

FlowTimer+ Detect RF Set

Direct water detection
with the FlowTimer+ System

Operating manual



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1 General information

The operating instructions describe the entire life cycle of the system. Keep this manual in a way that it is 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 observe these instructions can lead to dangerous situations.

- The operating instructions must be read and understood.

1.1 Explanation of symbols

DANGER

Warning of an immediate danger!

Failure to observe this warning may result in death or serious injury.

WARNING

Warns of a possibly dangerous situation!

- Failure to observe this warning may result in serious injury or death.

CAUTION

Warns of a possible danger!

- Non-compliance can result in medium or light injuries.

NOTE **Warns of material damage!**

Failure to do so may damage the system or equipment.



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



refers to information in this operating manual or in other documentation.

➤ **Action steps**

The defined sequence of action steps facilitates the correct and safe use of the system.

✓ **Result**

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

2 Technical data

2.1 Radio water detector

- Operating voltage: 9 V =
- Signal volume: approx. 85 dB/3 m
- Battery life approx.: 18 months
- Transmission frequency: 868 MHz
- Permissible ambient temperature: 0 °C ...+40 °C
- Dimensions: Ø 101 x H 37 mm

2.2 Environmental and climatic conditions (splinter)

- Ambient temperature: +5°C - 40°C
- Protection class: IP20
- Installation location Splitter, I/O cables and connectors: For indoor use only

2.3 Lifetime

- The function of the FlowTimer+ Detect RF Set must be checked at the intended intervals (see also chapter 7.1.)

3 Appropriate use

Please observe the instructions in this operating manual as well as the operating conditions and permissible data according to the data sheet to ensure 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 is the warranty on the system and accessories!

The FlowTimer+ Detect RF Set consists of two 868 Mhz radio water detectors of the brand Flammex. One of the detectors is modified and has an additional cable connection for FlowTimer+.

This wireless water detector with cable connection must be located at the installation site of FlowTimer+ and monitors e.g. the house filter. Additional wireless water sensors can be located up to 25 meters away (depending on the environment) (bathroom, kitchen, etc.), whereby each sensor extends the range!

If a wireless water sensor detects conductive drinking water, the wireless water sensor with cable connection immediately blocks the FlowTimer+ and alarms all of them acoustically.

The FlowTimer+ Detect RF Set contains additional parts to split the FlowTimer+ I/O connector. This allows the connection of additional FlowTimer+ accessories if required.

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

Furthermore, the original operating instructions of the manufacturer FlammEx at www.gev.de must also be observed!

Any other use or use beyond this is considered to be improper use. usetech GmbH shall not be liable for any damage resulting from such use. The risk is borne solely by the user.

3.1 Improper use

Use other than for the intended purpose in the sense of a foreseeable misuse:

- 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 accessories!
- The water sensor is only suitable for electrically conductive drinking water.
- The FlowTimer+ Protect is not directly supported, 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 RF Set

4.1 Scope of delivery FlowTimer+ Detect RF Set



Figure 4.1: Scope of delivery FlowTimer+ Detect RF Set

- 1 Wireless water detector with 2 m cable and I/O connector
- 2 Radio water detector
- 3 I/O connection cable 0.5 m
- 4 I/O Splitter
- 5 2x 9V block battery

5 Installation

5.1 Placement of the radio water detectors



Place the water detectors on the floor so that in the event of an alarm, the three contact surfaces of the detectors can come into contact with water.

5.2 Placement of splitter and cables



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

5.3 Electrical connection

- Insert the I/O connector of the wireless water detector (1) into the FlowTimer+ I/O connector.
- If the connector is already in use, please use the splitter and the I/O cable.



When the I/O connector is plugged into the socket, this must cause a clicking noise. If not, please check again that the connector is properly engaged!

When disconnecting connections, please make sure to press the locking lugs of the I/O connectors!

5.4 Commissioning / adding detectors

- Unscrew the tops of the two wireless water detectors and insert a 9V battery in each case.



- Only two wireless water detectors that are to be programmed (connected to each other) may be put into operation at the same time and not all detectors used in the house at once!

(For all others, please simply disconnect the battery and then wait for approx. 2 minutes).

- Press and hold the internal button for approx. 2-3 seconds on a wireless water detector. The red LED will then start flashing approx. once per second.
- Release the key again.
- The wireless water detector is now in programming mode for approx. 60 seconds.
- Immediately afterwards, press the button for approx. 2-3 seconds on another wireless water detector. The red LED will then start flashing approx. once per second.
- Release the key again.
- The wireless water detector is in programming mode for approx. 60 seconds. Both radio water detectors automatically program each other into a radio group. The programming process can take up to approx. 60 seconds in total.
- If the programming was successful, the red LEDs on both wireless water detectors light up permanently for 2-3 seconds.
- If after approx. 60 seconds the red LEDs do not light up permanently for 2-3 seconds, the programming procedure was not successful and the wireless water detectors return to normal mode.
- In this case the programming procedure must be repeated.



Up to 30 wireless water detectors can be assigned to one wireless group!

5.5 Deleting the programming

- Press and hold the button of the wireless water detector to be deleted for approx. 5 seconds until the red LED flashes approx. twice per second.
- After approx. 2-3 seconds, the LED flashes approx. once per second - keep the button pressed until the LED flashes twice as fast.
- Release the key again.
- The wireless water detector is then in normal mode again, but without belonging to a wireless group.

5.6 Functional test

- For the test, bridge the three sensor surfaces by placing the wireless water detector (1) connected to the FlowTimer+ e.g. on a plate that is slightly filled with water.
- The detector emits a loud beep as long as you bypass the sensors. The FlowTimer+ will immediately shut down.
- Reset the Flowtimer+.
- For the test, bridge the three sensor surfaces by placing the wireless water detector (2), for example, on a plate that is slightly filled with water.
- The detector (2) emits a loud signal tone as long as you bypass the sensors. After that the detector (1) connected to the FlowTimer+ will give an alarm and the FlowTimer+ will block.



If possible, test with some water on the floor to see if the alarm works in practice.

6 Operation and function

6.1 Operating states

6.1.1 Normal operation

An operation is not necessary.

If a wireless water detector detects conductive drinking water, FlowTimer+ shuts off the system and alarms acoustically.

6.1.2 Restarting the system

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

A further prerequisite for this is that all water detectors are dry again and the splinter has not become wet!

6.1.3 Battery pre-alarm



The detector emits a short beep if the battery voltage is too low.

This is quieter than the watermessage and indicates battery exhaustion.

- The battery must be replaced for proper operation.

7 Troubleshooting, maintenance



If an alarm has occurred, first check all locations of the water detectors for possible water accumulation.

If the connected FlowTimer+ shuts off without any reason, disconnect the I/O connector of the wireless water detector (1) from the I/O connector 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 its function (see "Instructions FlowTimer+ Set").
Yearly	The 9V batteries should be replaced annually or if the sound is no longer clear and loud when tested.

8 Packing, transport, storage



Damage in transit!

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 bearing 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 system dry and dust-free!
- Storage temperature: -30°C to +60°C

9 Disposal and EC declaration of conformity

Information on the Waste Equipment Ordinance

Act on the placing on the market, 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 equipment at a municipal collection point as prescribed by law, or hand it in at a local retail outlet free of charge.

Disposal in household waste is expressly prohibited according to the Ordinance on Waste Equipment!

You can return devices received from us free of charge after use by sending them back to us by post sufficiently stamped to the address given in the imprint.

Old appliances containing harmful substances are marked with the symbol of a crossed-out dustbin.



Battery Note

Used batteries must not be disposed of with unsorted household waste. Owners of used batteries are legally obliged to return them and can return them free of charge to the points of sale. Batteries contain substances harmful to the environment and health and must therefore be disposed of properly.



CE00886600

EC Declaration of conformity
EG Konformitätserklärung

Supplier name/Hersteller : GEV GmbH
Suppliers address / Hersteller Adresse: Heidehofweg 16
supplier address/Hersteller-Adresse: DE 25499 Tangstedt

Declares, that the product / Erklärt, dass das Produkt

Radio network module 868Mhz / Funk Vernetzungsmodul 868MHz

Article no./Artikel-Nr. name/ Name

003545 **GEV FMF 3545**

Conforms to the following regulations / den folgenden Richtlinien entspricht:

R&TTE 1999/5/EC	EMV	ETSI EN 301 489-3 V1.6.1 ETSI EN 301 489-1 V1.9.2
	Safety	EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 +AC:2011
	Health	transmitted power < 10mW
	Radio	ETSI EN 300 220-2 V2.4.1
RoHS 2011/65/EU	EN 50581:2012	

Class / Klasse 1

CE sign applied since /
CE Zeichen angebracht seit: 2015

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Date / Datum: 07.08.2015 07.08.2015

Signature / Unterschrift:


