# Display and Setting for controller CU-XXX.K4/R :

The device has one input, input type and range by order.
The input range is defined by order, as example 0-10,00bar oder 0,0 – 100,0°C.
The on and off switch point of the two limit contacts can separately set and assigned to input (actual value).
The contact outputs (OUT3-4) are used as 3-step controller output for motor valve.
0-10V output (Out5) can be used as controller output too. The controller parameters
can be set by hidden menu.

## 1.) Standard display view (2-line display):

| | | |
|---|---|---|
| Line 1: text / title: | pressure or temp. | by order |
| Line 2: actual value: | as example: 0,0 -10,0bar or 0,0 – 100,0°C | "     " |
| Line 1 last char: | status of relais output, | |
| | ● = contact open, — = contact close | |

## 2.) View relais output 1-2 on and off switch point:

By pressing the buttons ▲ and ▼ the switch point on and off values can be shown:
K1 C   20,0°C   =   switch on point for relais output 1 20,0°C
K1 O   15,0°C   =   switch off point for relais output 1 15,0°C
With every press on button ▲ or ▼ the next switch point is selected.

## 3.) Setting relais output 1-2 on and off switch point:

The on and off switch point of outputs are selected and changed by buttons ▲ and ▼.
By pressing the ● button on selected menu the display will flash and the value can be changed by
button ▲ and ▼. Press the ● button once more will save the changed value.
The other on and off switch points are changed in the same way.
If the on switch point is lower than the off switch point the output function is inversed (NC contact).
The switch points are changed on same scale as input value

## 4.) Hidden menu for additional controller settings

The 3-step output runtime and controller parameters are shown and changed only on hidden menu.
For entering the hidden menu, press and hold the buttons ▲ und ●, switch on the power supply
and release buttons. The display shows 'setting mode'.
For leave the hidden menu, switch off the power supply for short time.

## 5.) Setting controller paramerts:

On the hidden menu the 3-step output runtime (10 to 500sec., display ‚runtime') and the
controller hysteresis (1,0 to 10,0K, display 'hyst.') can be changed.
For proportional control the output 0-10V (OUT5) is used.
The output range and characteristic set by menu setting 'out min' and 'out max', as example set
the 'out min' value to 2,0V and the 'out max' value to 10,0V will set the output range to 2,0 – 10,0V
If necessary the output can be inversed by exchange the min and max value.


Einstellung / Änderung dieser Werte: Den zu ändernden Wert mit den Tasten▲ und ▼ auf das Display
bringen, die Taste ● drücken, der Wert blinkt nun und kann mit den Tasten ▲ und ▼ neu eingestellt
werden. Zum Abspeichern der Neueinstellungen ist die Taste ● nochmals zu Betätigen.

Option: Interface RS232/RS485, interface software.
For additional technical information see device datasheet.