



# Backup controller kit RENA for rainwater storage tank



### Benefits

- Microprocessor-controlled mains water backup to rainwater tanks with connected domestic water station
- Dry run protection and safety shutdown
- 2 program times for normal or increased water consumption
- Easy handling - fast installation

### Application

For monitoring rainwater tanks for sufficient water level. The backup controller RENA, consisting of control unit RENA, probe and solenoid valve, is designed for fully automatic supply of drinking water to rainwater tanks with connected water station. Continuous operation without frequent on and off cycles, two selectable program times for normal or increased water consumption, with leak monitoring, dry run protection and protection against deposits.

### Versions

	Part no.
Backup controller kit RENA	53100
Control unit RENA	53101
Level probe RENA with 15 m probe cable	53102
Level probe RENA with 25 m probe cable	53122
Solenoid valve G½ x G¾	53134

Blue part no. = in-stock items

### Description

The complete backup controller kit consists of a control unit, indicators and controls and a socket with PE contact for connection of the water station, a probe for the water tank and a solenoid valve for connection to the water tap. If, as a result of insufficient precipitation or considerable water withdrawal, the level in the tank falls below a specific value, the solenoid valve is opened and fresh water from the drinking water mains system is supplied. 2 program times are selectable, depending on the water consumption (e.g. garden watering, car wash). In order to avoid the formation of deposits at the solenoid valve, the valve is opened and closed for one second three times in a row once per week. RENA features a safety shut-off system that responds to leaks in the tank or the pipes.



## Technical specifications

### Functions

Fully automatic backup controller for supplying drinking water to rainwater tanks with connected water station, with leak monitoring, dry run protection and protection against deposits.

### Operating temperature range

Ambient: 0/40 °C

Storage: -10/+60 °C

### Isolated, earthed power outlet

AC 230 V

Fuse: T 10 A

### Supply voltage

AC 230 V

### Nominal power

Max. 5 VA

### Housing

Wall mounting housing made of impact-resistant plastic (ABS)

W x H x D: 100 x 188 x 65 mm

Weight: 0.5 kg

Degree of protection: IP 20 (EN 60529)

### Solenoid valve

For drinking water and rainwater

W x H x D: 95 x 80 x 100 mm

Connection: G $\frac{1}{2}$  x G $\frac{3}{4}$

Flow rate: Max. 50 l/min

Flow rate: Inlet pressure 4 bar, open outlet

Supply voltage: AC 230 V

Mains cable: 3 m

Degree of protection: IP 65 (EN 60529)

### Level probe

For drinking water and rainwater

L x ø: 87 x 30 mm

Supply voltage: AC 6 V

### Scope of delivery

- Control unit RENA
- Level probe RENA with 15 m probe cable
- Solenoid valve (G $\frac{1}{2}$  x G $\frac{3}{4}$ ) with 3 m mains cable
- Operating instructions

## Detail views

