

## WD-FK系列小型浮球开关

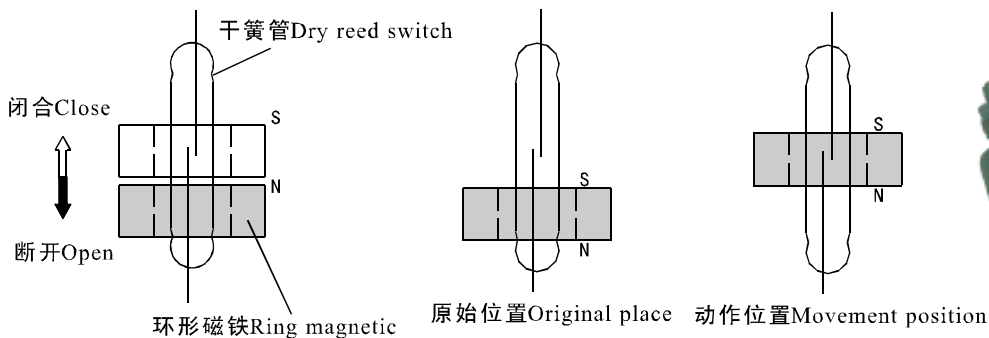
### WD-FK SERIES SMALL FLOAT SWITCH

#### 概述 Introduction

FK系列浮球开关是一种结构简单、使用方便、安全可靠的液位控制器件，它具有比一般机械开关体积小、速度快、工作寿命长的特点，与电子开关相比，它又有抗负载冲击能力强的特点，其在造船、造纸、印刷、发电机设备、石油化工、食品工业、水处理、电工、染料工业，油压机械等方面都得到了广泛的应用。

FK series float switch is used for liquid level control, simple in structure, easy to install, safety and reliability. The switch is smaller, faster, longer life than mechanical switch. Also more strong load proof than electric, switch. It is widely applied in the fields of shipment, print, gen-set, petroleum, foodstuff, water-deal, electronics etc.

#### 原理简介 Principle



在密闭的非导磁性管内安装有一个或多个干簧管，然后将此管穿过一个或多个且内部有环形磁铁的浮球的孔内，液体的上升或下降将带动浮球一起上下移动，非导磁性管内的干簧管产生吸合或断开的动作，从而输出一个开关量信号（如上图所示）。

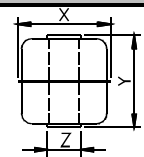
Install one or more dry reed switch in close tube which can not pass magnetic, the tube pass one or more float with ring magnetic, float up and down with level, dry reed switch in tube open or close to output switch signal.

#### 主要技术参数 Main Technical parameter

- 触点容量Contact capacity: 70W / SPST
- 开关电压Switch voltage: 220VAC / 200VDC
- 开关电流Switch current: 0.7A
- 绝缘阻抗Insulate resistance:  $>10^9 \Omega$
- 触点阻抗Contact resistance:  $<100M\Omega$
- 阻性负载Resistance load:  $10^7 \Omega$
- 工作温度Operating temperature:  $-10^\circ\text{C} \sim 120^\circ\text{C}$
- 工作压力Operating pressure:  $\leq 1.0\text{MPa}$
- 介质密度Medium density:  $\geq 0.6\text{g/cm}^3$
- 开关材料Switch material: SUS304 或 SUS316

※注：SUS304相当于国际0Cr18Ni9 SUS316相当于国际0Cr18Ni12Mo2Ti SPST为单刀单掷。

#### 浮球参数 Float parameter

	型号 Model	规格尺寸 Size $\phi X-Y-\phi Z$	比重 Density S.G.	耐压 Pressure (Mpa)	重量 Weight (g)	材质 Material	耐温 Temperature ( $^\circ\text{C}$ )
	A	$\phi 28-28-\phi 9.5$	$>0.75$	1.5	8	SUS316	200
	B	$\phi 45-55-\phi 15$	$>0.60$	2.0	36	SUS316	200