

## ROTARY PADDLE LEVEL SWITCH Code : ESMZX-10

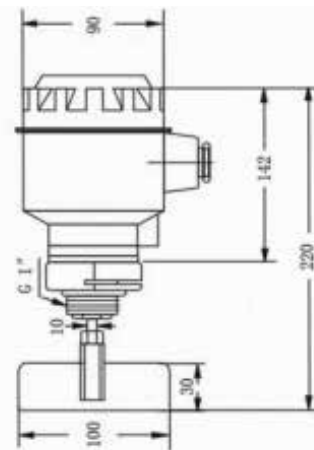
The purpose of SE series operating principle of the rotary paddle level switch is to detect the presence of solid/powdery material in most kinds of tanks, bins and containers. The unit is usually located through a bin wall at the top, middle or low level of a bin. During normal operation a synchronous motor rotates the paddle at RPM. When this paddle rotation is impeded by material, surrounding the paddle, motor will stall and cause the Micro-switch to change state (indicating an alarm or control). If the rotary paddle bears an extra over load, the motor will be appeared slide to prevent the inside mechanism damaged. The performance of torsion is stable and Reliable

### General Attributes

- Power source : 220VAC,DC24V
- Contact capacity : 250VAC/5A SPDT, DC10A/24V
- Power consumption : 4W
- Blade speed : Blade speed: 1RPM (rev / min)
- Torque : 1.0N.m
- Material specific gravity :  $\geq 0.5\text{g/cm}^3$
- Working temperature :  $-20^{\circ}\text{C}$ ~ $80^{\circ}\text{C}$ ,  $-20$ ~ $100^{\circ}\text{C}$ ,  $200^{\circ}\text{C}$
- Protection class : IP 65

### Application Notes

Plastics and synthetics  
Chemicals and fertilizer  
Pharmaceuticals  
Food and beverage,  
Agriculture and fodder mills/depots  
Cement as well as ceramics  
Power plants  
Various incinerators



**Wiring diagram**