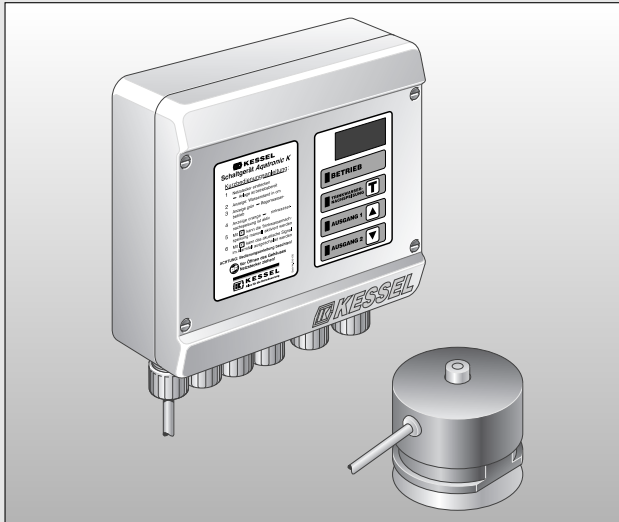


INSTALLATION, OPERATING AND MAINTENANCE INSTRUCTIONS

KESSEL *Aqatronic*[®] K switching device

for KESSEL *Aqabull*[®] and *Aqadive*[®] rainwater pumping systems



Art. Nr. 85 030

Product advantages

- Includes ultrasonic probe (20m cable length)
- Digital level indicator for the rainwater tank
- Reprogrammable switching points
- Floating contact
- Visual / acoustic backwater alarm
- High level of operating safety and reliability
- Nationwide service network



Installation Putting into service Instruction
on how to operate it are all provided by your local specialist
firm:

Name/Signature

Date

Town/City

Specialist firm's stamp

 **KESSEL**

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Design and specifications are subject to
change without notice

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1. General Information

Dear Customer,

Thank you for purchasing a KESSEL product.

The whole system was subjected to strict quality control before leaving the factory. Nevertheless, please check immediately whether you have been delivered a complete, undamaged system. If you find any transport damage, please follow the instruction in the "Warranty" chapter of this document.

These installation, operating and maintenance instructions contain important information which must be noted and followed during installation, operation, maintenance and repair of the system. The owner / operator and the responsible skilled personnel must carefully read this document before carrying out any work on the system and must follow the instructions given.

KESSEL GmbH

Uses:

The Aqatronic K switching device is used to control drinking water top-up and level monitoring for KESSEL Aqabull and Aqadive rainwater pumping systems.

In normal operation the water level in the tank is displayed. Various functions can be controlled using the buttons. Delivery includes an ultrasound sensor with which the water level in the tank is measured.

2. Safety Instructions

The installation, operation, maintenance and repair personnel must have the necessary qualifications for this work. The owner/operator must clearly define responsibilities, accountability and monitoring of the personnel.

Operating safety and reliability of the supplied system is only guaranteed for its proper intended use. The limit values given in the technical specifications must never be exceeded.

This system contains electrical voltages and controls mechanical system parts. Failure to follow the installation and operating instructions can result in substantial property damage, physical injuries or even fatal accidents.

The accident prevention regulations, relevant DIN and VDE standards and guidelines as well as the regulations of the local power

supply company must be complied with during installation, operation, maintenance and repair of the system.

The system is part of another, overall system. You must therefore also note and follow the operating instructions for the whole system and the individual components. Each time any installation, maintenance, inspection or repair work is carried out on one of the components the whole system must always be shut down and secured against being switched back on again.

The system may not be operated in potentially explosive atmospheres.

The switching device is live and may not be opened. Qualified electricians only may carry out work on electrical equipment. The term "qualified electrician" is defined in VDE 0105.

Ensure that the electrical cables and all other electrical parts of the system are in perfect working order. If any damage occurs, the system may not be started up and must be repaired immediately.

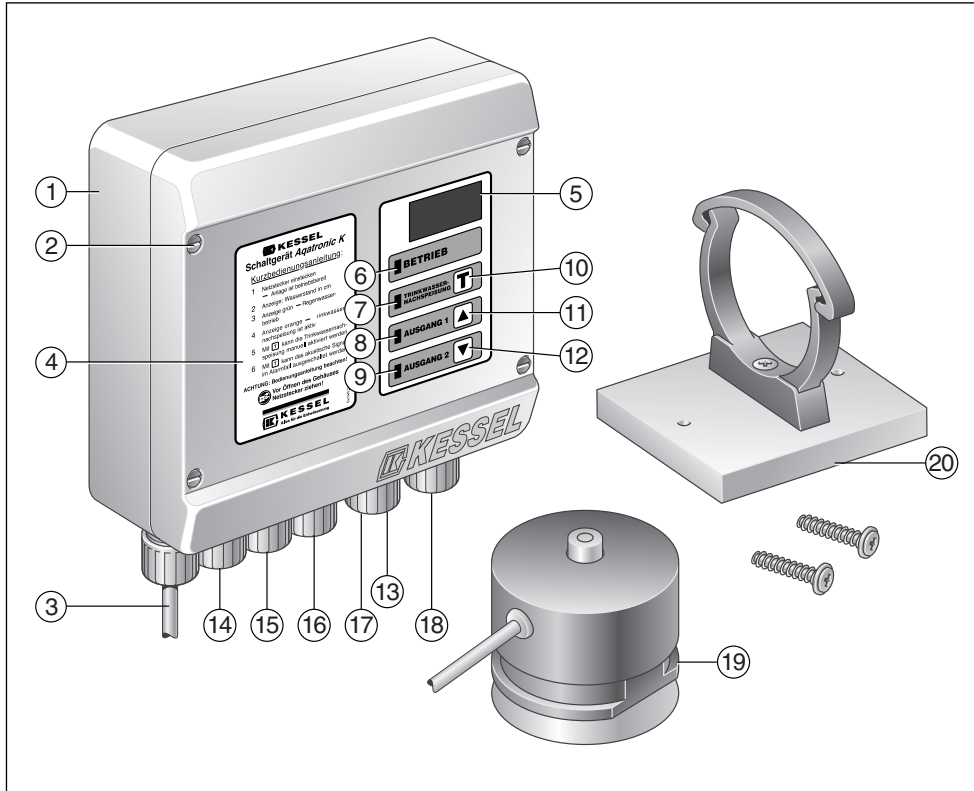
The system has no effect on the quality of the rainwater.

Modifications or changes to the system may only be made in consultation with the manufacturer. Original spare parts and accessories approved by the manufacturer help to ensure safety. Use of other parts can cancel liability for any resulting consequences.

3. Technical Specifications

Voltage / frequency	230 VAC / 50 Hz
Power consumption of electronics	5W
Degree of protection / class	IP54 / I
Temperature range	0 to 40 °C
Ultrasound sensor	
Maximum measuring range / resolution	20 - 500 cm / 1 cm
Accuracy	< 1% in relation to final value 500 cm dispersion angle 2a = 12° (sensitivity = 25)
Temperature range	-10 to 40 °C
Degree of protection	IP 67 / 5m for 10 min.; 1m for 24 hr.
Cable sheath diameter	6 mm
Cable sheath material	PVC
Conductor cross-section	3 x 0.75 mm ²
Cable length	20 metre
Changes to ultrasound sensor/cable to be	made in consultation with KD only
Maximum cable length	80 metre, cable connection IP68 or better
Connection	
• Drinking water top-up	230VAC/ max. 450 W
• Output 1 = Rainwater filter rinsing	230VAC/ max. 450 W
• Output 2 = Operating safety	230VAC/ max. 450 W
• Floating contact	230 VAC / 2A; 10 - 30 V DC / 10 mA – 2 A; without fusing and suppressor circuit for inductive loads
Electrical connections suitable for all copper conductors	0.08 - 2.5 mm ²
Cable sheath diameter	5 - 9 mm
Leakage probe:	
a) Conductivity probe	Conductivity range 10 - 1500µS / cm (for 3m cable length)
b) Optical probe	Conductivity range unlimited
Dimensions	
• Housing L x W x H in mm	180x200x70
• Ultrasound probe	Diameter x length in mm 85 x 80
Weight	
• Aqatronic K switching device	970 g
• Ultrasound probe without connection lead	260 g

4. System Description



- ① Switching device housing
- ② Screw M4x28 (4x)
- ③ Power supply cord 1.5m
- ④ Quick reference guide
- ⑤ 7 segment display, 3-digit
- ⑥ LED green display, normal operation
- ⑦ LED orange display, drinking water top-up
- ⑧ LED orange display, output 1 = rainwater filter rinsing
- ⑨ LED orange display, output 2 = operating safety
- ⑩ "T" button
- ⑪ Up "▲" button
- ⑫ Down "▼" button
- ⑬ Ultrasound sensor connection
- ⑭ Drinking water top-up connection
- ⑮ Rainwater filter rinsing connection
- ⑯ Operating safety connection
- ⑰ Floating contact connection
- ⑱ Leakage probe connection
- ⑲ Ultrasound sensor with 20m connection lead
- ⑳ Mounting plate with accessories for fixing the ultrasound sensor

4. System Description

4.1 General system description

7 segment display, 3-digit (5)

In normal operation the current water level is displayed in cm. The following are also displayed: Top-up time, error, set points and set values.

LED green display, normal operation (6)

In normal operation the green LED is lit.

LED orange display, drinking water top-up (7)

The orange LED is lit during drinking water top-up.

LED orange display, output 1 = rainwater filter rinsing (8)

The orange LED is lit if output 1 is activated.

LED orange display, output 2 = operating safety (9)

The orange LED is lit if output 2 is activated.

"T" button (10)

The "T" button is used to manually switch on drinking water top-up. In addition, the "T" button is used to acknowledge errors, to switch off the acoustic alarm, to select set points and to save set values.

"▲" button (11) and "▼" button (12)

The two "▲" and "▼" buttons are used to select set points and set values.

Ultrasound sensor (19)

The ultrasound sensor measures the water level in the tank.

The Aqatronic K switching device is used to control drinking water top-up and level monitoring for KESSEL Aqabull and Aqadive rainwater pumping systems.

The difference between the two systems is the type of drinking water top-up and the location of the pump.

With the KESSEL Aqabull rainwater pumping system the water is topped up as and when necessary via a separate top-up supply tank. The pump is located outside the tank. With the KESSEL Aqadive rainwater pumping system the top-up supply is fed directly into the tank. The pump is located inside the tank.

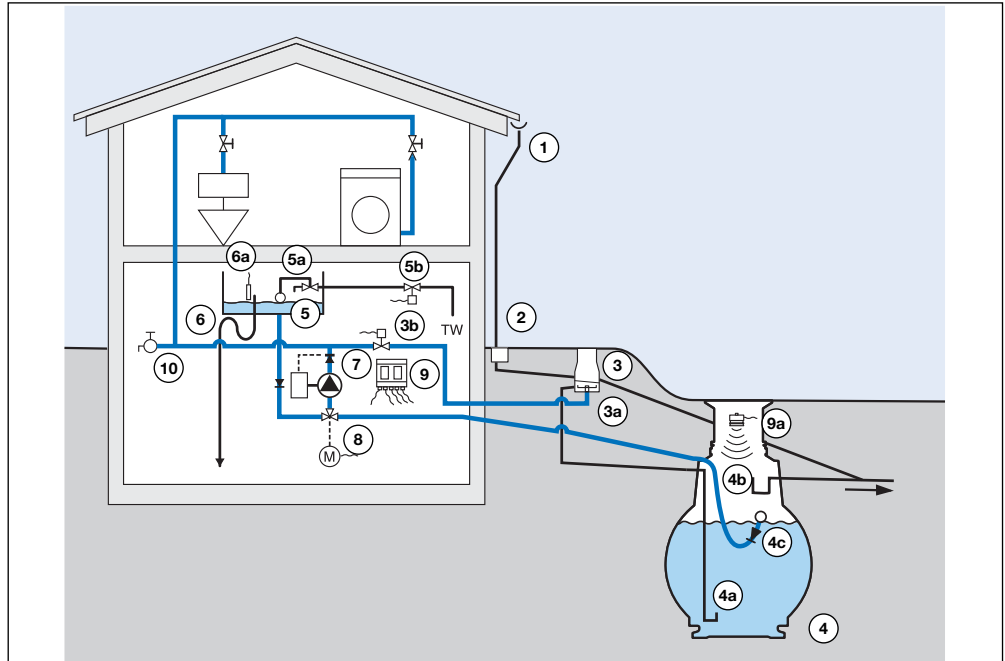
Note:

If the Aqatronic K switching device is purchased without the rainwater pumping system the switching device is in the Aqabull basic setting.

4. System Description

4.2 Aqabull system description

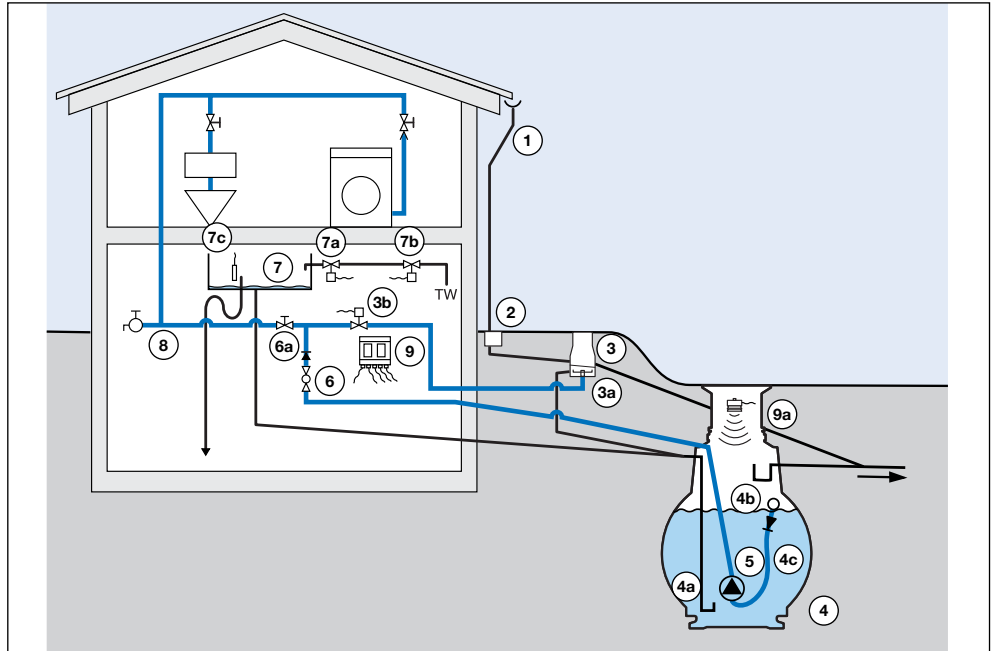
- ① Gutter, downpipe
- ② Rainwater drain with silt trap
- ③ Rainwater filter
- ③a Rainwater filter rinsing
- ③b Solenoid valve, rainwater filter rinsing
- ④ Tank
- ④a Inlet calming device
- ④b Overflow trap
- ④c Intake with float
- ⑤ Drinking water top-up supply tank
- ⑤a Float valve
- ⑤b Solenoid controlled emergency mains supply
- ⑥ Emergency overflow with odour trap
- ⑥a Leakage probe
- ⑦ Pump with automatic pressure switch
- ⑧ 3-way changeover valve, drinking water top-up
- ⑨ Aqatronic K switching device
- ⑨a Ultrasound sensor
- ⑩ Non-potable water system



4. System Description

4.3 Aqadive system description

- ① Gutter, downpipe
- ② Rainwater drain with silt trap
- ③ Rainwater filter
- ③a Rainwater filter rinsing
- ③b Solenoid valve, rainwater filter rinsing
- ④ Tank
- ④a Inlet calming device
- ④b Overflow trap
- ④c Intake with filter
- ⑤ Pump
- ⑥ Automatic pressure switch
- ⑥a Service water system shut-off valve
- ⑦ Drinking water top-up
- ⑦a Solenoid valve, drinking water top-up
- ⑦b Solenoid valve, operating safety, drinking water top-up
- ⑦c Leakage probe
- ⑧ Non-potable water system
- ⑨ Aqatronic K switching device
- ⑨a Ultrasound sensor



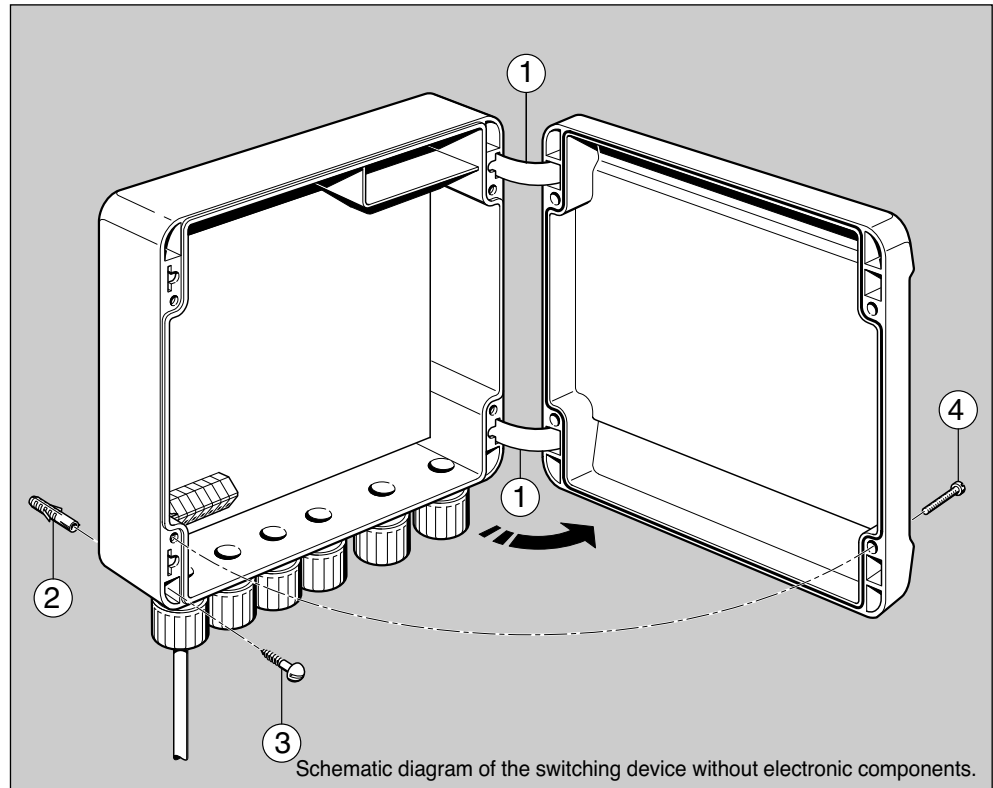
5. Installation

5.1 Switching device installation

Note and follow the Safety Instructions chapter!

In a KESSEL Aqabull or Aqadive rainwater pumping system the switching device is an integral part of the system and is already completely installed. If used separately, the switching device is installed in a suitable position, e.g. mounted on the wall at eye level. To do this, remove the four screws M4x25, pull up the cover slightly and open up. Use the 4 screws 3.5x30 to fix the control box to the wall as illustrated. The screws as well as plastic wall plugs and a drilling template are included with the device.

- ① Hinge (2x)
- ② Plastic wall plug 5mm (4x)
- ③ Screw 3,5x30 (4x)
- ④ Cover screws (4x)

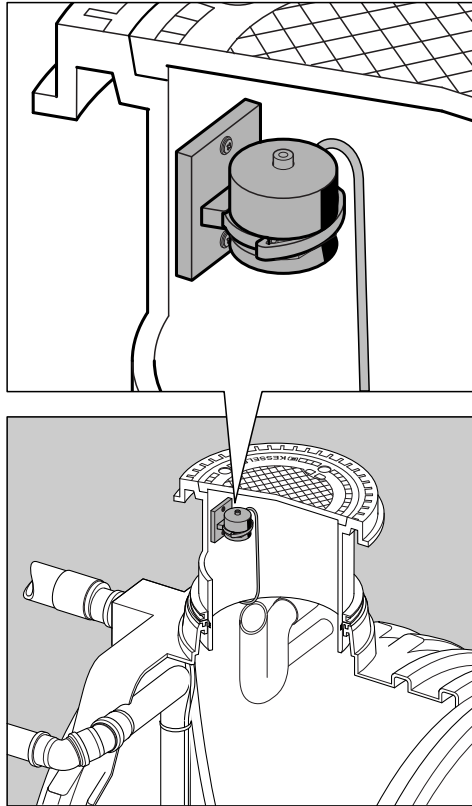


5. Installation

5.2 Ultrasound sensor installation

the following must be noted:

- **"Safety instructions" chapter**
- Handle the ultrasound sensor with care
- Do not damage the sealing rubber between the attachment and tank
- The ultrasound sensor must be aligned perpendicular to the surface of the water. The maximum deviation is 2°
- Ensure there are no objects between the ultrasound sensor and the surface of the water (e.g. ball of the floating extractor)
- The distance between the bottom edge of the sensor housing and the highest water level in the tank must be greater than 20 cm
- The levels and switching points in the tank (see following diagrams)
- The ultrasound sensor must be secured with the bracket.
- The connection cable must be secured with strain relief (cable grip).



5.3 Installing the leakage probe

Note and follow the "Safety Instructions" chapter!

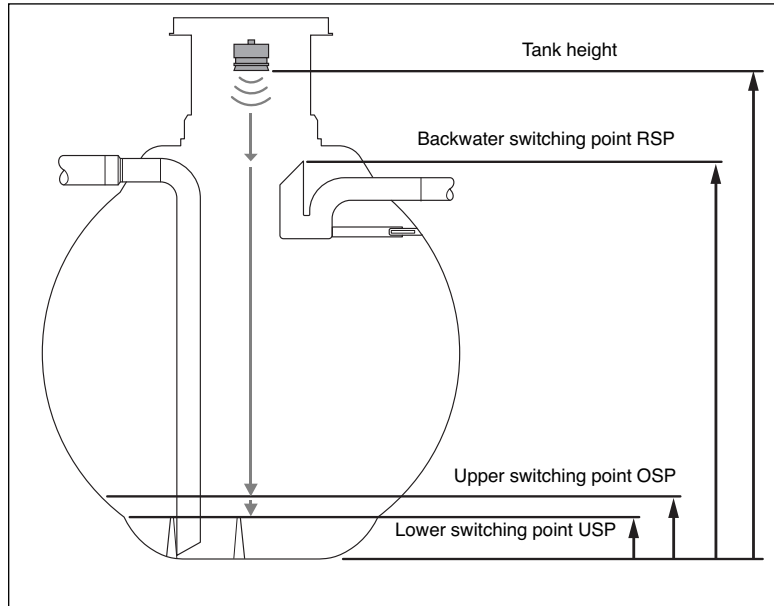
Install the leakage probe as given in the original operating instructions.

5. Installation

5.4 Levels and switching points in the tank

Set point	Set value range	Factory setting	Pers. Einstellung in cm
Tank height	50-500 cm	No default setting	
Backwater switching point RSP	35-485 cm	No default setting	
Upper switching point OSP	10-60 cm	21 cm	
Lower switching point USP	0-50 cm	20 cm	

Important!
Tank height \geq RSP + 15cm $>$ OSP \geq USP + 1cm



6. Electrical Connection

Important!

To be connected by a qualified electrician only. Comply with the relevant, currently valid regulations, laws and standards. Also read and follow the "Safety Instructions" chapter. The seals of the cable glands which are not used, i.e. no cable is connected through them, may not be penetrated. They help to seal the housing.

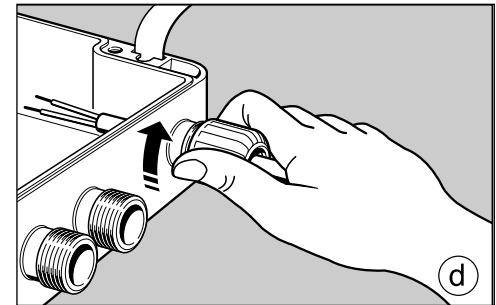
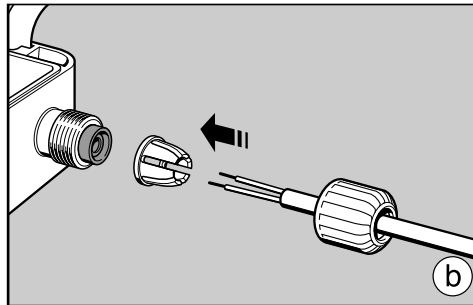
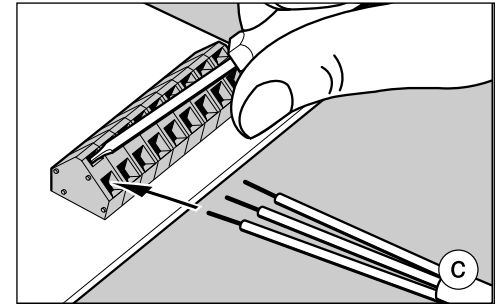
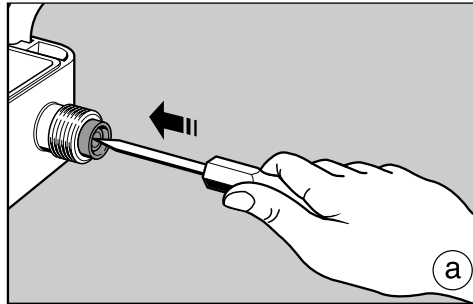
The connection lead of the ultrasound sensor must be connected in accordance with the circuit diagram (see next page). First, use a screwdriver to push through the cable gland seal concerned (Figure a), feed through the cable (Figure b) and connect (Figure c).

Then tighten the nut of the cable gland by hand (Figure d).

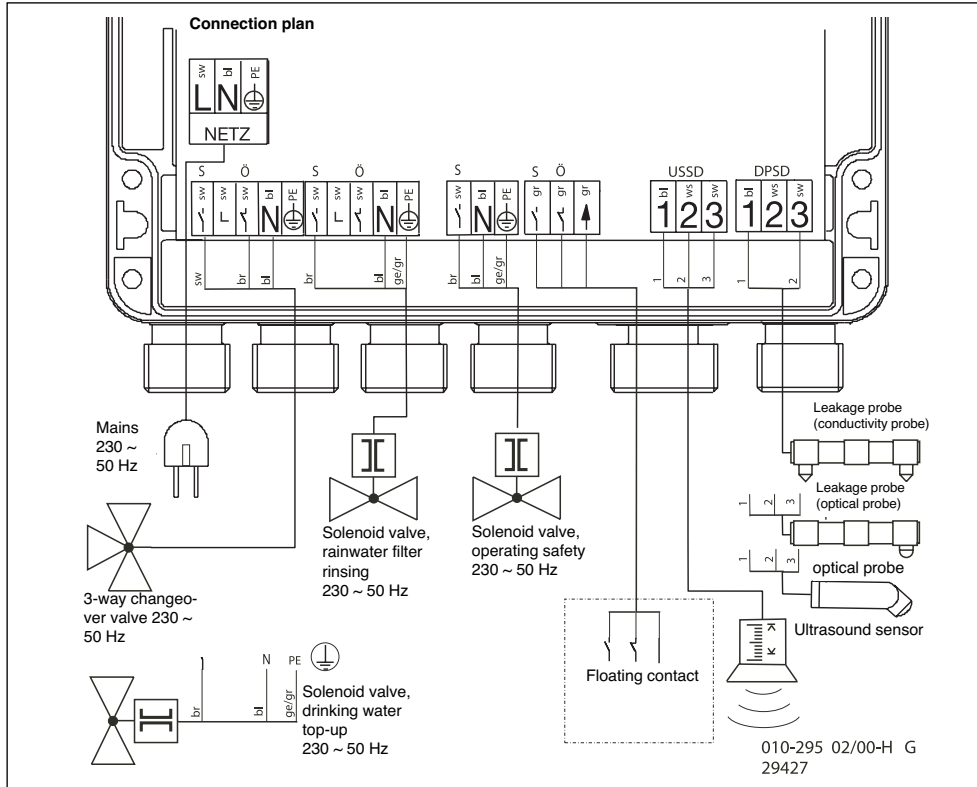
Note the technical specifications when connecting the drinking water top-up supply, outputs 1 and 2, the floating contact and the leakage probe. Use products approved

by the manufacturer only. Otherwise the above text applies.

Do not penetrate the seals of the cable glands which are not used, i.e. through which a cable is not connected. They help to seal the housing



6. Electrical Connection



Important!

- To be connected by a qualified electrician only.
- Comply with the relevant, currently valid regulations, laws and standards.
- Also read and follow the "Safety Instructions" chapter.
- If the potential free contact is connected, a very dangerous interference voltage may exist at the terminals, even if the mains plug has been disconnected.
- If the potential free contact is connected with 230 VAC the same phase must be used as for the mains connection.

ZE = additional equipment

ZLT = central measurement and control

7. Commissioning

7.1 Initial start-up

Note and follow the "Safety Instructions" chapter!

If all the electrical and mechanical components have been properly connected, the system can now be put into service.

- Plug the mains plug into the earthing socket.
 - The switching device displays the current version number.
 - Soon after, "HHH" appears.
- Press the "T" button
 - "020" appears in the display
 - An acoustic signal is emitted.
- Use the "▲" and "▼" buttons to set the tank height in cm.
- Press the "T" button for more than 2 seconds to confirm the value.
 - An acoustic signal is emitted.
 - Value has been saved

The device is in normal operation. After a short time the current water level is displayed in cm. The green LED for normal operation is lit. The device is running with the default factory settings. These are shown in the table "5.4 Default factory settings"

7.2 Normal operation:

In normal operation, the switching device compares the water level in the tank with the set switching points. If there is sufficient water in the rainwater tank (water level above the USP) the system runs in rainwater mode, i.e. when a fixture (i.e. toilet, faucet) connected to the service water system is opened, rainwater is pumped into the pipe network. If the water level falls below the USP, the drinking water top-up is automatically activated until the water level has reached the OSP. Activation of the drinking water top-up is indicated by the orange drinking water top-up LED.

7.3 Manual drinking water top-up (TWvH)

The "T" button can be used to switch on drinking water top-up (TWvH). TWvH automatically switches off after a defined time. The TWvH time is stored in set point E02 and can be changed at any time. During TWvH the remaining time in minutes appears in the display. The decimal points of the display flicker and the orange drinking water top-up LED is lit. The TWvH can be switched off manually at any time.

7. Commissioning

7.4 Other functions:

a) Backwater switching point

This has a different effect on the drinking water top-up depending on the two system types:

Aqabull:

Drinking water top-up is switched on automatically. The non-potable water system is supplied directly from the drinking water top-up tank until the error is acknowledged at the switching device.

Aqadive:

Drinking water top-up is blocked until the error is acknowledged at the switching device.

b) Rainwater filter rinsing

The rainwater filter is rinsed at regular intervals. Activation of this function and the times for the rinsing interval and duration can be set as required. Rainwater filter rinsing can be switched on manually at any time.

c) Detection of leaking water

If the leakage probe detects water, the drinking water top-up, output 1, output 2, the floating contact and the acoustic alarm are affected according to the selected settings.

d) The floating contact

The floating contact is used to signal a mains power failure or error.

e) Sensitivity of the ultrasound sensor

The sensitivity of the ultrasound sensor can be adjusted to match the installation conditions.

7. Commissioning

7.5 Default factory settings

Set point	Significance	Range of the set values	Factory setting	Your personal setting
E00	Master reset			
E01	The device determines the distance to the surface of the water in cm			
E02	Manual drinking water top-up time	001 to 999 = 1 - 999 minutes	001 = 1 minute	
E03	System type	000 = Aqadive 001 = Aqabull	001	
E10	Tank height	050 bis 500 = 50 - 500 cm	No default setting	
E11	Lower switching point USP, drinking water top-up	000 bis 050 = 0 - 50 cm	020 = 20 cmg	
E12	Upper switching point OSP drinking water top-up	010 bis 060 = 10 - 60 cm OSP \geq USP + 1cm	021 = 21cm	
E13	Backwater switching point RSP	035 bis 485 = 35 - 485 cm tank height \geq RSP + 15cm	No pre-setting	

7. Commissioning

Set point	Significance	Range of the set values	Factory setting	Your personal setting
E20	Rainwater filter rinsing	000 = Time control inactive 001 = Time control active 002 = Immediate operation active, i.e. rinsing starts immediately	000	
E23	Time interval of the rinsing	001 bis 020 = 1 - 20 weeks	001 = 1 week	
E24	Rinsing duration	001 bis 999 = 1 - 999 seconds	030 = 30 seconds	
P40	Leakage probe	000 = no leakage probe installed 001 = leakage probe is an optical probe 002 = leakage probe is a conductivity probe	000	
P41	Effect on drinking water top-up if leaking water is detected	000 = no effect 001 = switch on drinking water top-up 002 = switch off drinking water top-up	000	
P42	Effect on rainwater filter rinsing if leaking water is detected	000 = no effect 001 = switch on rainwater filter rinsing 002 = switch off rainwater filter rinsing	000	

7. Commissioning

Set point	Significance	Range of the set values	Factory setting	Your personal setting
P43	Effect on operating safety output water if leaking water is detected	000 = no effect 001 = switch on operating safety 002 = switch off operating safety	002	
P44	Effect on the floating contact and acoustic alarm if leaking water is detected	000 = floating contact relay remains picked up 001 = floating contact relay drops out acoustic alarm on	001	
P50	Inversion of drinking water top-up	000 = not inverted 001 = inverted	000	
P51	Inversion of rainwater filter rinsing	000 = not inverted 001 = inverted	000	
P53	Inversion of operating safety output	000 = not inverted 001 = inverted	001	
P54	Inversion of floating contact relay	000 = not inverted 001 = inverted	001	
P70	Sensitivity of the ultrasound sensor	000 to 050; 000 = insensitive 050 = sensitive 025 = average sensitivity	025	

7. Commissioning

7.6 Checking the set values:

In normal operation the "T", "▲" and "▼" buttons can be used to check set values.

A set value is assigned to each set point (see default factory settings table).

Important! A master reset is performed under set point E00. The distance to the surface of the water is measured under set point E01.

- Simultaneously press "T", "▲" and "▼" buttons.
 - An acoustic signal is emitted and E00 is displayed.
- Use the "▲" and "▼" buttons to select the required set point.
- Confirm with "T" button.
 - The set value is displayed.
- Briefly press the "T" button.
 - The set point is displayed again.
- Press the "T" button until an acoustic signal is emitted.
 - The device is in normal operation.

If the "T" button is not pressed for 20 seconds, the device automatically switches to normal operation. At the same time, an acoustic signal is emitted.

7.7 Changing the set values:

In normal operation the "T", "▲" and "▼" buttons can be used to change set values.

A set value is assigned to each set point (see default factory settings table).

Important! A master reset is performed under set point E00. The distance to the surface of the water is measured under set point E01.

7. Commissioning

- Simultaneously press "T", "▲" and "▼" buttons.
 - An acoustic signal is emitted and E00 is displayed.
- Use the "▲" or "▼" button to select the required set point.
- Confirm with the "T" button.
 - The set value is displayed.
- Use the "▲" and "▼" buttons to change the required set value.
- Press the "T" button until an acoustic signal is emitted.
 - The set value is saved.
 - The set point is displayed again.
- Press the "T" button until an acoustic signal is emitted.
 - The device is in normal operation.

If the "T" button is not pressed for 20 seconds, the device automatically switches to normal operation without saving any changes.

At the same time, an acoustic signal is emitted. The device allows meaningful values only for the tank height and switching points. Tank height > RSP > OSP > USP.

After a mains power failure the set values changed by you are retained.

7.8 Master reset

Important! A master reset deletes all the set values entered by the user. Before triggering the master reset, the whole system must be checked for possible resulting hazards. The factory setting is stored in the switching device, BUT, the system type setting (Aqadive or Aqabull) is retained.

- Simultaneously press "T", "▲" and "▼" buttons.
 - An acoustic signal is emitted and E00 is displayed.
- Press "T" button.
 - "— ——" appears in the display.
- Simultaneously press the "▲" and "▼" buttons until an acoustic sound is emitted.
 - "HHH" appears in the display.
 - The master reset has been performed and the factory setting is saved.
- See item 7.1 Initial start-up for a description of further steps to be taken.

8. Malfunctions and Corrective Action

Malfunctions are displayed and signalled by an acoustic alarm. The alarm tone can be acknowledged with the "T" button, but the error message stays displayed. When the error has been corrected it can be acknowledged by extended pressing of the "T".

8.1 Possible types of error

Error-Code	Error type
A - 1	Backwater switching point RSP has been reached
A - 2	Leakage probe signals leaked water
A - 3	Ultrasound sensor or leakage probe signal error
A - 4	Ultrasound sensor receives no echo
A - 5	Ultrasound sensor measures value which is too large

8.2 Troubleshooting

Read and follow the "Safety Instructions" and "Inspection and Maintenance" chapters!

Meaningful tank height and switching point values are necessary conditions for the troubleshooting.

Error A - 1 (malfunction):

The water level in the tank has exceeded the backwater switching point RSP.

It is possible that the tank has been flooded due to backwater from the sewer and wastewater containing faecal matter is in the tank. The water quality must be checked. If in doubt, contact your customer service partner.

Aqabull response:

The drinking water top-up is automatically switched on. The non-potable water system is supplied directly from the drinking water top-up tank until the error is acknowledged at the switching device.

Aqadive response:

Drinking water top-up is blocked until the error is acknowledged at the switching device.

Error A - 2 (malfunction):

Leaked water has been detected by the leakage probe. Please check the place where the leakage probe is attached immediately. If in doubt, contact your customer service partner.

8. Malfunctions and Corrective Action

Error A - 3 (device error):

Sensor type:	Cause of error:
Ultrasound sensor	Technical defect
	Incorrectly connected
	Short-circuit in the connection lead
	Interruption (break) in the connection lead
Leakage probe	Technical defect
	Incorrectly connected
	Short-circuit in the connection lead
	Interruption (break) in the connection lead
	Probe type incorrectly entered

Error A - 4 (device error):

Ultrasound sensor receives no echo. The water level cannot be measured. Check ultrasound sensor for dirt and alignment. Check whether there are any obstructions between the ultrasound sensor and the surface of the water.

A further cause of errors can be excessive disturbance/waves in the tank, check the inlet calming device is working properly.

Error A - 5 (device error):

The ultrasound sensor measures a value which exceeds the tank height. Check the ultrasound sensor is properly aligned.

An echo is also not returned if the base of the tank is uneven.

8.3 Simultaneous errors

If two or more errors occur simultaneously, only one error can be displayed. A priority has been assigned to the types of errors to simplify the troubleshooting. The error with the highest priority is always displayed. If it has been corrected and acknowledged with the "T" button, the error with the next highest priority is displayed.

Ranking	Error code:
1 (high)	A - 2
2	A - 1
3	A - 4
4	A - 3
5 (low)	A - 5

9. Inspection and Maintenance

Note and follow the "Safety Instructions" chapter!

All the inspection and maintenance work described in the following may be carried out by authorised, skilled personnel only.

Repairs may be carried out by the manufacturer only.

The switching device does not require any maintenance.

The ultrasound sensor must be checked for dirt and its alignment at regular intervals. AI-

ways handle the sensor with care. The sensor can be cleaned with mild soapsuds and a brush.

The connection leads must be checked for damage. If any damage is found, the system must be shutdown immediately.

10. Warranty

1. In the case that a KESSEL product is defective, KESSEL has the option of repairing or replacing the product. If the product remains defective after the second attempt to repair or replace the product or it is economically unfeasible to repair or replace the product, the customer has the right to cancel the order / contract or reduce payment accordingly. KESSEL must be notified immediately in writing of defects in a product. In the case that the defect is not visible or difficult to detect, KESSEL must be notified immediately in writing of the defect as soon as it is discovered. If the product is repaired or replaced, the newly repaired or replaced product shall receive a new warranty identical to that which the original (defective) product was granted. The term defective product refers only to the product or part needing repair or replacement and not necessarily to the entire product or unit. KESSEL products are warranted for a period of

24 month. This warranty period begins on the day the product is shipped from KESSEL to its customer. The warranty only applies to newly manufactured products. Additional information can be found in section 377 of the HGB.

In addition to the standard warranty, KESSEL offers an additional 20 year warranty on the polymer bodies of class I / II fuel separators, grease separators, inspection chambers, wastewater treatment systems and rainwater storage tanks. This additional warranty applies to the watertightness, usability and structural soundness of the product.

A requirement of this additional warranty is that the product is properly installed and operated in accordance with the valid installation and user's manual as well as the corresponding norms / regulations.

2. Wear and tear on a product will not be con-

sidered a defect. Problems with products resulting from improper installation, handling or maintenance will also be considered a defect.

Note: Only the manufacturer may open sealed components or screw connections. Otherwise, the warranty may become null and void

01.06.2010

EC DECLARATION OF CONFORMITY

Device / Type: KESSEL Aqatronic® K switching device

We herewith confirm that the product described above conforms to the essential health and safety requirements defined in the Council Directive on the approximation of the laws of the Member States relating to electromagnetic compatibility (89/336/EEC) as well as in the Council Directive on the harmonization of the laws of Member States relating to electrical equipment designed for use within certain voltage limits (73/23/EEC).

The following standards were used to assess the products with respect to electromagnetic compatibility:

EN 50081-1:1992


EN 50082-1:1992

The following standards were used to assess the products with respect to electrical safety:

DIN EN 60335-1:1995-10

DIN EN 60730-1:1996-01

Kessel GmbH, Bahnhofstraße 31, D-85101 Lenting



B. Kessel



G. Vanetta

Lenting 01.02.2002

11. Handover Certificate

Type designation*

KESSEL order number *

Production date *

(* according to rating plate/invoice)

Product name / system owner/operator

Address / Phone / Fax

Designer / Address / Phone / Fax

Installation firm

Address / Phone / Fax

Electrical firm

Address / Phone / Fax

Authorised acceptance representative

Address / Phone / Fax

Person handing over

Other comments

The putting into service according to the EBA and instruction was carried out in the presence of the authorised acceptance representative and the system owner/operator.

Town/City, Date

Signature of authorised acceptance representative

Signature of system owner/operator



Everything for Drainage

- Anti-flooding devices
- Pumps / Lifting stations
- Drains
 - made of Ecoguss
 - made of plastic
 - made of stainless steel,
 - Stainless steel gutters
- Separators
 - Grease separators
 - Oil/petrol interceptors
 - Starch separators
 - Sediment traps
 - Small wastewater treatment systems
- Manholes
- Rainwater harvesting systems



 **KESSEL**