

Electric Tank Transmitter Model 2-412



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Direct Lift Magnetic Float Type

Description: The Direct Lift Magnetic Float type liquid level transmitter, Model 2-412, utilizes a unique method of introducing a change in the electric signal to a remote indication device. The system is basically very simple in mechanical design and electrical concept. The transmitter consists of a sealed tube extending the depth of the tank around which a "do-nut" float is free to move up or down as the tank liquid level changes. The float contains an embedded magnet that provides a continuous uninterrupted electric signal to a remote analog or digital indicating device. The slightest change in the float level instantly changes the transmission signal. Being a float operated device its reliability and accuracy is unaffected by variation of the liquid specific gravity.

Material: The standard Direct Lift tank assembly consists of a 3 5/8" diameter stainless steel float, properly guided to move freely on the 1/2" stainless steel tube. The mounting assembly on top of the tank has an explosion proof conduit housing attached to a 4" bushing. The float and stainless steel tubing are installed through the 4" tank opening.

Installation

The installation is easily accomplished by installing through the appropriate tank opening and attaching to the tank. The transmitter may be mounted on a standpipe extending above the tank, provided the company is informed prior to fabrication. Electrical adjustments if required, are made at the indicator. The tank unit is pre-set and no adjustments should be necessary. Standard electrical wiring and wiring practices should be followed. The low voltage wiring must be run in a separate conduit containing no line voltage. When the tank is underground an access chamber large enough to permit removal and servicing must be provided.

