

The limiting function for the type series 902 / 93 consists of an additional control circuit with its own measuring input and its own settings (CH2), intervening in the output of the main control circuit. The function mode (min. or max. limitation, effective direction) can be set per menu.

Function:

In the case of 3-point step controllers the relay of one control direction (depending on the presetting) is locked and the relay of the other control direction is activated in increments as soon as the set limit value is exceeded or undergone. This causes the current position of the actuator to be maintained or adjusted so that the limit value is maintained.

In the case of continuous action controllers the higher or lower current control signal, depending on the presetting, is selected from the two control circuits and switched to the output. In this way the control signal of the auxiliary control circuit is given priority as soon as the set limit value is no longer maintained.

Versions:

List No.:

auxiliary control circuit with limiting function
incl. additional universal input Pt100 or standard signal
range depending on type 0..400°C or -200..+800°C resp. adjustable

991g*


version with limitation function only for the second output

991g2*

* alternatively other measuring inputs (type accessories such as main type Pg. 902)

Operation (supplement):

Actual value display:

Short-term display in the bottom display by actuating the -key, continuous display can be configured in the parameter level 2

Setpoint value setting:

Actuate the P-key until "2SP" appears, set the desired value using the arrow keys.

Parameter level1 :

After calling up the parameter level select **CH 2**.
Call up and set the parameters in succession as for CH1.
*Attention: Do not change the setting of parameter **CH 1** for the main control circuit!*

Configuration level:

Factory setting

2out	effective auxiliary control circuit direction direct / inverse (di / in)	in
out	min. / max. limiting function (Lo / Hi)	Lo