

General

SMK-03 is designed to control three phase motors which are used for emptying tanks having conductor liquid inside or deepholes. It has micro processor makes a longer life for electrode.

Using Manual and Working Principle

Make the connections according to the diagram. Connect (B) pole to the tank trunk of the tank. If the trunk of the tank is not conductor, connect electrode to (B) pole.

When liquid in the tank raises to electrode (U) and phases are normal, contact out (NO) 3 pole and relay led will be switches on. When liquid level is under electrode (L) contact out is (NC) 1, relay led switches off and "no liquid" led switches on. If any phase is abnormal (phase disconnect, higher than 250V, lower than 165V or %19 higher than asymmetry) phase error led switches on, relay releases and relay led switches off. SMK-03F types have phase sequencing function. If phase sequence is wrong, relay releases and relay led switches off.

Note: For two electrode usage, make short circuit (U) and (L) and use with bottom electrode.

Maintenance

Switch off the device and release from connections. clean the trunk of device with a swab. Don't use any conductor or chemical might damage the device. make sure device works after cleaning.

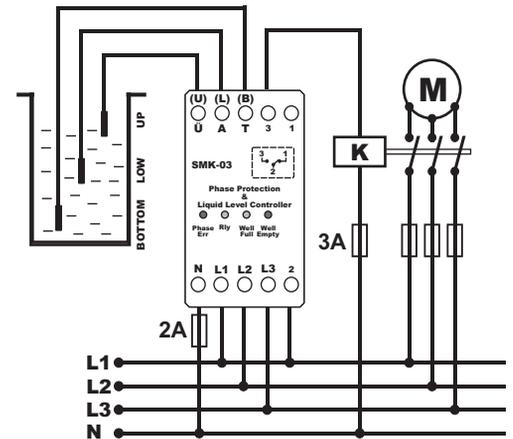
Warnings

- Please use the device according to the manual.
- Don't use the device in wet.
- Include a switch and circuit breaker in the assembly.
- Put the switch and circuit breaker nearby the device, operator can reach easily.
- Mark the switch and circuit breaker as releasing connection for device.
- Not used for flammable and explosive liquids.**

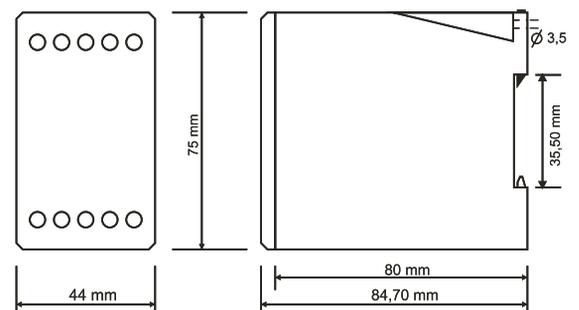
Technical Specification

- Working Voltage.....: 160-260V AC
- Working Frequency.....: 50/60 Hz.
- Sensitivity.....: <50KΩ
- Voltage Range.....: 165V - 255V(fixed)
- Asymmetry Rate.....: %20(fixed)
- Working Power.....: <6VA
- Working Temperature...: -20°C.....+55°C
- Display.....: 4 x led
- Connection Diagrams..: Vertical assembled in the panel or assembled on the din rail.
- Weight.....: 0,225Kg.
- Contact.....: 5A 250V AC Resistive Load
- Working Altitude.....: <2000m
- Cable Diameter.....: 2,5mm²

Connection diagram for SMK-03/03F



Dimensions for SMK-03/03F



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