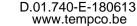## LEAK-WATER DETECTOR

Figure GEWAS 181 A

NO MORE
WATER DAMAGE

GEWAS 181 A
Product-ID: 601734
leak-water detector with ½" brass solenoid valve with ¾" connections for hand installation, water sensor, alarm buzzer and switch-off of connected units 16 A, 230 V~

GEWAS 183 A
Product-ID: 602999
leak water detector without solenoid valve, with water sensor, alarm buzzer and switchoff of connected devices 16 A, 230 V~

GEWAS 181 A - ½"
Product-ID: 601736
leak water detector with ½" brass solenoid valve (flow quantity: approx. 20 l/min, installation length approx. 55 mm) for installation in the line, water sensor, alarm buzzer and switch-off of connected devices 16 A, 230 V~.

GEWAS 181 A - ¾"
Product-ID: 601738
leak water detector with ¾" brass solenoid valve (flow quantity: approx. 91.5 l/min, installation length approx. 80 mm) for installation in the line, water sensor, alarm buzzer and switch-off of connected devices 16 A, 230 V~

GEWAS 181 A - 1"
Product-ID: 601740
leak water detector with 1" brass solenoid valve (flow quantity: approx. 141.5 l/min, installation length approx. 95 mm) for installation in the line, water sensor, alarm buzzer and switch-off of connected devices 16 A, 230 V~

Application:
Any devices or machines with water connection. For direct mounting of solenoid valve in pipelines.

Mode of action:
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 and the device connected to the control unit off.
Solenoid valve:
Brass solenoid valve, energy-saving circuitry for hand installation (½" with ¾" glanding - suitable for any ½" tap or ½" tube) or with ½", ¾" or 1" internal thread on both sides for line installation. De-energised when closed, for pressure loads from 0.5 ... 10 bar. Servo-controlled, i.e. free water outlet has to be provided resp. infeed pressure has to exceed outfeed pressure by 0.5 bar (solenoid not suitable for closed circuits such as heating systems).

Specifications:

Power supply:	220/240 V 50/60 Hz (control unit)
Power consumption:	approx. 2,5 Watt (control unit, approx. 6 W incl. solenoid valve)
Control output:	via power socket of safety plug adapter
max. switching current:	max. 16 A (ohmic load)
Water sensor:	Highly sensitive, plug-in water sensor, 2 m of cable, alarm triggered as of ½ mm water film. Simultaneous plug in of several water sensors via socket-outlet adaptor GAZ1. Plug-in extension cable (2 m, 5 m or 10 m long) available.
Solenoid valve:	Hence, valve operable in permanent mode; due to energy-saving circuit valve will not run hot even without cooling agent. Valve permanently fixed to control device (approx. 1 m of connecting cable). Valve body can be removed from coil after loosening of one nut.
max. working pressure:	10 bar, servo-controlled (pressure difference inlet/outlet > 0.5 bar)
Working voltage:	200 V DC or 100 V DC in energy saving mode
Working temperature:	0 ... 50 °C
Dimensions:	control device: 110 x 65 x 45 mm (L x W x H), with suspension hook
Scope of supply:	Device, solenoid valve (not GEWAS 183 A), water sensor, manual

Accessories and spare parts:

GMV-½" L
Product-ID: 601645
spare solenoid valve ½" for direct cable connection, approx. 1 m cable, loose ends

GMV-½" H
Product-ID: 601646
spare solenoid valve ¾" manual mounting, approx. 1 m cable, loose ends

GMV-¾"
Product-ID: 601648
spare solenoid valve ¾" for direct cable connection, approx. 1 m cable, loose ends

GMV-1"
Product-ID: 601655
spare solenoid valve 1" for direct cable connection, approx. 1 m cable, loose ends

GMV-½" EZL
Product-ID: 601657
add. solenoid valve 1/2" for direct cable connection, with power saving connector, approx. 2 W, for direct connection to 230 VAC, suitable for GEWAS 183A or mains operation

GMV-½" EZH
Product-ID: 601660
like before, but ¾" valve for manual mounting

GMV-¾" EZ
Product-ID: 601662
like before, but ¾" valve for direct cable connection

GMV-1" EZ
Product-ID: 601650
like before, but 1" valve for direct cable connection

Plug-in water sensor, socket outlet adapter, extension cable p.r.t. GEWAS 191

Handheld instrument
Display/Controller
Logger/EASYBus
Transmitter
Temperature probe
Simulator
Alarm/Protection, Level

Handheld instrument

Display/Controller

Logger/EASYBus

Transmitter

Temperature probe

Simulator

Alarm/Protection, Level

PROTECTION DEVICE FOR UNIVERSAL APPLICATION

WITH SWITCHING OUTPUT

FOR ANY PURPOSE

AVAILABLE AS PLUG-IN

ALSCHU 480
Product-ID: 602921

Alarm protection device, plug-in for 230 V~ (with grounding contact adapter plug), with or without alarm transmitter and relay switching output (changeover contact)

ALSCHU 480 P
Product-ID: 602923

as above, but with volt-free switching output and looped socket

General:

The ALSCHU 480(P) is a versatile alarm and protection device. Its universal input (3.5 mm jack bush) 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, safety shut-off mat etc. In case of an alarm the internal buzzer sounds and a connected device (i.e. pump, machine) is switched on or off via the Schuko adaptor plug (ALSCHU 480). The desired switching function can be set via selector switch I / II. ALSCHU 480P switches on/off external devices via a potential-free 2-pole switching output. The Schuko socket of ALSCHU 480P is always current-carrying.

Specifications:

Power supply:	220/240 V 50/60 Hz
Power consumption:	approx. 1 VA
Sensor input:	3.5 mm jack bush
Switching threshold:	input resistance <100 kOhm (e.g. NPN no active, relay, reed contact, etc.)
Switching output:	
480:	via isolated ground receptacle (Schuko)
480 P:	potential-free normally open/closed contact via 2-pole cable, brought out 0.5 m
Switching function:	
I:	switching output current-carrying in alarm condition
II:	switching output currentless in alarm condition
Switching power:	
480, 480 P:	250 VAC, 10 A (ohmic load), max. 2400 VA
480 P:	120 VDC, 2A (ohmic load), max. 240 W
Controlling device:	LED for operation display, device-on/off, selector switch I / II for switching function
Working conditions:	-20 ... +50 °C; 0 ... 80 % RH
Dimensions:	112 x 71 x 48 (L x W x H)
Scope of supply:	Device, manual

Accessories and spare parts:

GWF-1S
Product-ID: 601706
plug-in water sensor, 2 m

PROTECTION DEVICE FOR UNIVERSAL APPLICATION

PANEL MOUNTED

DEVICE

WITH SWITCHING

OUTPUT

GEWAS 200
Product-ID: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 (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

Options:

GEWAS 200 KL:
Product-ID: 600306
Screw terminal (2-pole) to connect an external reset button

GEWAS 200 AL:
Product-ID: 601041
Automatic alarm reset

Accessories and spare parts:

GWF-1
Product-ID: 601712
water sensor without plug, 2 m

GSS-1
Product-ID: 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
Product-ID: 602531
plug-in level probe 2-pin (stainless steel electrodes)