

# PTC thermistor level controllers RG 210



#### **Benefits**

- Compact control unit
- Universal application due to selectable functions

## **Application**

For use in electrically conductive and non-conductive liquids which are not viscous or adhesive, such as fuel oil, diesel fuel and media which are not corrosive.

#### **Versions**

	Part no.
Level controllers RG 210	53206
Flexible PTC thermistor probe Type 937	53204

Blue part no. = in-stock items

## **Description**

PTC thermistor type level controller with selectable functions:

Level switch (1 probe),

Level control for filling (2 probes),

Level control for emptying (2 probes)

Level switch with 1 probe: The relay switches in case of contact or loss of contact with the liquid. When the switch point is set, it must be observed that the PTC thermistor requires approx. 8 seconds to heat up depending on the ambient temperature.

Level control for filling with 2 probes: Set internal switch to "fill". The relay energises after the min. probe has heated up. Relay de-energises when the max. probe comes into contact with the liquid.

Level control for emptying with 2 probes: Set internal switch to "empty". Relay energises when max. probe has contact with the liquid. Relay de-energises when the min. probe loses contact with the liquid and heats up.



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# **Technical specifications**

Operating temperature range

 $\begin{array}{lll} \mbox{Medium:} & -25/+50 \ \mbox{°C} \\ \mbox{Ambient:} & -10/+55 \ \mbox{°C} \\ \mbox{Storage:} & -10/+55 \ \mbox{°C} \end{array}$ 

Probe

PTC thermistor probe

L x  $\circ$ : 57 x 14 mm Cable length: 3.2 m Max. length: 50 m Process connection:  $G\frac{1}{2}$ , G1

Supply voltage AC 230 V Nominal power

12 VA

Switching output

Relay contact: 1 x voltage-free changeover contact

Contact rating: Max. AC 250 V, 2 A

**Housing**Plug-in housing

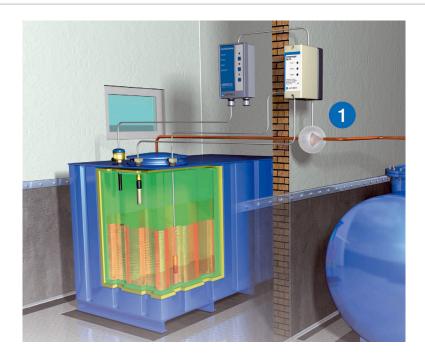
W x H x D:  $53 \times 113 \times 108 \text{ mm}$ Degree of protection: IP 30 (EN 60529)

Scope of delivery

Control unit without probe

## **Detail views**

#### Example: daily-service tank for fuel oil



1. Storage tank pump