid levels. The level is detected by capacitance principle. The capacitance is formed between the active electrode (flexible Teflon taped wire) and the reference wire. As the liquid level rises(or falls) the capacitance between the active electrode and reference increases(or decreases) which is converted into equivalent signal. The output of two

probe unit is fed to the controller unit to display the difference in level and operate alarm output at any desired differential level.

### FEATURES

- ☞ Continuous Differential Level Monitoring
- ☞ Flexible Design- Control unit Interfaces with two wire loop Powered Transmitter
- ☞ Max. 3 Nos. Adjustable switch points
- ☞ 4-20mA Output (Differential as well Individual level)
- ☞ Measurement upto 20meter
- ☞ No moving parts
- ☞ Time delay to avoid relay chattering due to turbulence in level



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## DIFFERENTIAL LEVEL INDICATOR CUM CONTROLLER

### SPECIFICATIONS

#### i)Probe Unit(Transmitter)

MOUNTING : Flanged .

LENGTH: As per requirement

REFERENCE: Wire

TEMPERATURE : 0-80°C (upto 150°C with extension pipe or heat sink )

SUPPLY: 12 to 18VDC from controller unit.

OUTPUT: 4-20mA(loop powered two wire)

#### ii)Controller unit

SUPPLY VOLTAGE : 230VAC /110VAC

OUTPUT

No. of Alarm points: 3(max) , adjustable throughout the differential range

Type : DPDT Relay

Contact rating : 5 AMPS at 230VAC /24VDC , Resistive load

Time delay for alarm point: 0 to 10 second (adjustable), along with ON and OFF delay feature.

RETRANSMISSION OUTPUT :

4 to 20mA current signal proportional to actual level with max load of 450 ohm.

4 to 20mA current signal proportional to differential level with max load of 450 ohm

TEMPERATURE Electronics : 0-60°C

Ambient temperature : 60 °C(Max)

INDICATION: Differential Level Display- Digital ( seven segment)

Alarm- Red LED



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