

TECHWAY INSTRUMENTS

CONDUCTIVITY LEVEL SWITCH



This conductive type level sensor is for liquids having conductivity equal to or more than 25m Siemens. It is most economical solution as a water level switch. The system is very easy to install as no special cable is required for signal transmission. The level probe and the evaluation unit can be connected using a long cable. The PVC coating is provided on the probe for preventing electrode deterioration. You can choose from among a variety of level control and installation systems such as:-

- Two point sensors for independent switching and automatic control of pump.
- Four point switching with two pump control logic.
- Three point switching: two for pump control logic and one independent point with or without a settable delay (for probe covered or uncovered).
- A variety of probes is available for your specific process.

Applications:-

The Techway series water level switches work to maintain a constant water level avoiding material wastage in your process plant. Common applications also include switching pumps on and off to avoid overflow, dry running and indicating water level in an empty tank to avoid wear and tear and production stoppage. Many of our customers in the Food, Power, Chemicals, Sugar, Detergent, Steel, Minerals and Textile industry are using Techway series water level sensor getting upmost performance result.

Principle:-

A low AC voltage is applied between the probe electrode and the tank wall (or reference electrode in case of insulated tank). When the water/liquid comes in contact with the electrode tip, a conductive path is established between the sensing electrode and the tank wall/reference electrode. This current is sensed, amplified and made to operate a relay whose contacts in turn can be used for annunciation/control.

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