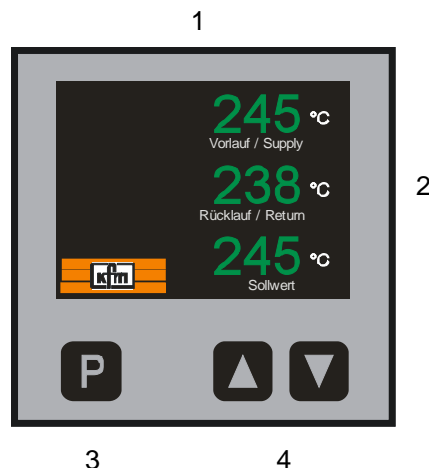


- 1 Colour display
- 2 Displays for setpoint value and actual value (option)
- 3 Key for setpoint- and parameter mode
- 4 Setpoint adjustment



### General:

The units in 96 x 96 panel mounting format are based on the KFM 903 industrial control unit series and allow external setting of one to four setpoints or continuous control outputs and up to 4 three-level signals. Upper and lower limits can be assigned to the setting ranges.

The adjusted setpoint- or control value is shown on the graphical display in the operating status. Depending on the equipment, further displays can be present, for example for actual value remote display.

Accessories from the KFM 903 product range are available as an option.

### Types:

Setpoint generator

Setpoint generator double

Option: 1 x actual value – remote display incl. measuring input Pt100 / stand. signal  
 ditto, but double  
 binary input for alternating activation of 2 channels

### Type

903A200

903A220

99axq

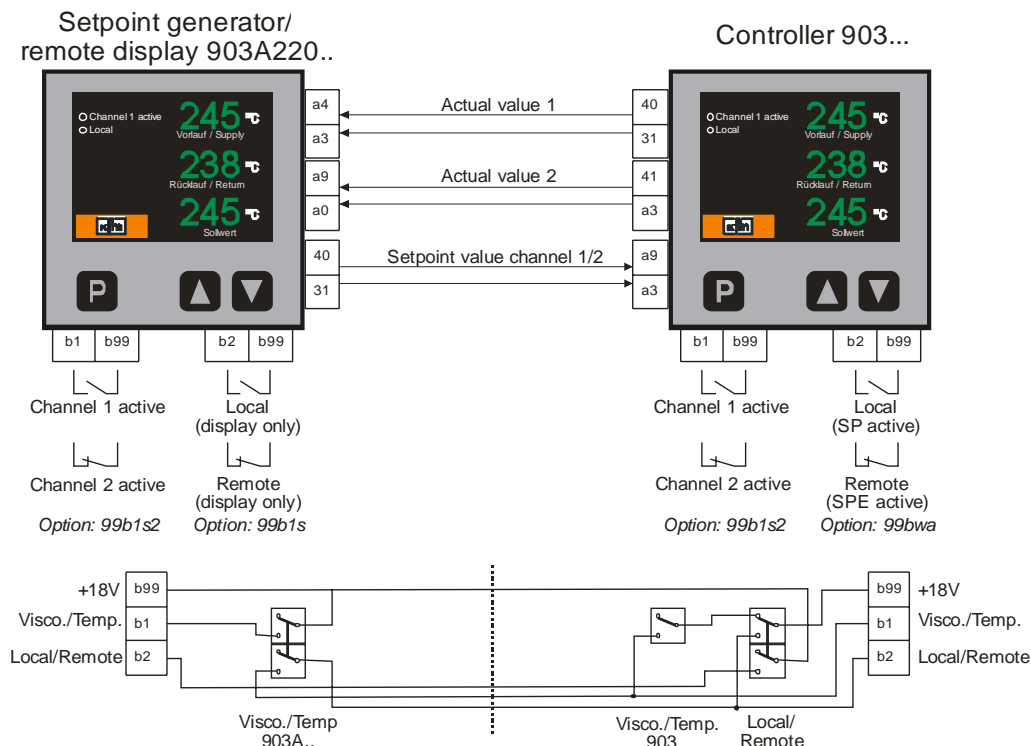
99axqq

99b1s2

See data sheet 903 for device variants and accessories

### Wiring:

Example, connections between **generator** 903A220-99axqq-b1s2-b1s and **controller** 903..-99bwa-og2..

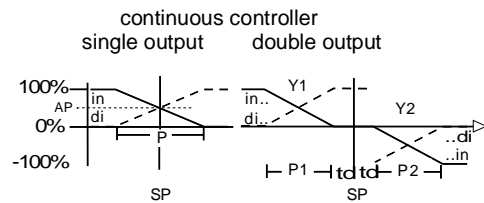
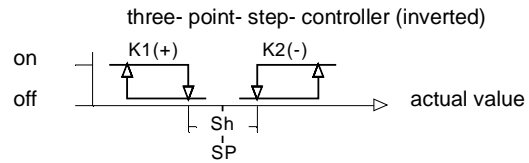
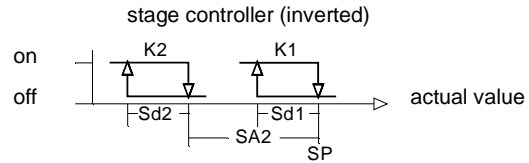


**Characteristics:** (parameters dep. on sub type:)

Adjustment on parameter level, code locked,  
pre adjusted on customer's demand.  
Proportional band Xp: 0,1...999,9 %  
Integral action time Tn: 0,0...999,9 min  
Rate time Tv: 0,0...99,9 min  
Sensitivity of response Xsh: 0,1...1,0 %  
Travel time of the actuator Tm: 6...600 sec  
Switching frequency cy: 2...120 sec  
Function characteristics: direct / inverted  
Switching interval SA (add. contacts): 0..100,0 K  
Switching difference Sd: 0,1...100,0 K

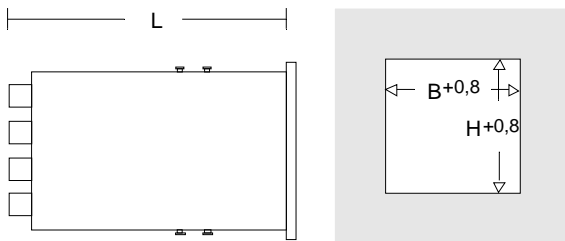
**Additional contact functions:**

As switching interval above and below setpoint or independent adjustable with own setpoint and measuring input or time dependent, switching function adjustable



I92-d4990419

**Installation dimensions:**

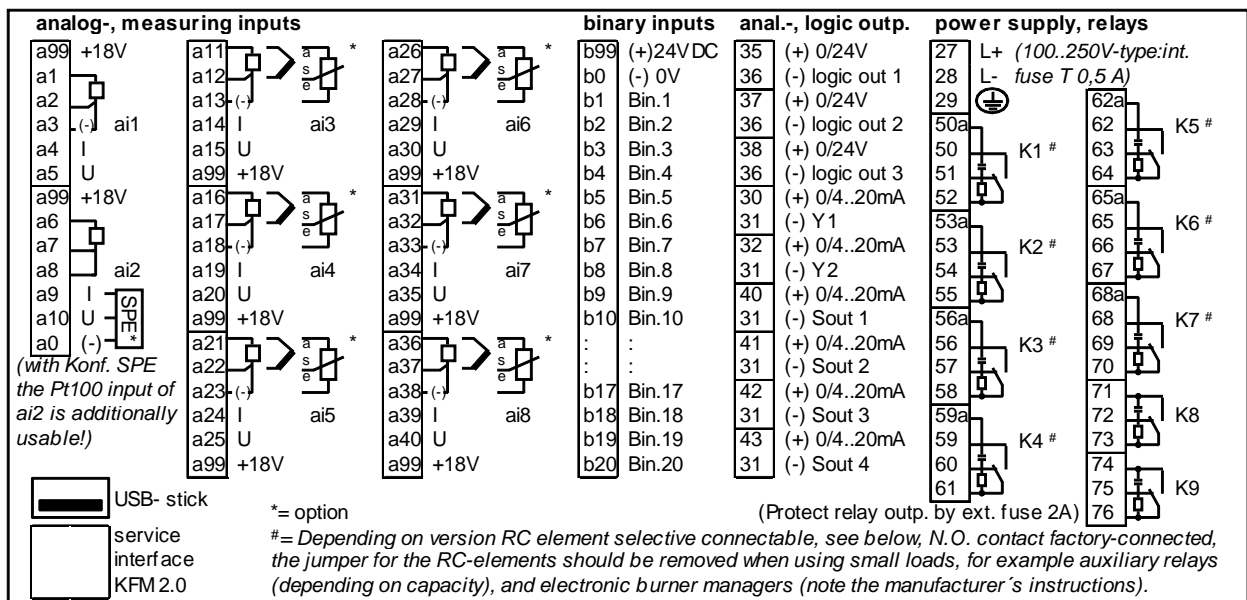


Form 96x96: L=150mm, B=92mm, H=92mm

**Other data:**

Housing for panel mounting, 96 x 96 mm  
Power supply: 100..250 VAC, about 14 VA  
alternative 24 V AC / DC  
Protective system EN 60529: IP54 (terminals IP20)  
Permissible ambient temperature: 0...60 °C  
Nominal temperature: 20 °C  
Climatic category: KWF to EN 60529  
Relative humidity <= 75 % yearly average,  
no condensation  
EMC: referring to EN 61326

**Wiring diagram:** (Example, valid for each delivered controller is the wiring diagram on its casing only)



**Wiring, examples for input 1 and output 1 respectively:**

