



MAGELAN

Circulation Pump Controller

Assembly instructions

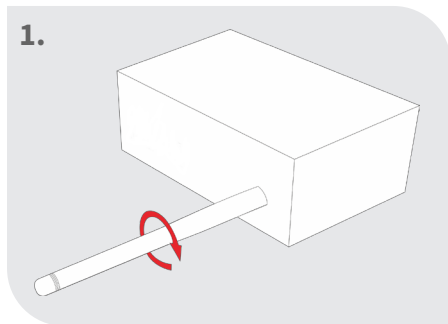
Brief description:

blossom-ic radio and app-controlled Circulation Pump Controller with contact Sensor. For controlling the circulation pump. As soon as the motion Sensors on the selected appliances detect people, the controller activates the circulation pump for the set running time. Furthermore, it is possible to set a certain temperature of the return pipe. As soon as the temperature falls below this temperature, the controller also activates the circulation pump. This process is repeated when the temperature is subsequently recorded. In addition, the controller offers a drinking water hygiene function against legionella. In conjunction with Gateway GT-100.

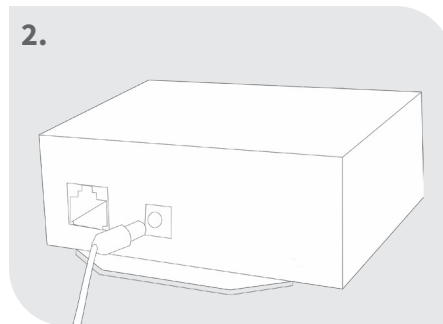
Contents...

Connection of the Gateway GT-100	3
Registration of Circulation Pump Controller ...	3
Connection diagram.....	4
Control via blossomic app.....	5
Technical data.....	7
Safety instructions	7
Declaration of conformity.....	7
Warning notice	7
Attention.....	7
Intended Use.....	7

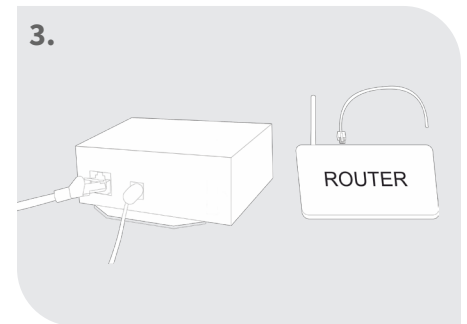
Connection of the Gateway GT-100



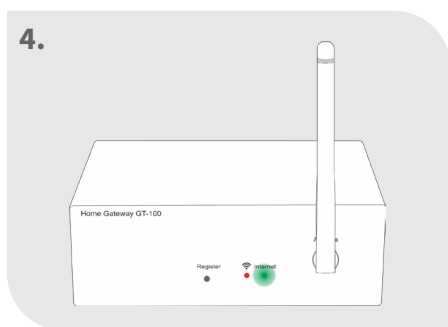
1. Screw on the antenna



2. Connect power supply unit



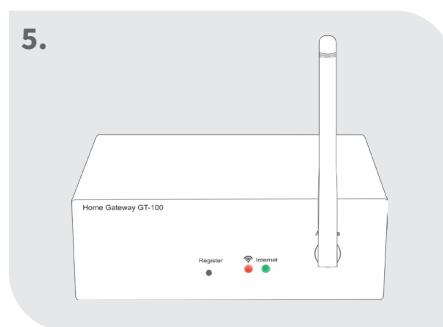
3. Connect the network cable



4. Check status

Green diode lights up constantly: Internet connection is establishing.

Green diode lights up constantly: Internet connection is successfully established



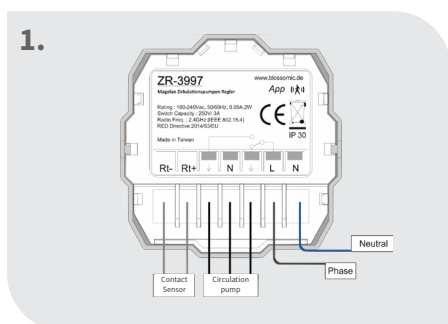
5. Both diodes light up permanently: Gateway active

Hint:

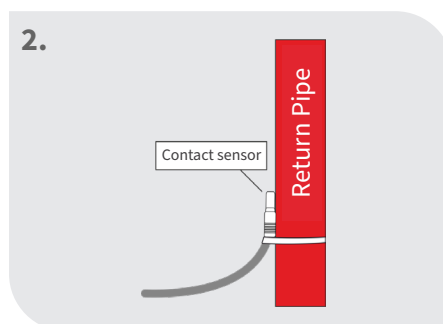
Functionality in the home safe area. Internet connection is used for convenient setting and control via smartphone.

The system functionality is guaranteed even if no Internet connection is available.

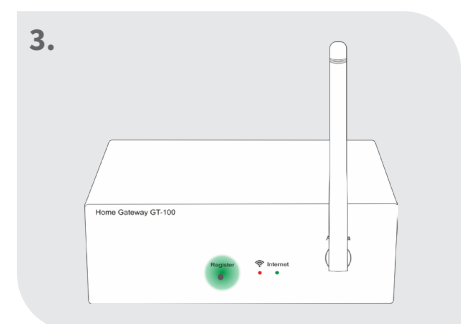
Registration of Circulation Pump Controller



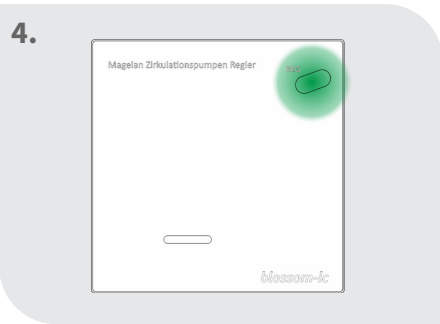
1. Connect the Circulation pumps controller as described in the connection diagram



2. Mount the contact Sensor at a suitable point in the return pipe



3. Press the „Register“ button on the gateway



Press the „Register“ button on the Circulation Pump Controller for 3 seconds



LED on controller starts flashing, controller registers



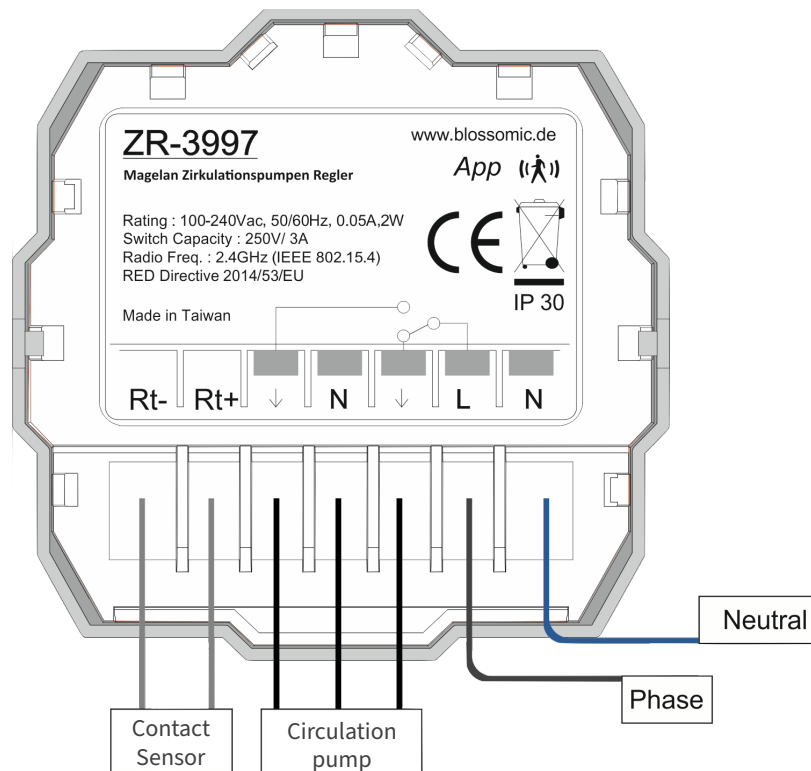
LED on the controller lights up continuously => The registration was successful

Note:

If the LED on the Circulation Pump Controller goes off => The registration has failed

(Please repeat previous steps)

Connection diagram

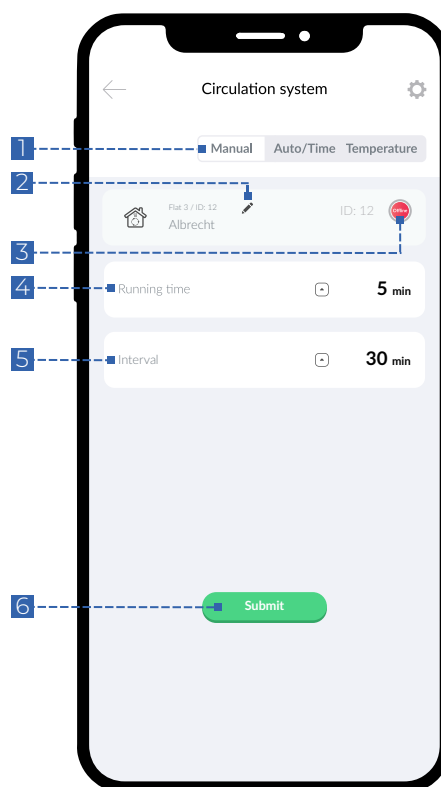


Control via blossomic app



Circulation system

As soon as the Circulation Pump Controller is registered on the gateway, the symbol “Circulation system” appears in the app.



1 Manual mode

2 Naming the Circulation Pump Controller

3 Status display

4 Setting the running time

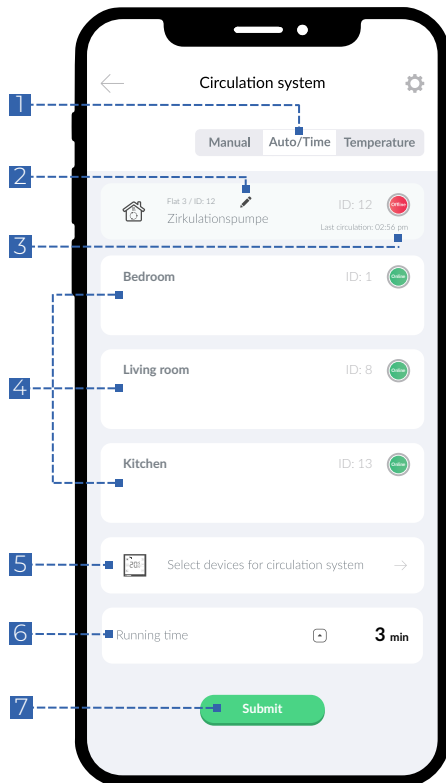
The circulation pump is active for the set running time (between 1 and 5 minutes). This enables hot water to be available at the hot water extraction points.

5 Setting the interval

The circulation pump is deactivated for the duration of the set interval. After this time, the controller activates the circulation pump for the set running time. The process is then repeated.

6 Save changes

All changes must always be confirmed



1 Automatic mode

2 Naming the Circulation Pump Controller

3 Last circulation

Time of the last circulation run.
(Note: After this circulation run, Sensor detection is disabled for 30 minutes to avoid unnecessary circulation runs)

4 Selected Sensors

In the overview you can see the Sensors that have been selected for Sensor acquisition.

5 Detection

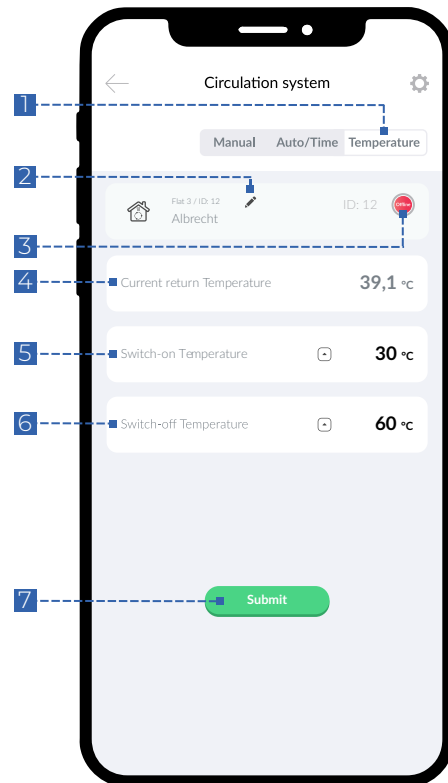
Selection of devices (thermostat, motion Sensor) for detection.

6 Setting the running time

The circulation pump is active for the set running time (between 1 and 5 minutes). This enables hot water to be available at the hot water tapping points.

7 Save changes

All changes must always be confirmed



1 Temperature Mode

2 Naming the Circulation Pump Controller

3 Status display

4 Current return temperature

This field shows how high the current return temperature is.

5 Switch-on temperature

If the return temperature falls below this value, the controller switches on the circulation pump.

6 Switch-off temperature

If the return temperature reaches the set switch-off temperature, the controller switches off the circulation pump.

When the return temperature falls below the activation temperature again, the process is repeated.

7 Save changes

All changes must always be confirmed

Technical data

Technical data - Magelan Circulation Pump Controller

Ambient temperature	0 ~ 50°C
Mains voltage	230V AC / 50/60Hz
Dimension	L86 x W86 x H44 (mm)
Wireless frequency	2.4GHz, ISM band, 16 channels
Protection class	IP 30
RF-Test	RED 2014/53/EU
CE	Available
RoHs	Available
Type of antenna	PCB antenna
Probe length	2 meter

Safety instructions

Attention! Important Note:

Installation and assembly of electrical devices may only be carried out by a qualified electrician. Failure to observe the assembly and installation instructions can result in fire or other dangers.

Declaration of conformity

Hereby blossom-ic GmbH & Co. KG hereby declares that the following product: Magelan Circulation Pump Controller ZR-3997 is in conformity with the essential requirements and other relevant provisions of Directive 2014/53/EU. The complete declaration of conformity can be found at the following address: [www.blossomic.de/downloads Declaration of conformity](http://www.blossomic.de/downloads/Declaration%20of%20conformity).

Warning notice

The Circulation Pump Controller is not suitable for children and must not be used as a toy. Store and dispose of packaging materials in a child-proof manner. Do not disassemble the Circulation Pump Controller, as it does not contain any user-serviceable parts. If defects occur, please return the Circulation Pump Controller to the dealer. This appliance may be used by children over 8 years of age and by persons with reduced physical, Sensory or mental abilities or lack of experience and knowledge, provided they have been supervised or instructed in the safe use of the appliance and understand the dangers involved. Children must not play with the device. Cleaning and user maintenance must not be performed by children without supervision.

Attention

Please observe the drinking water regulations with regard to legionella protection!

Intended Use

The Circulation Pump Controller is only suitable for controlling circulation pumps.



blossom-ic

 intelligent controls

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