

Dispenser DR12

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DR12 is the device used to dispense certain amount of water. The start of dosing begins by pressing the green button. The device opens the integrated valve and measures the amount of passing water. Upon reaching the assignment the valve closes and stops the water. DR12 supports 30 pre-stored quantities (programs) for dosing.

Dispenser DR12 has the following characteristics:

☞ **possibility of easy selection of recipe**

Just by pressing the up and down arrows is selected one of the 30 preset dosages.

☞ **easy setting**

Few presses of keys are sufficient to set and automatically store the desired quantity of the water. The parameters are stored even if switching off the device.

☞ **separate indication for the volume and programm**

On two separate rows are displayed preset volume and programm number.

☞ **easy starting**

The start of dosing takes place by pressing a single button, which facilitates the use of the device by the staff. After dosing, the device is ready to immediately perform a new dosing.

The device DR12 is used in bakeries, pastry shops etc.

TECHNICAL SPECIFICATIONS.

Operating conditions.

operating temperature	0 - 50°C
protection	IP54 on the front panel IP40 on the rest
max inlet temperature	90°C

Storage conditions.

storage temperature	-20 - 80°C
relative humidity	0 - 95 % RH noncondensing

Dimensions.

Dimensions (w, h, l)	312mm x 240mm x 130 mm
Installation	on the wall trough 4 hole on enclosure

Power supply.

Range	230 VAC +10/-15%
Consumption	10 VA

Accuracy.

Error in dosing	±1% max (class B)
Resolution	1l

Water supply fixtures.

Dimensions	½" for incoming water and water outlet
Flow	40l/min nom

Settings.

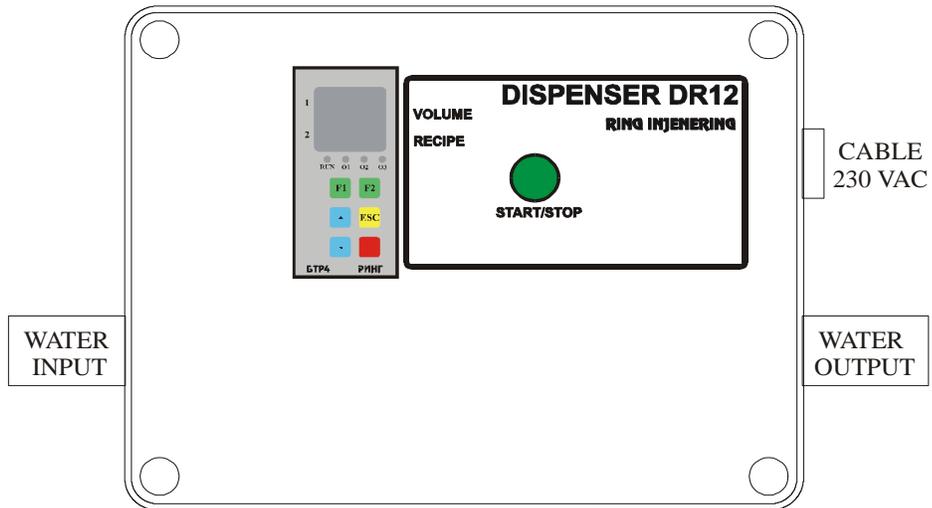
Number of programs	30
Volume	0- 9999 l

Front panel.

indication	2 rows 4- digit 7-segment
buttons	Six buttons
LEDs	4 pc.
Start/Stop button	Separate d22mm

CONNECTING TO THE WATER AND ELECTRICITY GRID.

Water connection.



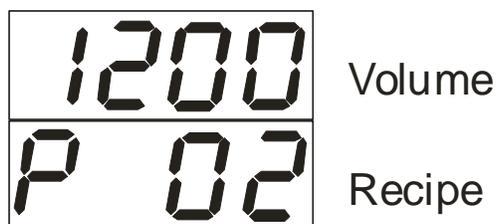
Connection to the power supply.

The dispenser is connected to the network through a single-phase power cable.

OPERATING INSTRUCTIONS.

Indication of the device.

The dispenser displayed on top row the set quantity water for dosing in liters, and on the bottom line - number of the selected recipe.



Setting.

For setting of dispensing of a water the following steps are performed:

1. Select the number of the recipe that must be performed.

By using the key or is selects the number of the desired recipe.

The set recipe is displayed on the lower row of display.

2. Sets the quantity of water to be dispensed.

Press the button for 2 seconds, whereby on the top row begins to flash the reference for dosing in liters.

By using the keys or is set the desired volume, and then press the button to save settings.

Dispensing.

1. Select the desired recipe.

With the help of the buttons or is selected number of the desired recipe.

The number of recipe appears on the bottom line indicators. For quick access with the **F1** key is selected first recipe, with **F2** - 2nd.

2. Start of dosing.

The process of dosage starts by pressing **START / STOP**. During the dosing **RUN** LED lit continuously. The upper indicator displays the remaining quantity for dosing.

Stop dispensing.

The process of dosing ends automatically after discharge of preset amounts of water. If during dosing press again **START / STOP** button, the process is terminated manually (**RUN** LED off).

LEDs:

diode	color	Значение
RUN	green	Illuminate when dosing valve is on.
O1	green	Flashes during dosing (signal from volume sensor).
O2	green	Flashes when transmitting data to a remote display (option).
O3	red	Lights up if water leaks after dosing.

WARNINGS.

Install DR12 according to the recommendations in this document. If DR12 operates at a temperature, humidity, dust or gas environment other than those specified in the technical characteristics, it is possible to obtain electrical shock, injury or fire.

Install DR12 away from sources of static electricity. Otherwise you may receive a failure or malfunction of the device.

Unplug the power cord before installing or removing any part, module or panel connector. Otherwise, it is possible to obtain electric shock or damage to the DR12 and related equipment.

Turn off the power immediately if the device emits smoke or a burning smell. Operation of the device in such cases could lead to fire or electric shock. The same can also occur when attempting to repair by an unauthorized person.

Do not apply excessive force when connecting to the water supply network, to avoid damage the internal connections and fittings.

Refer to "Ring Engineering" for repair in case of failure of the device. Company "Ring Engineering" does not guarantee correct operation and safety at repairs done by unauthorized persons.