

# 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.

## Technical specifications

### Operating temperature range

Medium: -25/+50 °C  
Ambient: -10/+55 °C  
Storage: -10/+55 °C

### Probe

PTC thermistor probe  
L x ø: 57 x 14 mm  
Cable length: 3.2 m  
Max. length: 50 m  
Process connection: G½, 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

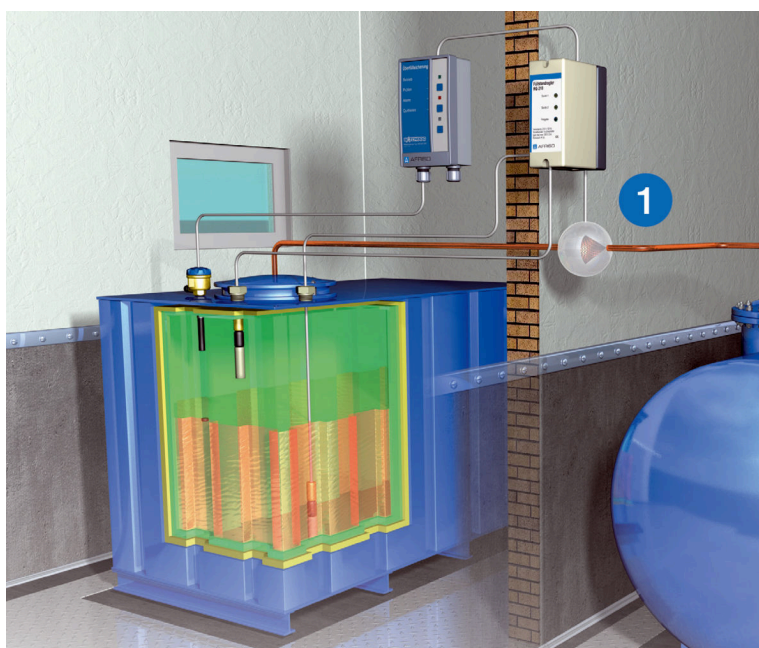
Plug-in housing  
W x H x D: 53 x 113 x 108 mm  
Degree of protection: IP 30 (EN 60529)

### Scope of delivery

- Control unit without probe

## Detail views

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



1. Storage tank pump