

Used in conjunction with controllers with three-point step output, this option allows position indication of the accessed actuator equipped with a feedback potentiometer.

A program for convenient automatic adaptation of the display 0...100% to the electrical values of the respectively available feedback potentiometer in the configuration level, is included:

**Operation:**

*After checking or correcting the actuating time "Y" actuate the P-key, possible several times, until "FG A" appears in the display.*

*Start compensation by pressing the P-key for a prolonged time (longer than 5 sec.), until a flashing "0" appears in the bottom display.*

*(Press the P-key briefly to skip compensation.)*

*Relay 2 ("-") switches ON, actuator moves to starting/closed position,*

*Relay 2 switches OFF, "0" changes to steady display*

*After checking the mechanically correct position, acknowledge the default value 0% with the P-key,*

*"FG E" appearing in the top display for final value compensation,*

*a flashing "100" appears in the bottom display*

*Relay 1 ("+") switches ON, actuator moves to end/open position,*

*Relay 1 switches OFF, "100" changes to steady display*

*After checking the mechanically correct position, confirm the default value 100% with the P-key (subsequently, the system switches to the next configuration)*

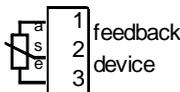
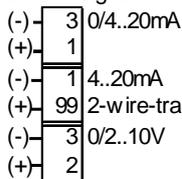
The program also checks whether the output has really caused an alteration of the position of the actuator and the potentiometer:

If identical values are measured at the start and the end, the error message "Err 300" appears.

Measuring input:	List No.:	Measuring/display range
Teletransmitter 0...100 to 0...1000 Ω	99axr	0...100.0 %
Standard signal 0(4)...20mA, 0(2)...10V	99axe	0...100,0 %

**Wiring:** Examples, each for input 1 \*, valid for each delivered controller is the wiring diagram on its casing only

**standard signal**

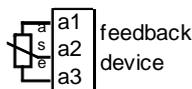
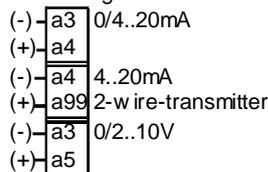


\* Terminal No. per number of existing and/or required inputs:

- 1st analog input: Terminal 1/2/3
- 2nd analog input: Terminal 4/5/6
- 3rd analog input: Terminal 7/8/9
- 4th analog input: Terminal 10/11/12

**alternative:**

**standard signal**



\* Terminal No. per number of existing and/or required inputs:

- 1st analog input: Kl. a1/a2/a3/a4/a5
- 2nd analog input: Kl. a6/a7/a8/a9/a10/a0
- 3rd analog input: Kl. a11/a12/a13/a14/a15
- 4th analog input: Kl. a16/a17/a18/a19/a20