

Short description 3508

Regulator overview



Regulator overview			
Pos.	Designation	Pos.	Designation
1.	Actual temperature	2.	Set value / Correcting variable
3.	Correcting variable	4.	Automatic/Manual key
5.	Run/Hold key	6.	Parameter key
7.	Picture key	8.	Minus key
9.	Plus key		

1.) Operating mode selection (at multi zone plant only master)

a) Set point adjustment (Automatic mode)

Press the Automatic/Manual key until the setpoint appears without %.

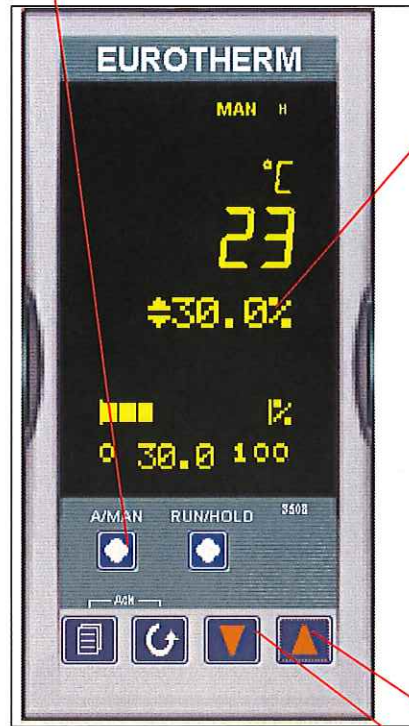


Now you can set a temperature via the minus / plus key.

Info: Keep in mind the power on switch.

b) Manipulated variable (Manual mode)

Press the Automatic/Manual key until the setpoint appears with %.



Now you can set the manipulated variable via the minus / plus key.

Info: Keep in mind the power on switch.

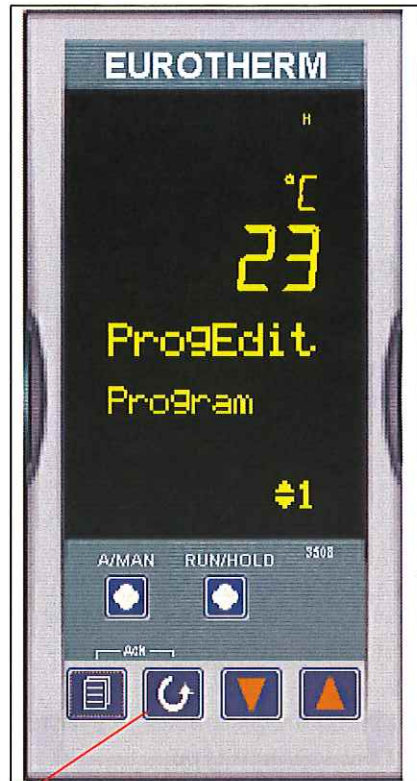
2.) Heating with program

Press the Automatic/Manual key until the setpoint appears without %.




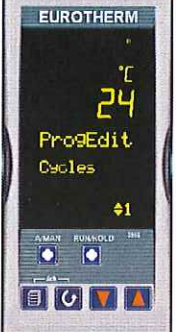

Press Picture key until ProgEdit appears.

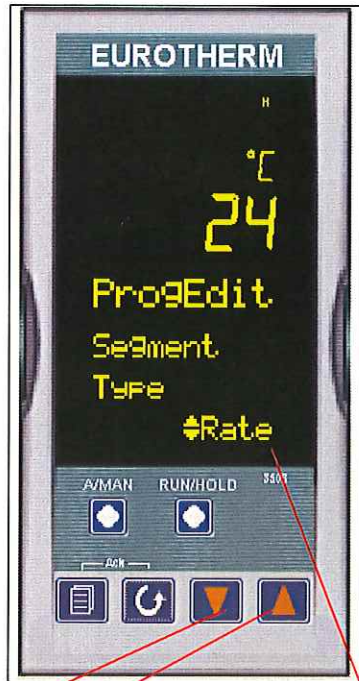




With the parameter key you come about the following settings to the segment selection.

Segment Used	Counter of used segments.	
Holdback Value	Holdback value (look full deskription) This value can modify via the plus / minus key. Factory settings = 0	

<p>Ramp Units</p>	<p>Ramp units (sec. , min. , or houer). This value can modify via the plus / minus key. Factory settings = Hour</p>	 <p>The image shows the EUROTHERM control panel with the display showing '24' and 'Hour' under the 'Ramp Units' menu.</p>
<p>Cycles</p>	<p>Program cycles (Normaly 1 cycle). This value can modify via the plus / minus key. Factory settings = 1</p>	 <p>The image shows the EUROTHERM control panel with the display showing '1' and 'Cycles' under the 'Cycles' menu.</p>
<p>Segment</p>	<p>By means of the plus / minus key enter the segment number witch you want to modify. After that press the parameter key again to modify the segment type.</p>	 <p>The image shows the EUROTHERM control panel with the display showing '1' and 'Program' under the 'Program' menu.</p>



By means of the minus / plus key you can set the segment type.

Thereafter press the parameter key to set the required parameter by means of the plus / minus key

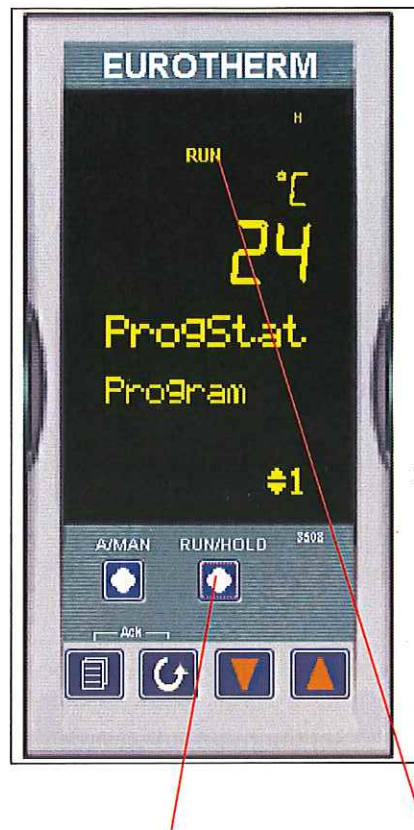
The following types to be at disposal.

Segmenttyp	Designation	Parameter
Rate	Gradient until setpoint	Gradient [°/h] Setpoint [°C]
Time	Time to setpoint	Time [h] Setpoint [°C]
Dwell	Holding time	Holding time [h]
Step	Step to Setpoint	Setpoint [°C]
Wait	Waiting	
Call	Go to program	Program number
Go Back	Go to segment	Segment number
End	Ende (Program end)	

After each further touch of the parameter key the next input screen open.
At the last segment set „End“

Via the picture key you can return to the main screen.

3.) Program start



At automatic mode press 2x the RUN/HOLD key until Run appears at the display.
The program is running.

Via the picture key you can return to the main screen.

Info: Keep in mind the power on switch.

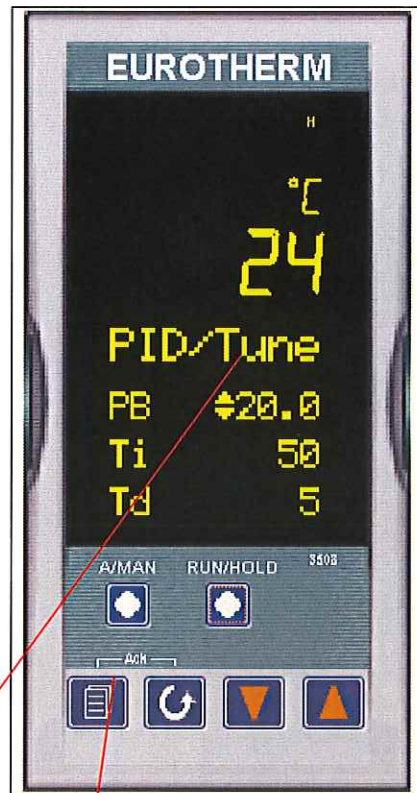
4.) Program Stop

Press the RUN/HOLD key for 2 sec. The lamp "Run" disappears.

Attention: The regulator control now to the setpoint from automatic mode.

Via the picture key you can return to the main screen.

5.) Control parameter / self optimization



Go to PID/Tune screen via picture key. Here you can modify the control parameters via the plus / minus key.

By means of the parameter key you change the line.

At the last line you can start the selfoptimization via plus / minus key.

The selfoptimization take a long time (5-15min). After it the new control parameters will accept Automaticly.

Via the picture key you can return to the main screen.

7.) Alarm

Sensorbreak- and Over temperature alarm will displayed at the regularor.



Press the picture- an parameter key together to reset the alarm.

8.) Display parameter slaves (Option mastercomms)

Press Picture key until the required zone appears.



The actual temperature (PV) and the trimm (Trimm) from the zone appears.

100%

100%