

Device description:

The water detector protects downstream water-cooled systems from damage that can occur due to a decline or interruption of the cooling water flow. It is installed at the end of the cooling water flow.

Proper functioning is only possible if the water monitor is installed vertically. A relay is installed in this water monitor as a switching element, which also switches connected appliances safely with electronic control.

The hose connections for the water inlet and drain are located at the bottom of the device. The inlet hose is connected to the side of the water monitor where the four holes in the housing cover are located. Through these holes, it is possible to observe the magnetic float in the glass tube during operation.

On the top of the device there are two indicator lights that provide information about the operating status of the water monitor; the yellow lamp indicates normal operation, the red lamp lights up in the event of a malfunction.

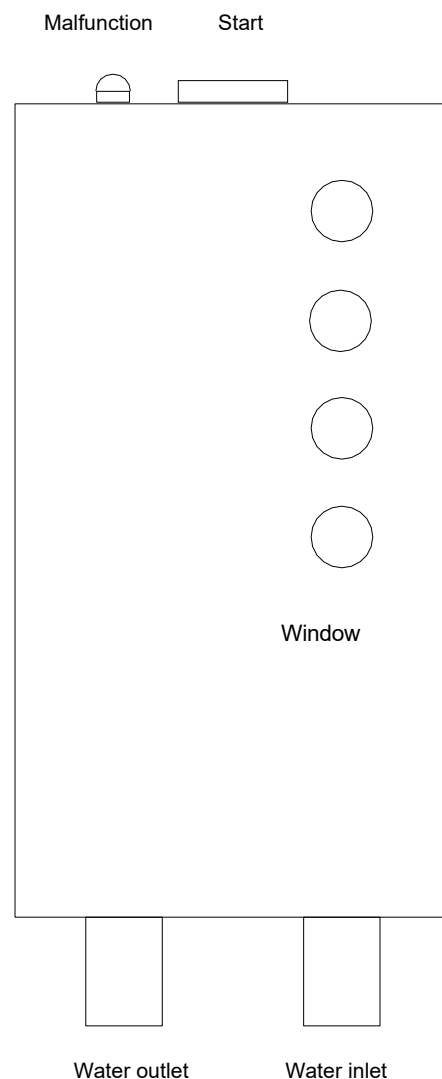
*Electrical appliances (e.g. heating mantle, magnetic stirrer) are connected to the adapter plug.*

*In addition to the normal water monitor function, the device has a solenoid valve that can be used in the event of a fault (e.g. chipped cooling water hose), which closes the water inlet and thus prevents water damage.*

*In contrast to the water monitor, the solenoid valve is installed at the beginning of the cooling water circuit.*

*To switch the system on, the start button is pressed briefly until the acoustic alarm stops. The start pulse opens the solenoid valve and releases the cooling water flow.*

*In the event of a decline or interruption of the cooling medium, the water monitor switches off all connected electrical appliances, the red lamp lights up and an alarm sounds. In addition, the solenoid valve shuts off the water inlet.*



## Technical data

Voltage 230 V  
Frequency 50 Hz  
Max. connected load 1800 W

## Safety

- Connect the device only to a socket with a protective conductor
- Use only in dry rooms
- Do not operate water monitors and connected electrical appliances with wet hands
- Secure hose connections with hose clamps
- Pay attention to vertical installation position
- Do not cover the top of the appliance
- Check the water monitor before each use for proper functioning and obvious defects
- Annual inspection by a qualified electrician is required
- If defects or irregularities are found, discontinue its operation and notify a qualified electrician
- Repairs can only be carried out by qualified electricians

## Malfunctions and causes

Not functioning	<ul style="list-style-type: none"><li>• Plug not properly inserted into the socket</li><li>• Socket without voltage</li><li>• Appliances (e.g. heating mantle) are not plugged into an adapter plug and on</li></ul>
Red indicator light is on and warning signal sounds	<ul style="list-style-type: none"><li>• Faucet not open</li><li>• Water pressure too low</li><li>• Water hose has leak or connection is leaking</li><li>• Float stuck in glass tube</li></ul>
Not functioning, although mains socket OK	<ul style="list-style-type: none"><li>• Defective microfuse in the water monitor, inform a qualified electrician</li></ul>
Water monitor does not switch off	<ul style="list-style-type: none"><li>• Notify a qualified electrician</li></ul>

In the event of any further malfunctions, contact the responsible electrician