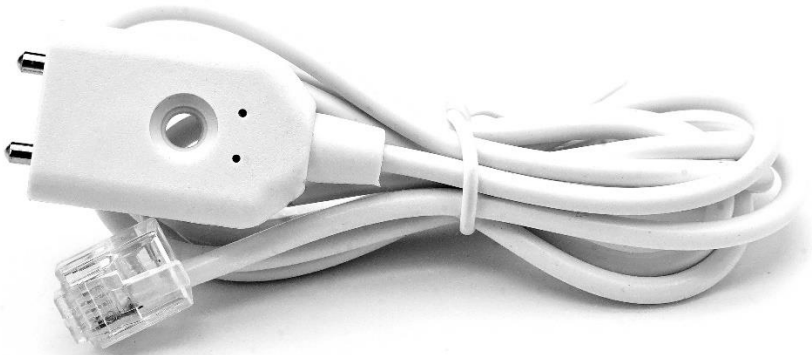


FlowTimer+ Detect Set V2

Direct water detection
with the FlowTimer+ system

Operating instructions



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1 General

The operating instructions describe the entire life cycle of the system. Keep these instructions in a place where they are easily accessible to every user and available again to every new owner of the system.

NOTE **The operating instructions contain important safety information!**

Failure to follow these instructions can lead to dangerous situations.

- The operating instructions must be read and understood.

1.1 Explanation of symbols

DANGER

Warns of an imminent danger!

Failure to do so will result in death or serious injury.

WARNING

Warns of a possibly dangerous situation!

- Failure to do so may result in serious injury or death.

CAUTION

Warns of a possible hazard!

- Failure to do so may result in moderate or minor injury.

NOTE **Warns of property damage!**

Failure to do so may result in damage to the system or equipment.



denotes important additional information, tips and recommendations that are important for your safety and the proper functioning of the system.



refers to information in these operating instructions or in other documentation.

➤ **Action steps**

The defined sequence of action steps makes it easier for you to use the system correctly and safely.

✓ **Result**

Here you will find the result of a sequence of action steps described.

2 Technical data

2.1 Version sensor

- Probes: Stainless steel electrodes
- Connection: 1 m cable with FlowTimer+ I/O connector

2.2 Environmental and climatic conditions (splitter)

- Ambient temperature: +5°C - 40°C
- Protection class: IP20
- Location of splitter, I/O cable and connector: Suitable for indoor use only

2.3 Lifetime

- The function of the FlowTimer+ Detect Set V2 must be checked by a specialist at the specified intervals (see also chapter 9.3.).

3 Intended use

Please observe the instructions in these operating instructions as well as the operating conditions and permissible data in accordance with the data sheet so that the system functions properly and remains operational for a long time. In case of non-observance of these instructions as well as in case of unauthorized interventions in the system, any liability on our part is void, as well as the warranty on system and accessories!

An external water sensor can be connected directly to the FlowTimer+ I/O port. In this case, however, no FlowTimer+ Hub or other water sensor can be connected, as the connection is already occupied.

The FlowTimer+ Detect Set V2 contains additional parts for splitting the FlowTimer+ I/O connection. Thus, a FlowTimer+ Hub and an external water sensor, or several water sensors can be connected in series.

If the water sensor detects conductive drinking water, it is immediately shut off via the FlowTimer+.

An alarm reset can only be performed via the connected FlowTimer+ or its supply voltage.

Any other use or use that goes beyond this is considered improper use. Usetech GmbH is not liable for any damage resulting from this. The risk is borne solely by the user.

3.1 Use not in accordance with the intended purpose

Unintended use in the sense of foreseeable misuse is considered to be:

- The supplied I/O splitter must not be used instead of a FlowTimer+ Hub to connect FlowTimer+ devices to each other! It can only be used within an I/O connection between FlowTimer+ and FlowTimer+ Hub to connect water sensors!
- The water sensor is only suitable for electrically conductive drinking water.
- The FlowTimer+ Protect is not supported directly, but only indirectly via a group alarm via FlowTimer+ and FlowTimer+ Hub.
- No telephones, ISDN, other devices or adapters may be connected.

4 System description FlowTimer+ Detect Set V2

4.1 Scope of delivery FlowTimer+ Detect Set V2



Fig. 4.1: Scope of delivery FlowTimer+ Detect Set V2

- 1 Water sensor with 1 m cable
- 2 I/O connector for FlowTimer+
- 3 I/O connection cable 1 m
- 4 I/O splitter with three I/O ports

5 Installation

5.1 Mounting of the FlowTimer+ Detect Set V2

The water sensor can be screwed to a wall, among other things.



To prevent triggering by only superficial moisture, please keep a small distance between the sensor and the ground.



If possible, also keep a small distance between the sensor and the wall to speed up the drainage of water at the sensor after an alarm.

5.2 Splitter and cable placement



Route the splitter and all I/O cables higher than the water sensor to protect the splitter and connectors from water in the event of flooding.

5.3 Electrical connection



The water sensor can be connected directly to the FlowTimer+ I/O port. In this case, however, a FlowTimer+ Hub can no longer be connected, as the port is already occupied.



When the I/O connector is inserted into the socket, this must cause a clicking noise. If not, please check again whether the plug is correctly engaged!

When disconnecting, please note to press the locking lugs of the I/O connectors!

- Please plug all parts together according to figure 4.1.
- The I/O connector (4) is plugged into the FlowTimer+ port.
- Plug the I/O connection cable from the FlowTimer+ Hub (see FlowTimer+ HUB manual for more information) into the output (5) of the splitter (2).

5.4 Cascading the set



If required, several water sensors can be used simultaneously on one FlowTimer+! Then simply order the FlowTimer+ Detect Set V2 multiple times.

- Please plug all parts together according to figure 4.1.
- Plug the I/O connector (4) of the first set into the FlowTimer+ connector.

All further sets are then simply connected in series!

- The I/O connector (4) of the second set is plugged into the splitter output (5) of the first set and so on.

If needed, a FlowTimer+ Hub can also be connected last!

- Simply plug the I/O connection cable from the FlowTimer+ Hub (see FlowTimer+ Hub manual for more information) into the output (5) of the last splitter (2).

6 Operation and function

6.1 Operating states

6.1.1 Normal operation

No operation is necessary.

If the water sensor detects conductive drinking water, it is shut off via the FlowTimer+.

6.1.2 Restarting the system

An alarm reset can only be performed via the connected FlowTimer+ or its supply voltage.

The prerequisite for this is still that the water sensor is dry again and the splitter did not get wet!

7 Troubleshooting, maintenance



If an alarm has occurred, first check all water sensor locations for possible water accumulation.

If the connected FlowTimer+ locks up without a reason being found, pull the I/O connector plug (4) of the FlowTimer+ Detect Set V2 out of the I/O port of the FlowTimer+.



Now check your FlowTimer+ system according to the instructions of the respective products.

7.1 Maintenance

Interval	Action
Monthly	Restart the entire system and check the function (see "FlowTimer+ Set instructions").
Biennial	The FlowTimer+ Detect Set V2 should be checked by an installer after two years at the latest.

8 Packing, transport, storage



Transport damage!

Inadequately protected systems can be damaged during transport.

- Transport the system protected from moisture and dirt in shockproof packaging.
- Avoid exceeding or falling below the permissible storage temperature.
- Protect electrical connections from damage with protective caps.

The system must be transported or stored in the packaging provided until installation.



Incorrect storage can cause damage to the system!

- Store the system in a dry and dust-free place!
- Storage temperature: -30°C to +60°C

9 Disposal and EC Declaration of Conformity

Information on the Waste Electrical and Electronic Equipment Ordinance

Law on the marketing, return and environmentally sound disposal of electrical and electronic equipment (Electrical and Electronic Equipment Act - ElektroG).



Note on the Electrical and Electronic Equipment Act (ElektroG):

Please dispose of old devices, as required by law, at a municipal collection point, or return them to your local retailer free of charge.

Disposal in household waste is expressly prohibited according to the old equipment ordinance!

Devices received from us can be returned to us free of charge after use by sending them back with sufficient postage to the address given in the imprint.

Waste equipment containing harmful substances is marked with the symbol of a crossed-out trash can.

EC Declaration of Conformity



to:

Annex III of the EC Low Voltage Directive 2014/35/EU.

Annex I of the EC Directive on Electromagnetic Compatibility 2014/30/EU.

RoHS Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

The

usetech GmbH
Tanzplatz 10
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declares that

Product name: Flowtimer+ Detect Set V2
Type: V2.1
Year of manufacture: 2020

complies with the provisions of the above-mentioned EC Directives.

The following standards and technical specifications have been applied:

DIN EN 61326-1; VDE 0843-20-1:2013-07

Date: 31.08.2020
Name: Dipl. Ing. (FH) Stefan Windisch
Function: CEO

Signature:

A handwritten signature in blue ink, appearing to be 'S. Windisch', written over a horizontal line.