

Operating Manual For GEWAS 200



Specification:

Power supply: 220/240V 50/60Hz

Power rating: approx. 3 Watt

Relay output: volt-free changeover contact

max. switching current: 10A ohmic load

max. switching voltage: 250VAC / 150VDC

max. switching power:

for ac-voltage: max. 2400VA (240V, 10A, ohmic load, $\cos \varphi = 0.95$)
for inductive switching loads is always to use a RC-element

for dc-voltage: max. 240W (24V, 10A, ohmic load)

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

Mounting: universal foot base can be snapped on to all commercial DIN EN support rails..

EMC: The device correspond to the essential protection ratings established in the Regulations of the Council for the Approximation of Legislation for the member countries regarding electromagnetic compatibility (89/336/EWG).

Installation and commissioning:

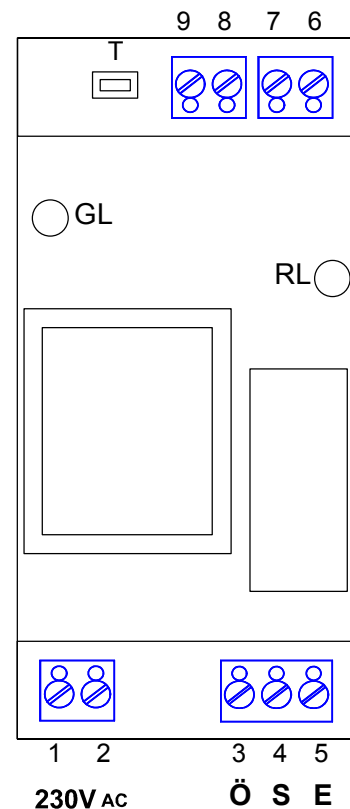
Please note! The electrical installation must be carried out by an accredited electrician .

Standard regulations for operation and safety for electrical equipment have to be observed. Paying attention to the regulations could result in function errors with material damage and personal injury.

By connecting to an heat or cold generator with ground wire danger to live will occur by wrong connection (change of the wires).

- Place water sensor at desired position and fix it, if necessary.
- Connect water sensor 1 at the terminal 6 and 7 and water sensor 2 at the terminal 8 and 9. (polarity is not necessary)
- Connect at the terminal 3, 4 and 5 the device which have to be switched on or off in case of alarm (eg. motor, pump, horn, etc).
- Connect the power supply at the terminal 1 and 2: 220-240V, 50/60Hz.

! Well done, your GEWAS device is now ready for use !



Function

After connecting the GEWAS200 to the power supply voltage the green LED "GL" (operating display) will light up.

With the button "T" the relay function can be tested: while pressing the button the relay will be activated. After disengage the button the GEWAS will be reset to the standard operation.

If the water film at the water sensor exceeds 0.5mm the control device automatically triggers an alarm. The relay will be switched on and the red LED "RL" (alarm display) light up.

To clear the alarm press the button "T" for approx. 1 second. The alarm will be reset when the alarm cause will be removed (eg. the water sensor is not longer in water)

What to do in case of an alarm

- Try to find and remedy fault cause.
- Reset the control device by pressing the button "T" to normal operation.

Potential fault causes:

- The water sensor is defective.
- The water sensor contacts are connected (e.g. by means of a piece of metal etc.)
- There is a water film at the water sensor.

Operating and maintenance advise

1. In order to ensure long-time and trouble-free operation of the device, the functioning of the device has to be checked at regular intervals (as is the case with any safety device). To do so produce an alarm at least once a month by short-circuiting both water sensor contacts by means of a metal object (e.g. spoon, knife, etc.).
Reset the control device by pressing the button "T" to normal operation.
2. The device has to be treated and handled carefully in accordance with the above specifications (do not throw, bump against, etc.).
3. **!!! Never use GEWAS in a humid environment. !!!**

Special equipment or spare parts:

water sensor: GWF-1 additional water sensor



Safety requirements:

This device has been designed and tested in accordance with the safety regulations for electronic devices.

However, its trouble-free operation and reliability cannot be guaranteed unless the standard safety measures and special safety advises given in this manual will be adhered to when using the device.

1. Trouble-free operation and reliability of the device can only be guaranteed if the device is not subjected to any other climatic conditions than those stated under "Specification".
2. Make sure to observe the standard regulations and safety instructions for electric, heavy and weak current plants, in particular the national safety regulations (e.g. VDE0100).
3. If there is a risk whatsoever involved in running it, the device has to be switched off immediately and to be marked accordingly to avoid re-starting.

Operator safety may be a risk if:

- there is visible damage to the device
- the device is not working as specified
- the device has been stored under unsuitable conditions for a longer time.

In case of doubt, please return device to manufacturer for repair or maintenance.

4. **Warning:** Do not use these product as safety or emergency stop devices, or in any other application where failure of the product could result in personal injury or material damage.
Failure to comply with these instructions could result in death or serious injury and material damage.