

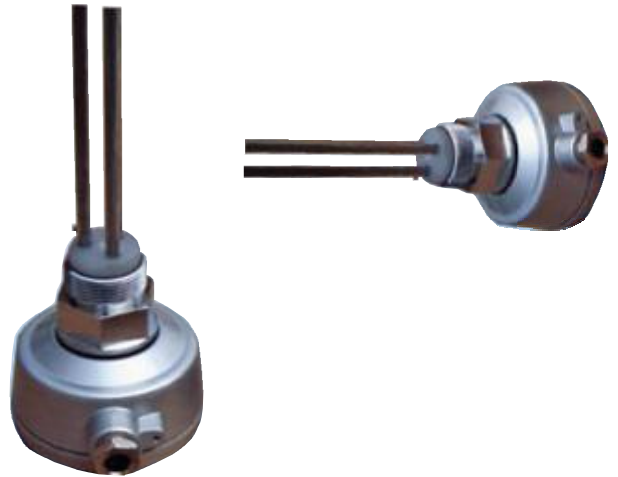
WD-UQK-245型 电极液位开关

WD-UQK-245 SERIES ELECTRODE LEVEL SWITCH

概述 Introduction

本控制器是利用液体的导电性能，完成对液位高度进行检测和控制的仪表。由于采用交流信号，所以防止了电极的电镀和电解效应，使电极不会因受腐蚀和积垢而失效。本控制器功能分单/双通路，单通道可实现一点液位的高度报警或控制，双通道可实现上、下限两点液位高度报警或控制以及二个液缸的液位高度报警。适用于医药、食品、水处理、化工等行业的液位上、下限报警及自动给、排水控制。

The controller uses the electric conductivity of liquid for the examination and the controlling the liquid level. Because of using the alternating current signal, it can prevent the electrode galvanization and the electrolytic effect, protect the electrode from corroding. The controller can work as both one-way and double-way. The one-way may alarm or control liquid level, the double-way may realize to alarm or control of the high and low level, also can alarm levels of two tank. It is suitable to the medicine, food, water treatment, chemical industry, to realize alarming of the high, low level and control giving and draining water automatically.



主要技术指标 Technical Parameter

工作电源Supply Power: AC220V \pm 10% 50Hz或DC24V

功率Power: \leq 3W

环境温度Environment Temp: $-30\sim 50^{\circ}\text{C}$

介质温度Medium Temp: $-30\sim 250^{\circ}\text{C}$

介质压力Medium Press: 1MPa

液体电导率Liquid Conductivity: 等于或小于equal or less than 200K.CM

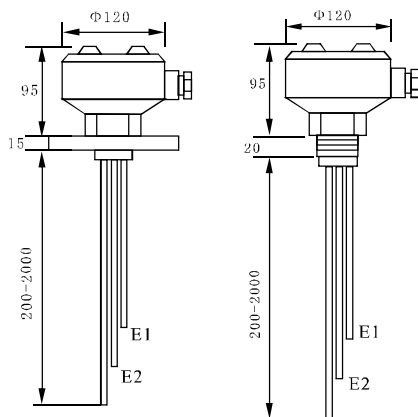
输出方式Output: 继电器常开、常闭触点relay contact: normal-open & normal-close

(触点容量contact capacity AC220V 1A; DC24V 0.5A)

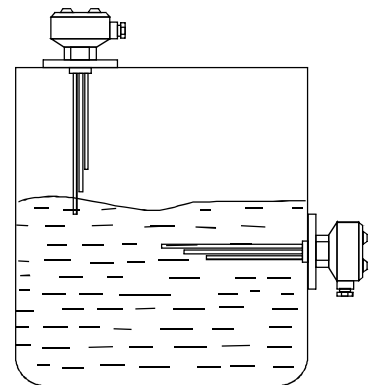
电极材料Electrode material: 不锈钢stainless steel

外形尺寸及安装方式 Outsize & Installment

图一
外形尺寸 outsize



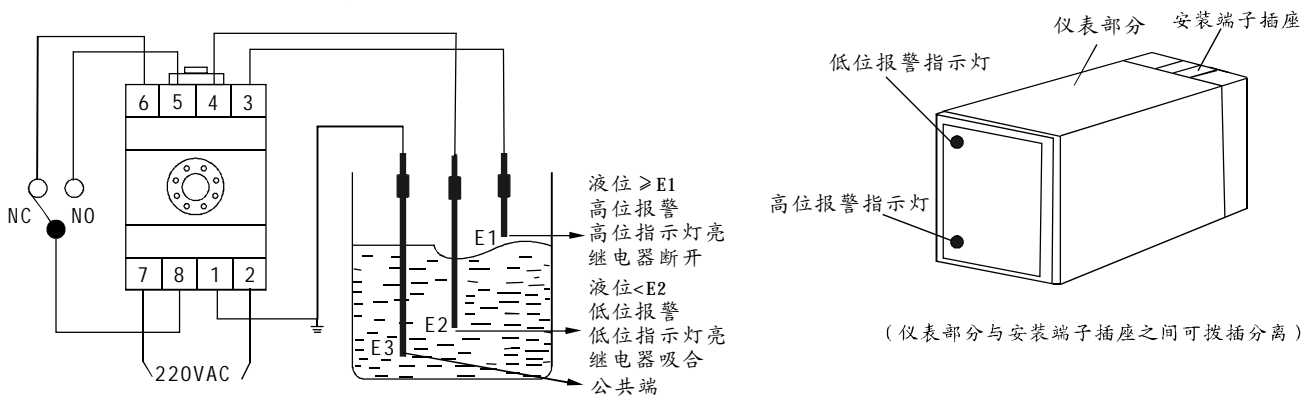
图二
安装方式 installment



型号规格表 Model And Spec

WD-UQK-245	电极液位开关 Electrode Level Switch				
	D	单通道 one-way			
	S	双通道 twice-way			
	A	AC220V			
	D	DC24V			
		<input type="checkbox"/>	探极长度E1(mm)electrode length E1		
		<input type="checkbox"/>	探极长度E2(mm)electrode length E2		
		<input type="checkbox"/>	探极长度E3(mm)electrode length E3		
WD-UQK-245	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>
★ 其他特殊要求可在订货时注明					

电气接线图 Electric Wiring



备注: 如需得到上下限两组常开常闭触点信号, 可用一个电极传感器配接两个仪表, 接线方法: 低位: E3、E2接第一个仪表1、3
高位: E3、E1接第二个仪表1、3

选型注意事项 Attention For Selection

★ 安装电极时应使电极与电极之间、电极与金属仓壁之间相互绝缘。电极间距离一般为5~50cm, 对于导电能力较高的液体距离可远一些, 对于导电能力较低的液体距离应近些。

The electrode installment should ensure insulation between the electrode and the electrode, between the electrode and the metal warehouse. Distance of the electrodes is about 5- 50cm, the distance may be far if the liquid is high electric conduction ability, otherwise the distance may be short.

★ 作为自动液位控制时, 应使用三根长度不同的电极。
Use three-different-long electrodes when automatic control

★ 可用胶带缠绕在电极上防止电极相互接触, 但不能缠到尽头, 至少留出100mm的长度。

To twine on the electrode with the adhesive tape to prevent the electrode mutually contacts, but not entangle terminus, at least keeps 100mm length.

★ 电极连线最好用绞合线, 不必用屏蔽线, 并与电源线分开, 避免与高压线平行铺设。

The best choice of the electrode segment is twisted wire, don't need shielded wire, and is separated with the power line, avoid laying down with the high tension line parallely.

★ 二次仪表不要和大容量的电磁开关并列安装。

Twice-measuring instrument must not install paralled with the large capacity magnetic switch .