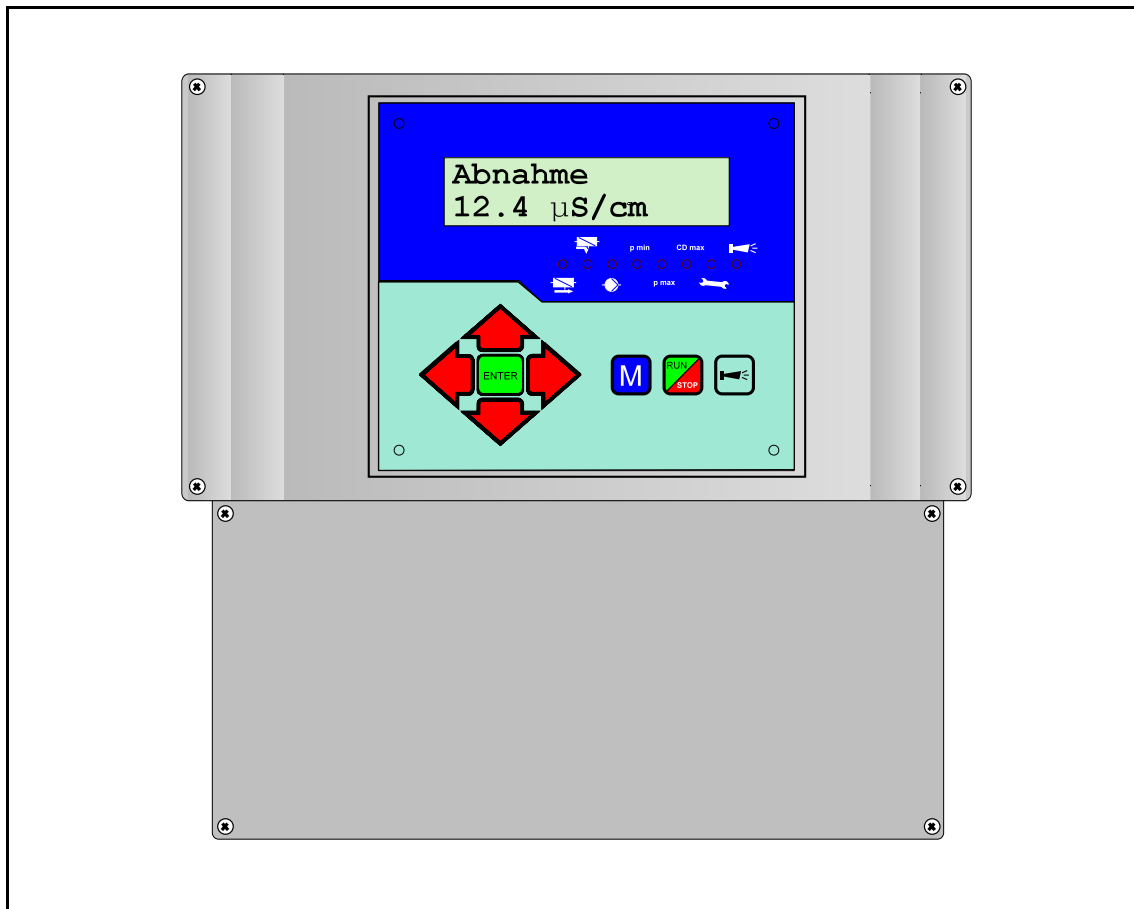




Softmaster[®] ROE 3 S1/S2

Special Versions S1 and S2

Microprocessor controllers for reverse osmosis plants



Additions to the operating instructions (special versions S1/S2)

General notes

Introduction

This addition to the operating instructions only describes the points which differ from the standard version regarding functionality, operating and programming of the reverse osmosis controller Softmaster ROE3 S1/S2.

Caution!

In order to ensure correct change-over to a newer program version, it is essential to carry out factory-programming. Actuate the cursor button "Down" when switching on the controller. However, this will result in your previously entered individual data being deleted.

Calling the special version

Simultaneously actuate the "M" and "ENTER" button when switching on the controller. Use the "Up" and "Down" button to select the version, and confirm the entry via the "Enter" button. This accepts the selection and the menu is terminated.

Operating displays

only S1:

Flush	120s	Only flush program "Flush after production": Display in seconds (This example: Residual time 120 seconds)
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Description of the connections

Description of the relay outputs

PV output valve (permeate valve)

S1:

During production and STANDBY: This valve is open as long as the water conductivity is below the set limit value "LV Permeate Max". With version S1 the valve closes 10 seconds after this limit value has been exceeded and opens as soon as the value falls below the set limit value.

PR1 additional program 1

S1:

The additional program 1 as bypass valve (return)

During production: With version S1 the valve opens as soon as the limit value "LV Permeate Max" has been exceeded and closes 10 seconds after the value falls below this set limit value.

S2:

With the version S2 the output PR1 switches at the start of PRODUCTION 10 seconds after the pump/s PU1/PU2 has/have been switched on. After production the contact drops out.

Functioning

Flush duration

Only S1:

The duration of flushing after production is displayed in seconds: 0-999s.

Please note that the pressure pump(s) only start(s) after a 10-second delay. The minimum flush duration should, therefore, be greater than this time period.

Manual flushing from the SERVICE menu is also conducted in seconds.

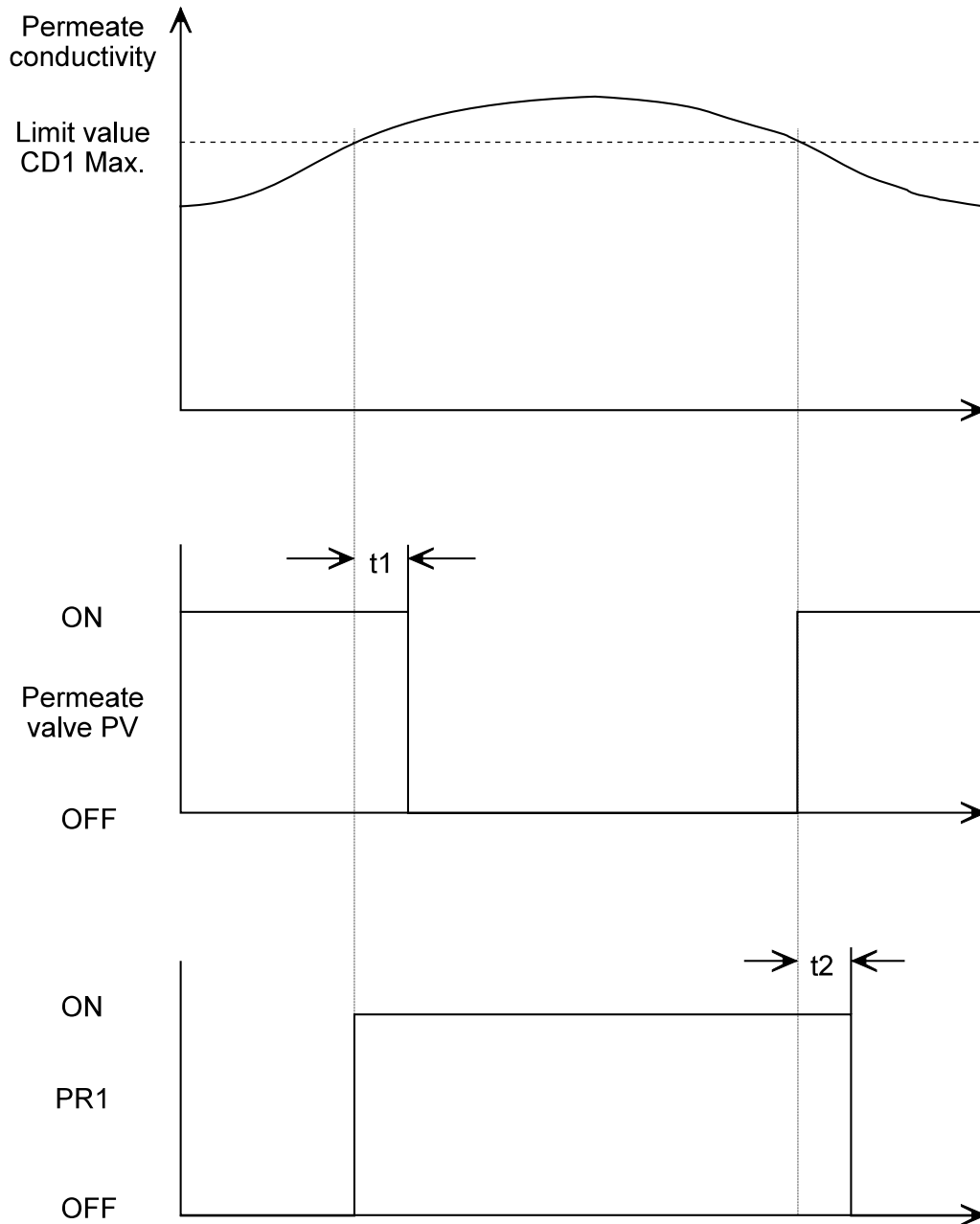
Software status

The current software status can be called here, e.g.:
(depending on programming: 86M1xx for S1, 86M2xx for S2)

SOFTWARESTATUS
86M109 14.11.05

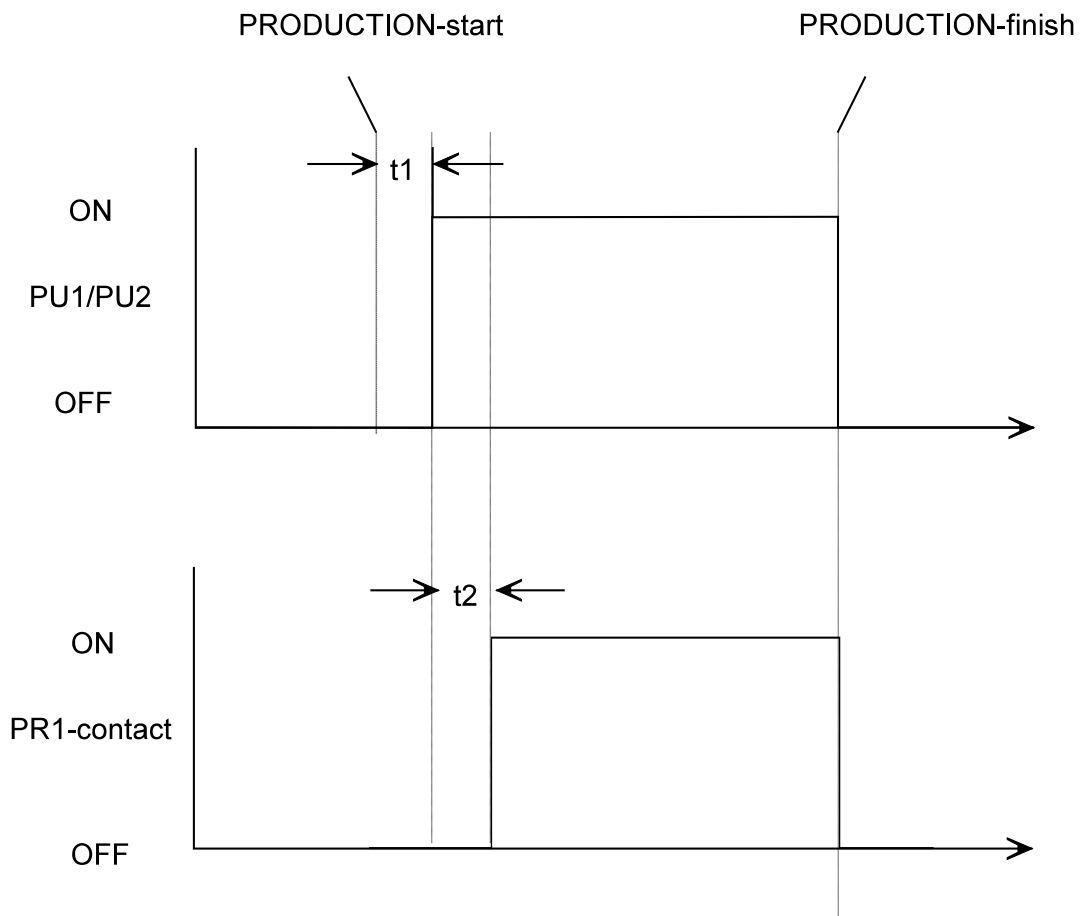
Softmaster ROE3 - Special Version S1

during production and STANDBY:



Delays:
t1 and t2 are permanently set to 10 seconds

Softmaster ROE3 - Special Version S2
PR1 during production



Delays:
 t_1 see description, t_2 is permanently set to 10 seconds