

# SWING TYPE LEVEL SWITCH

Model **SWM** **SWINGMASTER**

Epoch-making Level Switch for powder  
[ Can be a standard for years to come ]



Level Switch in a new category  
"SWING MASTER"



An isolation completely separates the electronic  
circuit from the swing unit.  
A utility level switch for various applications

# THE SWING MOVEMENT STANDS ON SOPHISTICATED PRINCIPLES

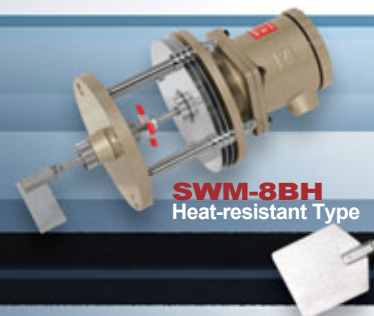
One and only development for Powder Level Switch, based on our extensive experiences.



## WHY IS INSTANTANEOUS EFFECTIVE?

The instantaneous movements ensure the following:

- Reliably detect powders with low specific gravity as well!
- Hardly affected by contamination, it can be applied to any substances to be measured.
- Even if the paddle is buried, the torque is constant and its reversion is stable.



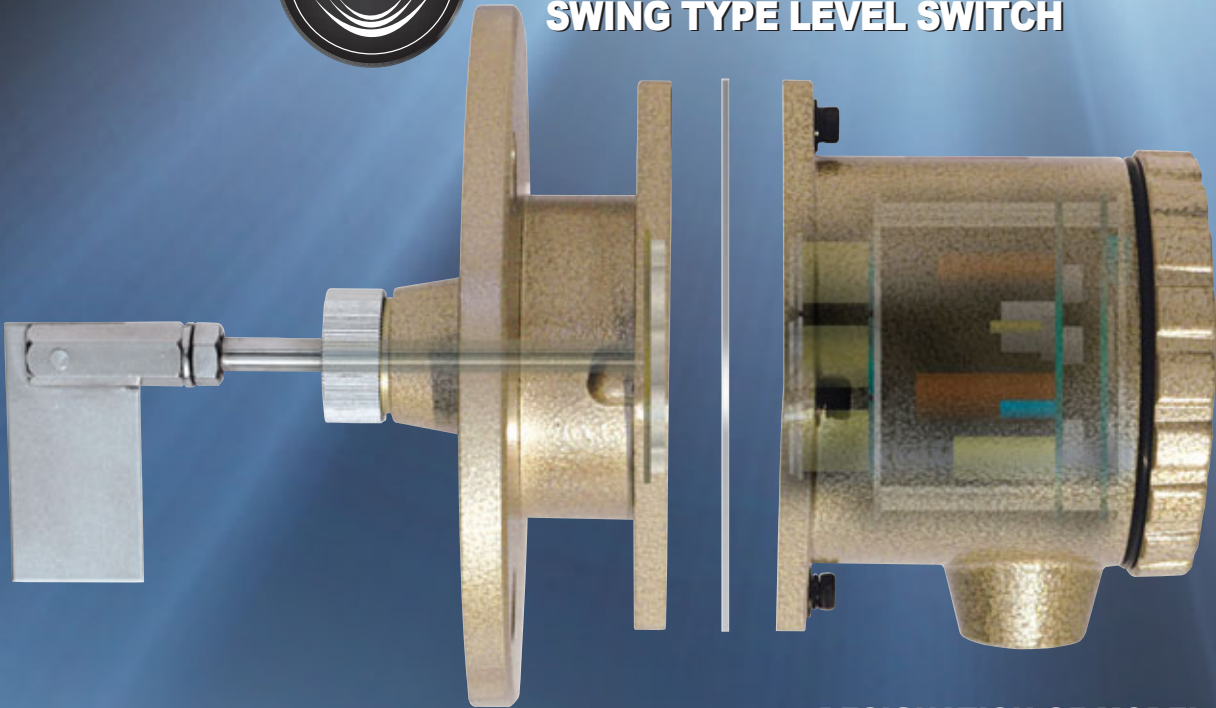
### ■ Standard Specification

<p><b>Power</b> : 100~240VAC 50/60Hz (Allowable range 85~250VAC)</p> <p><b>Power Requirements</b> : 12W</p> <p><b>Output</b> : Relay contact 1C (250VAC 5A)</p> <p><b>Measuring Interval</b> : about 5 seconds</p> <p><b>Temperature</b> : Ambient 50°C Inside Tank 60°C (Max 250°C /Withstand pressure 19.6KPa) Consult with us for high temperature/pressure.</p> <p><b>Withstand Pressure</b> : 0.2MPa Option 0.5MPa</p>	<p><b>Detection</b> : Specific Gravity over 0.1</p> <p><b>Display</b> : LED in green → indicate (on swing)</p> <p><b>Installation</b> : LED in red → indicate (detecting) Flange 5K65A JIS equiv</p> <p><b>Housing</b> : Material AC Material AC Protection grade IP55 equiv. Painted Color hammer-net gold</p> <p><b>Paddle/ Main Shaft</b> : Material 304SS</p> <p><b>Cable conduit</b> : G1/2</p>
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# SWM SWINGMASTER

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### REASONS FOR A ISOLATION BEING APPLIED

Transmittance of movements from electronic circuit to swinging part by using a magnetic force via the isolation enables the following:

- To prevent measured substances from intruding into instruments.
- To ignore an excessive load from the paddle.
- It can be applied to high-pressured tanks as well. (Standard 0.2Mpa, option 0.5Mpa)

### DESIGNATION OF MODEL

SWM-□□□□□□

#### Shape of Detector

- S Protective-tube Extension Type
- F Flexible Type
- A Shaft-length Adjustment Type
- Y Protective-cover Type
- H Heat-resistant Type (Max 250°C/  
Withstand Pressure 19.6KPa)  
\*Consult with us for high temperature/pressure.

#### Shape of Main body

- 8B 8B Shaft Φ8
- 15B 15B Shaft Φ15

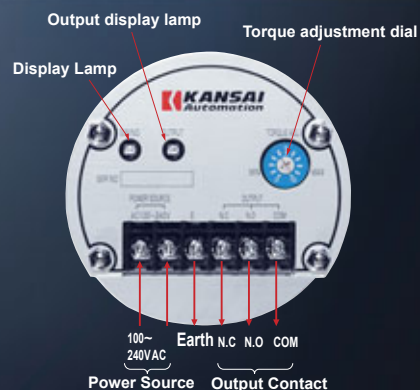


**SWM-8BA**  
Shaft-length Adjustment Type

**SWM-15B**  
Load resistance Type

**SWM-8B (SUS)**  
Standard Type

### Amplifier wiring



### WHY IS THE ELECTRONIC MOTIVITY APPLIED?

A driving force by not a motor but an electronic circuit realizes the following:

- The torque is constant for a long period of time, and its operation is stable.
- There being no moving part such as gear, clutch and so on, it secures a dramatically long life.
- The unit comes up with the universal power supply(100~240VAC) that was likely impossible in this product category



