

Dispenser- mixer DT25R

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DT25R is the device used to produce certain amount of water to a certain temperature. This is accomplished by mixing of hot and cold water in a separate vessel, installed downstream of the device. DT25R calculates how many liters of hot and cold water must be mixed together in order to perform the job. Water inlet and outlet are connected to the dispenser with established water supply installation.

Dispenser-mixer DT25R has the following characteristics:

☞ ***possibility of easy selection of recipe***

Only by turning the rotary knob is possible to select one of several preset amount and temperature

☞ ***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.

☞ ***easy setting***

The presence of rotary switch facilitates setup and automatic storage of the desired quantity and temperature. The parameters are stored even if switching off the device.

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

On two separate rows are displayed preset volume and temperature.

☞ ***precise execution of the assignment***

The device performs several successive mixing of hot and cold water, so as to obtain an accurate execution of the assignment.

The device DT 25 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
water temperature	90°C max

Storage conditions.

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

Dimensions.

Dimensions (ш, в, д)	400mm x 380mm x 125 mm
Installation	on the wall trough 4 hole on enclosure

Power supply.

range	230 VAC +10/-15%
consumption	20 VA

Accuracy.

When measuring the temperature	±1°C max
When measuring the volume	±1l max

Water supply fixtures.

dimensions	½" for incoming hot and cold water and water outlet
flow	40 l/min nom

Settings.

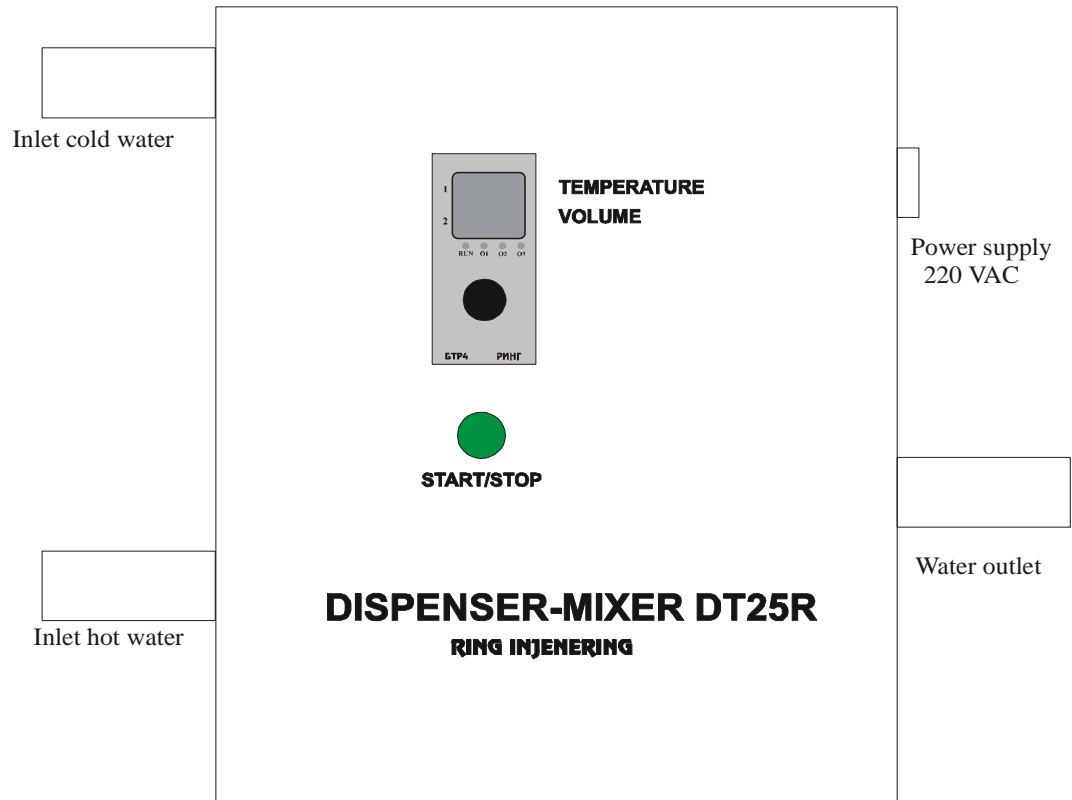
temperature	0- 99°C
volume	0- 99 l

Front panel.

indication	2 rows 4- digit 7-segment
buttons	ratary switch
LEDs	4 pc.
Start/Stop button	separate φ22mm

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.

Choosing a recipe.

By turning the switch on the top line indicators (in green), is set the desired recipe. In red on the top line displays the set temperature, and on the bottom line - the amount. So the displayed recipe is ready for dosing

Setting of temperature and quantity.

To adjust the amount of water and the temperature of a recipe perform the following actions:

- Press and hold the key 5sec., which goes into edit mode of parameters.
- Turn the key until the appearance on the bottom row of the display the temperature of the corresponding recipe.
- Press the button and on the bottom line starts flashing the temperature.
- By turning the button is adjusted the desired value.
- Press the button to save the value.
- Repeat the same procedure for setting the amount of dosage.
- To exit the edit mode, press and hold the key for 5 seconds

Dispensing.

Dosing process starts by pressing the START button. Dosing can be done again and again with last set assignments for temperature and quantity.

The dispenser makes first a trial run of hot and cold water to measure their temperature. First run cold water in the amount specified in the parameter **L_PR** (liters-probe). The upper display indicates the temperature of the water and the bottom - the remaining amount of the sample. After the expiration of the specified liters cold water waiting time set in parameter **t_PR** (trial time). The temperature of cold water is stored at the end of that time. The same is repeated for the hot water. Then the device calculates and appears on the display quantities of cold and hot water, which will be placed on the next stage of the dosing. If the result of the calculations prove that it can not be achieved the set temperature for the specified amount, on this step the process is terminated and flashes LED **O3** - indicate an error. If it can be obtained the set amount at the set temperature, the DT25R continues dosing process. The device releases consecutively hot and cold water in two stages, as the last one stage is used for correction (if needed) of previously calculated quantities. The top line of the display shows the temperature. On the bottom line of display shows the remaining liters for dosing.

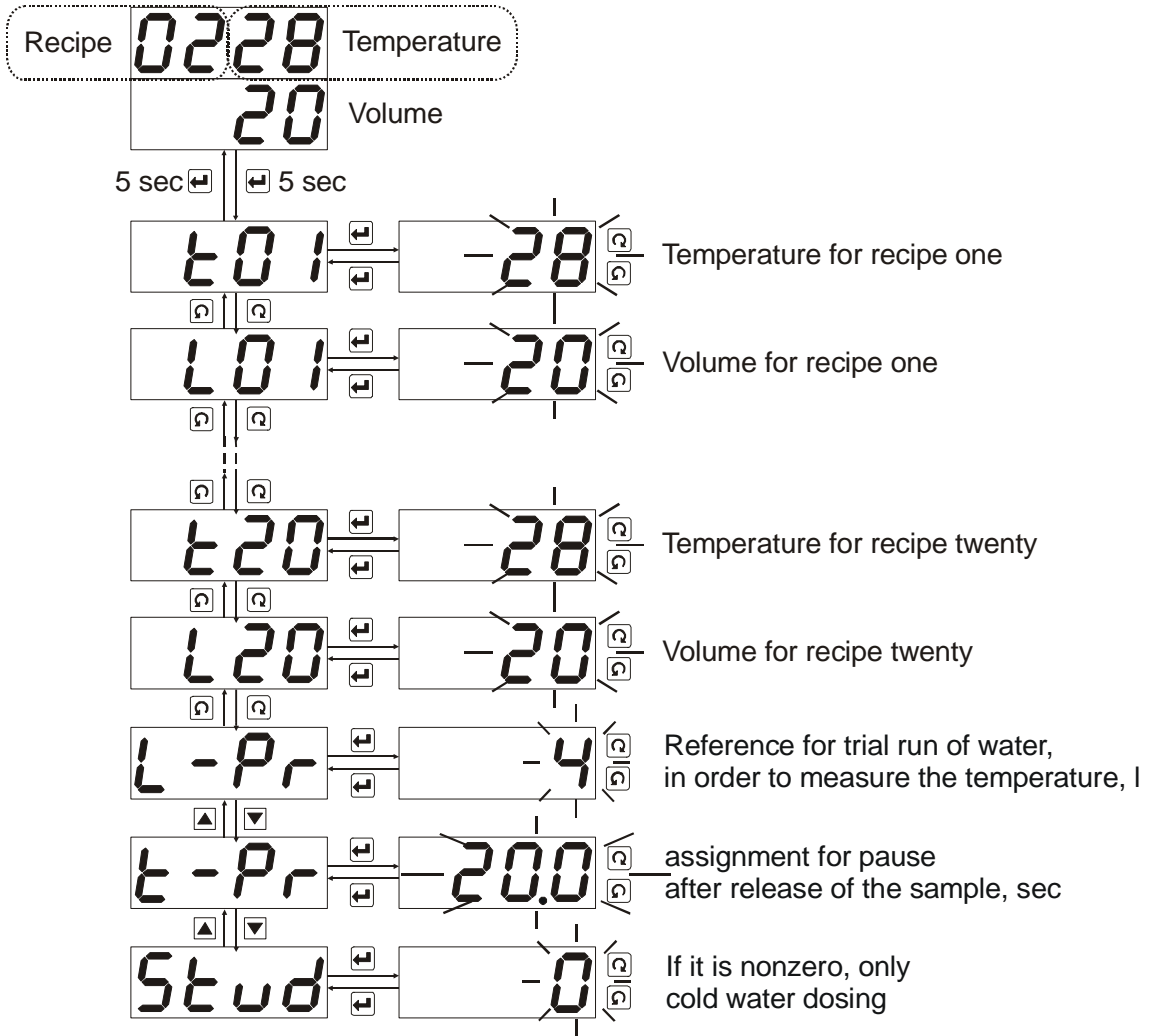
Further provides the following parameters:

L_PR – liters for initial sample. This quantity is necessary to drain any water from the water supply network, which has a different temperature from the incoming water afterwards. Here we recommend setting a number from 1 to 10.




t_PR – waiting time after release of the test liters. After this time account the temperature respectively of the hot and cold water. Time is in tenths of a second and it is necessary for the accurate measurement and calculation of required quantities remaining hot and cold water. It is recommended to be about 10 seconds.

Stud – this parameter adjusts DT25R to operate as dispenser for cold water i.e. by pressing the START button is released only set amount of liters from cold water, not mixed with warm water. This is done when this parameter is different from zero. When the DT25R is in this mode, the **RUN** LED is not lit.

MENUS



LEGEND

-  Key rotation clockwise
-  Key rotation counterclockwise
-  Key pressing

WARNINGS.

Install DT25R according to the recommendations in this document. If DT25R 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 DT25R 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 DT25R 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.