

WATER MONITOR WITH ONE SIGNAL INPUT AND ONE RELAY OUTPUT



GEWAS 300 FG



GEWAS 300 SP

GEWAS 300 FG

Art. no. 600472

Water monitor in field frame for wall mounting, device without sensor

GEWAS 300 SP

Art. no. 600474

Water monitor in snap-on housing for DIN rail mounting, device without sensor

General:

The measuring method for level detection is based on the conductive principle, i.e. the electrical conductivity of the media is monitored. If the switching amplifier detects a value below the set conductivity the state "media detected" is output, otherwise "no media".

Application:

Versatile alarm and protection device for DIN rail or surface mounting with universal input (screw-type terminals) for several external sensors. Sensors with switching threshold <100 kOhm can be connected (e.g. water probes, floating switches, level probes, magnetic contacts, etc.). In case of an alarm the connected device (e.g. pump, machine) is switched off by a change-over contact. The GEWAS 300 FG additionally provides an alarm. The internal or an external push-button resets the alarm state.

The GEWAS 300 ... is especially suitable for detection of conducting media (water, etc.). It is less applicable for badly or non conducting media (oils or fatty liquids), conducting foaming liquids or media causing electrically isolating deposits on the electrodes.

Specifications:

Power supply: 18 V ... 250 V AC/DC, wide-range power supply

Power consumption: <2 VA

1 signal inputs:

Triggering level: <80 kΩ

Response time: 2 s

1 Relay output:

Contact: change-over contact, potential-free

Switching voltage: ≤250 V AC

Switching current: ≤5 A (ohmic load)

external alarm output:

only GEWAS 300 FG: 8 V, 3 kHz, ≤5 mA

Protection class:

GEWAS 300 SP: IP20

GEWAS 300 FG: IP65

Working temperature: -20 ... +60 °C

Storage temperature: -40 ... +80 °C

Condensation: not allowed

Functions / displays:

Red / green LED: display for switching state of relay, switching state of sensors, status (supply) of device, status of battery

Acoustic alarm: internal alarm buzzer with battery back-up (only for GEWAS 300 FG)

Battery back-up: Monitoring and acoustic alarm are ensured even e.g. during power failures (only for GEWAS 300 FG)

Alarm reset: alarm reset by GEWAS 300 SP:
connection for external push-button
GEWAS 300 FG: push-button at front side

Housing:

GEWAS 300 SP: 22.5 x 75 x 110 mm (W x H x D)

GEWAS 300 FG: 100 x 100 x 60 mm (W x H x D) without PG cable glands

Scope of supply: Device, manual

Accessories and spare parts:

Sensors see page 225

PROTECTION DEVICE FOR UNIVERSAL APPLICATION

PANEL MOUNTED DEVICE
WITH SWITCHING OUTPUT

GEWAS 200

Art. no. 600279

Panel-mounted alarm protection device with volt-free relay output (snap-on mounting for top hat rail in special snap-on housing), without sensor

General:

The GEWAS 200 is a versatile DIN rail alarm and protection device. Its universal input (screw terminals) allows a lot of different external sensors to be connected. That includes sensors with a switching threshold <100 kOhm like water sensors, float switches, level switches, magnetic contacts, etc. A connected device (i.e. pump, machine) is switched on or off via potential-free change-over contact in case of an alarm. The alarm is reset by the use of an internal / external reset button.

Specifications:

Power supply: 220 / 240 V 50 / 60 Hz

Power consumption: approx. 3 VA

Sensor input: 2-pole screw terminal

Switching threshold: input resistance <100 kOhm (e. g. NPN no active, relay, reed contact, etc.)

Switching output: potential-free change-over contact

Switching power: 250 V AC, 10 A (ohmic load), max. 2400 VA
150 V DC, 2 A (ohmic load), max. 240 W

red / green LED: LED (green) for operation display
LED (red) for alarm condition

Mounting: universal foot base for all common DIN EN rails

Working conditions: -20 ... +50 °C and 0 ... 80 % RH

Dimensions: 49 x 96 x 59 mm (L x W x H)

Scope of supply: Device, manual

Options:

GEWAS 200 KL

Art. no. 600306

Screw terminal (2-pole) to connect an external reset button

GEWAS 200 AL

Art. no. 601041

Automatic alarm reset

Accessories and spare parts:

GWF-1

Art. no. 601712

water sensor without plug, 2 m

GSS-1

Art. no. 606016

level probe (plug-in float switch), 2 m cable for electrically non-conductive media (normally open/normally closed function can be selected by customer)

GNS-1

Art. no. 602531

plug-in level probe 2-pin (stainless steel electrodes)