

Water leak detector with solenoid valve



! Can be installed without any add. parts or tools within 2 minutes

24-HOUR SUPERVISION

OF YOUR WASHING
MACHINE OR DISH WASHER

GEWAS 191 N

Product-ID 601742

Water leak detector with solenoid valve, complete and ready for use

GEWAS 191 AN

Product-ID 601744

Water leak detector with solenoid valve, complete and ready for use with switch-off mechanism for supervised device in case of alarm (up to 16 A, 230 V 50 Hz)

Application:

washing machine, dish washer, surgeries (e.g. dentists' surgeries, water-cooled devices etc.), hospitals, industry, research, laboratories, any other devices and machines with water connection (e.g. hot drinks dispensers, cooling devices etc.)

Description:

If a water film of more than 0.5 mm occurs at the water sensor the control unit automatically gives an acoustic alarm and switches the solenoid valve off. The design type GEWAS 191 AN turns off additionally the device connected to the control unit, too.

Accessories and spare parts:

GMV191

spare solenoid

GWF-1S

plug-in water sensor, 2 m

GWF-1S / 5m

plug-in water sensor, 5 m

GWF-1S / 10m

plug-in water sensor, 10 m

GAZ-1

branch adapter
(required for each additional water sensor)

VEKA 2

extension cable 2 m

VEKA 5

extension cable 5 m

VEKA 10

extension cable 10 m

Specification:

Power supply: 220/240 V 50/60 Hz (control unit)

Power consumption: approx. 3 VA

Control output: via power socket at device housing (only for GEWAS 191 AN) the socket of GEWAS 191 N always provides mains voltage

max. switching current: max. 16 A (ohmic load)

Water sensor: highly sensitive plug-in water probe, 2 m cable. Alarm triggered as of ½ mm water film. Several water probes can be plugged-in and used simultaneously by means of socket outlet adaptor GAZ 1. 2 m, 5 m or 10 m plug-in extension cable available.

Solenoid valve: glass fiber reinforced polyamide (as customary for washing machines). Safety-low voltage 12 V DC. Connections: Screw connection ¾" for direct fastening to water tap and the standard dish washer / washing machine connection hose ½" with ¾" wing or coupling nut to the solenoid valve outlet. In case of power breakdown the valve closes automatically.
Working pressure: 6 bar servo-controlled; Minimal pressure difference between in- and outlet: inlet pressure min. 0.5 bar higher than outlet pressure

Device housing with electronics: enclosed case (not suitable for use in humid environment), electronics, signal buzzer, plug connections for valve and water sensor. Housing with earthing pin plug connection and socket outlet with earthing contact. Looping-in socket outlet with earthing contact used for GEWAS 191 N; alarm controlled socket outlet with earthing contact used for GEWAS 191 AN

Working conditions: 0 ... 50 °C, 0 ... 90 % RH (non-condensing)

Dimensions: control unit: 126 x 79 x 54 mm (L x W x H)
solenoid valve: 82 x 102 x 41 mm

Scope of supply: Water leak detector with solenoid valve, controller, water probe, signal buzzer, manual

Protection device for universal application



PANEL MOUNTED
DEVICE

WITH SWITCHING
OUTPUT

GEWAS 200

Product-ID 600299

Panel-mounted alarm protection device with voltage-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.

Specification:

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 (eg. 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

Option:

-KL:

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

-AL:

Automatic alarm reset

Accessories and spare parts:

GWF-1
water sensor without plug, 2 m

GSS-1

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

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

GSAS-1

self-adhesive, magnetic contact