

TFLS - Tuning Fork Level Switch



Tuning fork level switch is widely used in petrochemical, light industry, food and water treatment industries. To control the level automatically.

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Tuning Fork Switch vibrates to tuning fork by piezoelectric crystal and inherent frequency of tuning fork. It can monitor continuously to the change of frequency. When the tuning fork switch is used for low alarm (or low position control), the medium in the vessel is discharged downward passing through the tuning fork. When it is lower than the specific location and change the inherent frequency, this change is detected by electronic component, the output state is shifted; when it is used for high alarm (or high position control), the medium in the vessel go upward and contact with tuning fork which can shift the output state.

Plenty of researches make the tuning fork technology get the greatest operating efficiency which enable the product apply to any liquid, including coating liquid (eliminate tuning adhesion and joint), aerated liquid, serous fluid and good flow without adhesion of powder. Both occasion which using float liquid lever switch and which cannot use float liquid level switch due to structure, turbulent flow, agitation, air bubble or vibration can use tuning fork level switch. As Tuning Fork Switch has not moving parts, there is no need to maintain or regulate, it is the advanced product comparatively to float level switch. Tuning fork switch is widely used in the field of petrification, light industry and water treatment for controlling level and alarming automatically.