

## Level Control MK91-12-R/24VDC MK91-12-R/230VAC 1-channel

- 1-channel level control
- Galvanic isolation between input circuit, output circuit and supply voltage
- Adjustable sensitivity range from 0.2...100  $k\Omega$
- Distinction between liquid and foam
- Separately adjustable switch-on and switch-off delay from 0...20 s
- 2 relay outputs, each with 1 SPDT contact
- Electronic probe selection

The single channel MK91-12-R level control is used to monitor and regulate the levels of conductive liquids. As a dual level regulator, it can be used to control pumps and solenoid valves. As a monitoring device it is designed for run-dry or overflow protection.

The level controller provides optimum reliability in differentiating a wide variety of liquids. The device is also suited for applications requiring distinction between foam and liquid.

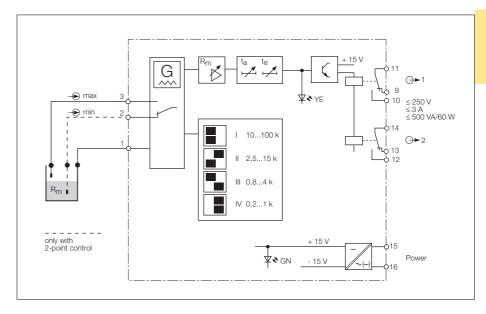
The sensitivity (resistance of liquid) is adjustable from 0.2...100 k $\Omega$ . One of four sensitivity options can be selected by means of the "Range" selector switch. Fine sensitivity adjustment within the selected range is accomplished with a potentiometer on the front cover.

The adjustable switch-on and switch-off delay is especially important for turbulent liquid levels. A delay time from 0...20 s can be adjusted via two front cover potentiometers.

The device features two relay outputs with one SPDT contact each. They operate in parallel and provide the switching function. The output configuration of both outputs can be programmed from NO to NC for all measuring ranges using the "Range" switch.

A green LED indicates that power is applied to the device. A yellow LED indicates the switching status.

For further information, please order our installation guidelines.





## **Level Control MK91-12-R**

7545077 2028 VDC ≤ 10 %
< 10 %
≥ 10 /0
1.5 W
between input circuit, output circuit and
supply voltage for 250 $V_{rms}$ , test voltage 2.5 $kV_{rms}$
0.025 V <sub>PP</sub> /150 Hz (triangle)
$0.2100 \text{ k}\Omega$ (adjustable in 4 ranges)
0.21 kΩ
0.84 kΩ
$2.515 \text{ k}\Omega$
10100 kΩ
approx. 10 %
020 s (adjustable)
020 s (adjustable)
2 relay outputs
1 SPDT contact, silver-alloy + 3 µm Au
250 V
≤ 3 A
≤ 500 VA/60 W
green
yellow
16-pole, 36 mm wide, Polycarbonate/ABS flammability class V-0 per UL 94
snap-on clamps for top-hat rail (DIN 50022 or screw terminals for panel mounting
2 x 16 flat terminals with self-lifting pressure plates
≤ 2 x 2.5 mm <sup>2</sup> or 2 x 1.5 mm <sup>2</sup> with wire sleeves
IP20
-25+60 °C

