



Alarm unit for separators WGA 01 D



Benefits

- For oil and petrol separators
- Up to 3 probes for layer thickness alarm, overflow alarm, sand - sludge alarm
- With LC display

Application

Oil and petrol pose a great hazard to groundwater and waste water. WGA 01 D monitors the thickness of the layer of separated liquid in oil and petrol separators and generates an alarm signal when it is time to drain the separator. In addition, the maximum level in the separator can be detected. This avoids overflowing that may be caused by clogged outlets or other circumstances. The unit keeps harmful substances from reaching the sewage water system. It is also possible to signal impermissible sand or sludge accumulations.

Versions

	Part no.
Alarm unit for separators WGA 01 D incl. probe WGA-ES4 (layer thickness)	53409
Alarm unit for separators WGA 01 D	53409A
Probe WGA-R6 for overflow alarm	53419
Probe WGA-ES4 for layer thickness alarm	53418
Probe WGA-ES8 for sludge alarm	53399

Blue part no. = in-stock items

Description

WGA 01 D consists of a control unit with LC display and a capacitance probe (WGA-ES4) to monitor the layer thickness of oil or petrol layers. The PTC thermistor probe WGA-R6 for monitoring the maximum level (overflow alarm) and/or the ultrasonic sludge probe WGA-ES8 for monitoring impermissible sand or sludge layer can also be connected. The control unit is equipped with 2 relay outputs, visual and audible alarms as well as Test and Acknowledge buttons. The WGA-ES4 probe is mounted at least 150 mm below the constant level of the separator. As soon as the oil, petrol or grease layer reaches the critical level, the device generates an alarm signal. By installing the optional WGA-R6 probe above the constant level, you can also monitor the maximum level. The control unit monitors the probes for short circuits or line interruptions. The device automatically detects the connected probes during commissioning.



Technical specifications

Operating temperature range

Medium: -20/+40 °C

Ambient: 0/40 °C

Supply voltage

AC 230 V

Power input

Approx. 4 VA

Switching outputs

Relay contact: 2 voltage-free changeover contacts

Contact rating: AC 250 V, 5 A, 100 VA

Visual indication

LC display, 3 lines

Audible alarm

Integrated piezo-buzzer, can be acknowledged

Housing

Wall mounting housing made of impact-resistant plastic (polycarbonate)

W x H x D: 175 x 125 x 75 mm

Degree of protection: IP 65 (EN 60529)

Ex approval

Ex II (1) G [Ex ia GA] IIA

Probe WGA-ES4

Measuring principle: Capacitance

L x ø: 220 x 25 mm

Cable length: 5 m

Probe WGA-ES8 (option)

Measuring principle: Ultrasonic

W x H x D: 160 x 85 x 32 mm

Cable length: 5 m

Probe WGA-R6 (option)

Measuring principle: PTC thermistor

L x ø: 100 x 22 mm

Cable length: 5 m

Connection probe – control unit

Max. 200 m

Scope of delivery

- Control unit
- Probe WGA-ES4

Options

- Probe WGA-ES8
- Probe WGA-R6

Detail views



1. Oil
2. Water
3. Sand / sludge