WATER MONITOR WITH ONE SIGNAL INPUT AND ONE RELAY OUTPUT

GEWAS 300 FG   *GEWAS 300 SP*

GEWAS 300 FG
Art.-Nr. 600472
Water monitor in field frame for wall mounting, device without sensor

GEWAS 300 SP
Art.-Nr. 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 of 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:	**GEWAS 300 FG only:** 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:	**GEWAS 300 FG only:** internal alarm buzzer with battery back-up
Battery back-up:	**GEWAS 300 FG only:** Monitoring and acoustic alarm are ensured even e.g. during power failures
Alarm reset:	for deletion of the alarm **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 120

PROTECTION DEVICE FOR UNIVERSAL APPLICATION

PANEL MOUNTED DEVICE WITH SWITCHING OUTPUT

GEWAS 200
Art.-Nr. 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.-Nr. 600306
Device with screw terminal (2-pole) to connect an external reset button

GEWAS 200 AL
Art.-Nr. 601041
Device with automatic alarm reset

Accessories and spare parts:
GWF-1
Art.-Nr. 601712
water sensor without plug, cable 2 m

GSS-1
Art.-Nr. 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.-Nr. 602531
plug-in level probe 2-pin (stainless steel electrodes), cable 2 m

GWF-2
Art.-Nr. 601778
Textile-tape water sensor, 2 m, without plug

HANDHELD INSTRUMENTS

SOFTWARE

ACCESSORIES

ALARM / PROTECTION, LEVEL