TC-1
TC-3
Tilt Switch

KEL-2 Leak Type Level Switch

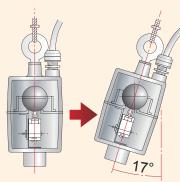


Level measurement with reliable operation!



■ Principle of Operation

When the body suspended from the ceiling of a tank tilts due to the repose angle of the measured object, the switch detects its tilt, by which the contact is switched.



It houses steel ball inside and when the body gets upright, the steel ball centers itself on a microswitch.

When the body is tilted at 17° or more, the steel ball rolls off to deactivate the microswitch and switch the contact.



■ TC-1 Specifications

Weight: About 11 kg (Cast-iron)

2 wire system

Output Contact : SPDT ×1
Contact Capacity : 250VAC 10A

Allowable Temperature: -10 to +120°C (No Condensation or Freez required)

Enclosure Rating: IP56

Conduit Connection: 1/4 – 3/8 inch cable, 1/2 inch screw

■TC-3 Specifications

Weight: About 1.3 kg (Aluminum casting)

2 or 3 wire system

Output Contact : SPDT ×1
Contact Capacity : 250VAC 10A

Allowable Temperature: -10 to +80°C (No Condensation or Freez required)

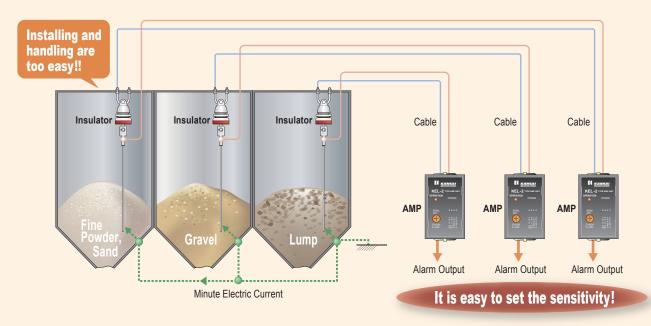
Enclosure Rating: IP56

Conduit Connection: 1/4 – 3/8 inch cable, 1/2 inch screw



■ Principle of Operation

The electrode's contact with measured objects containing some moisture decreases resistance occurring between electrode and metal tank wall. Then the Switch detects the resistance change and the contact is switched. When there is no object, the output contact will return to the original position.



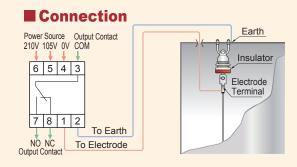
■ KEL-2 Specifications

Power Source: 105/210VAC±10% 50/60Hz

Output Contact : SPDT ×1
Contact Capacity : 250VAC 10A

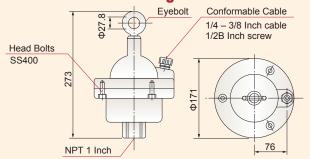
Allowable Temperature: 0 to +50°C (No Condensation or Freez required)

Sensitivity: Max.about $10M\Omega$ – Min.about $30k\Omega$ Sensitivity Setting: 16 Steps adjustable between Max. & Min. Indication Light: Operation Indicating Light (Light on detection)

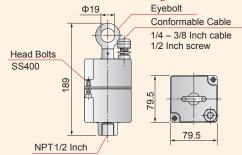


Tilt Switch

■ TC-1 Outline Drawing



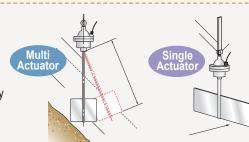
■ TC-3 Outline Drawing



Option

Sensitivity upgrade by actuator

You can upgrade the sensitivity of the tilt switch in mounting 2 or 4 paddle actuators.

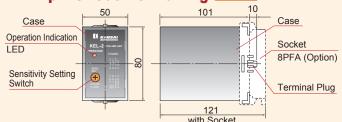


The actuators are fixed on the tilt switch body with 1/2" PF screws.

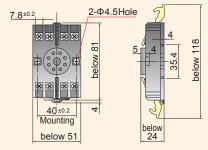
The dimensions of the actuators and the paddle forms are varied by the nature of materials. the mounting position and so on.

Leak Type Level Switch

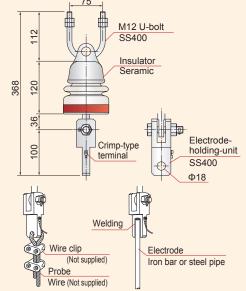
■ Amplifier Outline Drawing AMP



■ Socket (8PFA) Outline Drawing



■ Electrode Outline Drawing Insulator



Line of business

- Rotary Paddle Type Level Switch
- Vibration Type Level Switch Swing Type Level Switch
- · Acoustic Level Switch
- Capacitance Type Level Switch
- · Capacitive Proximity Sensor
- · Capacitance Type Level Indicator
- Diaphragm Type Level Switch
- Tilt Switch
- · Leak Type Level Switch
- · Microwave Type Switch
- Sounding Bob Type Level Indicator Ultrasonic Flow meter

- Conductance Type Level Switch
- Float Switch · Float Type Level Indicator
- · Ultrasonic Type Level Indicator
- Equipments For Conveyor Lines
- Dust Monitor System
- · Zirconia Oxygen Analyzer
- · Laser Type Level Indicator
- RADAR Type Level Indicator
- · On-line Sensors for Accurate Liquid Analysis
- Flow Switch

*Please be sure to read USER'S GUIDE, Installation & Operation Instructions before using the instrument

*The specifications herein may be subject to change without advance notice.

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