China TianKang TKWL-2201 Rotary Paddle Level Switch is a level controller for solid materials(including powder,block,granule,glue,etc.).It has good tightness,strong overload capacity,portable and easy to install and with large output contact capacity and so on. The tension of the spring can be adjusted for materials with different specific gravity. The anti-rotary switch has been widely used in chemical industry,plastics, cement, pharmaceutical industry, fodder industry and food industry.

China TianKang TKWL-2201 Rotary Paddle Level Switch Working principle

The motor drives the blade to rotate. When the measured medium reaches the blade position, the blade is blocked and stops rotating, thus triggering the micro switch behind to output the switching signal. When the level of measured medium declined and left away the blade, the blade will resume its original position and continue to rotate under the action of the spring. The tension force of the spring can be adjusted according to the specific gravity of the measured medium. The springis adjusted to be the strongest when the specific gravity of material is heavy. Otherwise, the spring is adjusted to be the weakest position.

China TianKang TKWL-2201 Rotary Paddle Level Switch characteristics

1. Original sealing design can prevent dust infiltration;
2. Stable and reliable torque and adjustable torque;
3. The blade can bear overweight load and the clutch slips automatically,protecting the motor from damage;
4.The separated mechanical and electrical structure, free of disassembly and easy for maintenance;
5. Special blades can be used with low density materials;
6. It is widely applicable to steel,cement,power,fodder,chemical plastics and chemical fertilizer,etc.

China TianKang TKWL-2201 Rotary Paddle Level Switch Technical parameters

1.Powersupply:220VAC、110VAC、24VDC
2.Power consumption:3W
3.Contact capacity:5A/250VAC SPDT
4.Blade speed:counterclockwise 1rp.m.(r/min)
5.Moment of force:10kg·m(1.0n·m)
6.Material density:>0.4g/cm3
7.Working temperature:-20~80℃(the highest temperature can reach400℃,must accept customization)
8. Insulation resistance:>100MQ(500 VDC)
9.Dielectric strength:1500V 1min

China TianKang TKWL-2201 Rotary Paddle Level Switch Ordering Information

TKWL-2201						
	连轴形式 Forms of Connecting Shaft					
	1	普通型 Ordinary type				
	2	轴保护管型 Protected tube type				
	3	高温型 High temperature type				
	4	高温轴保护管型 High temperature and protected tube type				
		安装方式 Installation Method				
		L	标准螺纹G1 Standard thread G1			
		F	法兰安装 Flange installation			
		T	特殊安装 Special installation			
			叶片形式 Blade Forms			
			A	镰刀型 Reaping hook type		
			B	65*80		
			C	其他形式 Other forms		
				电源 Power supply		
				1	24VDC	
				2	220VAC	