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USER GUIDE

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Produal

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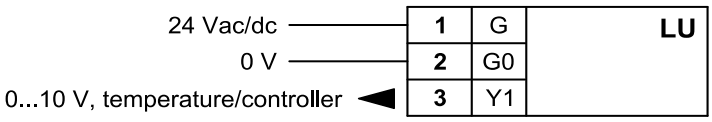
This user guide is for devices with the software version 1.1.7 or newer.

WIRING

Caution

Device wiring and commissioning can only be carried out by qualified professionals. Always make the wirings while the power is switched off.

The device should be fitted cable entry downwards, so that moisture and water will get out of the housing freely.



SELECTING THE MEASURING RANGE

Measuring range can be selected with the jumpers S1 and S2.

0…+50 °C	0…+100°C	-50…+50 °C	-50…+150°C
S1 S2	S1 S2	S1 S2	S1 S2

Corresponding signal values at different measurement value range are:

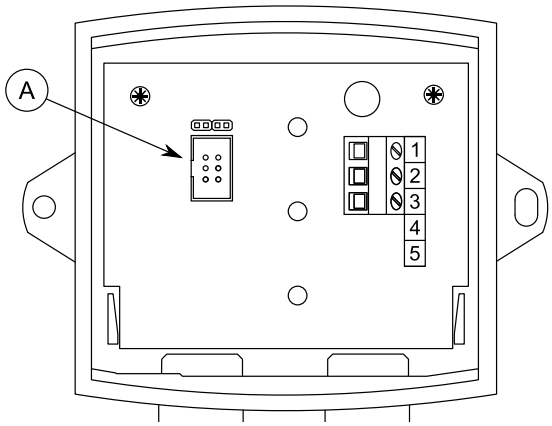
0…+50 °C	0…+100 °C	-50…+50 °C	-50…+150 °C	Signal
0 °C	0 °C	-50 °C	-50 °C	0 V
25 °C	50 °C	0 °C	50 °C	5 V
50 °C	100 °C	50 °C	150 °C	10 V

ML-SER TOOL

With ML-SER tool you can change the device settings and perform a one-point field calibration.

Connecting ML-SER tool

1. Remove the cover.
2. Disconnect the display cable (-N models).
3. Connect the ML-SER tool cable to the display connector.



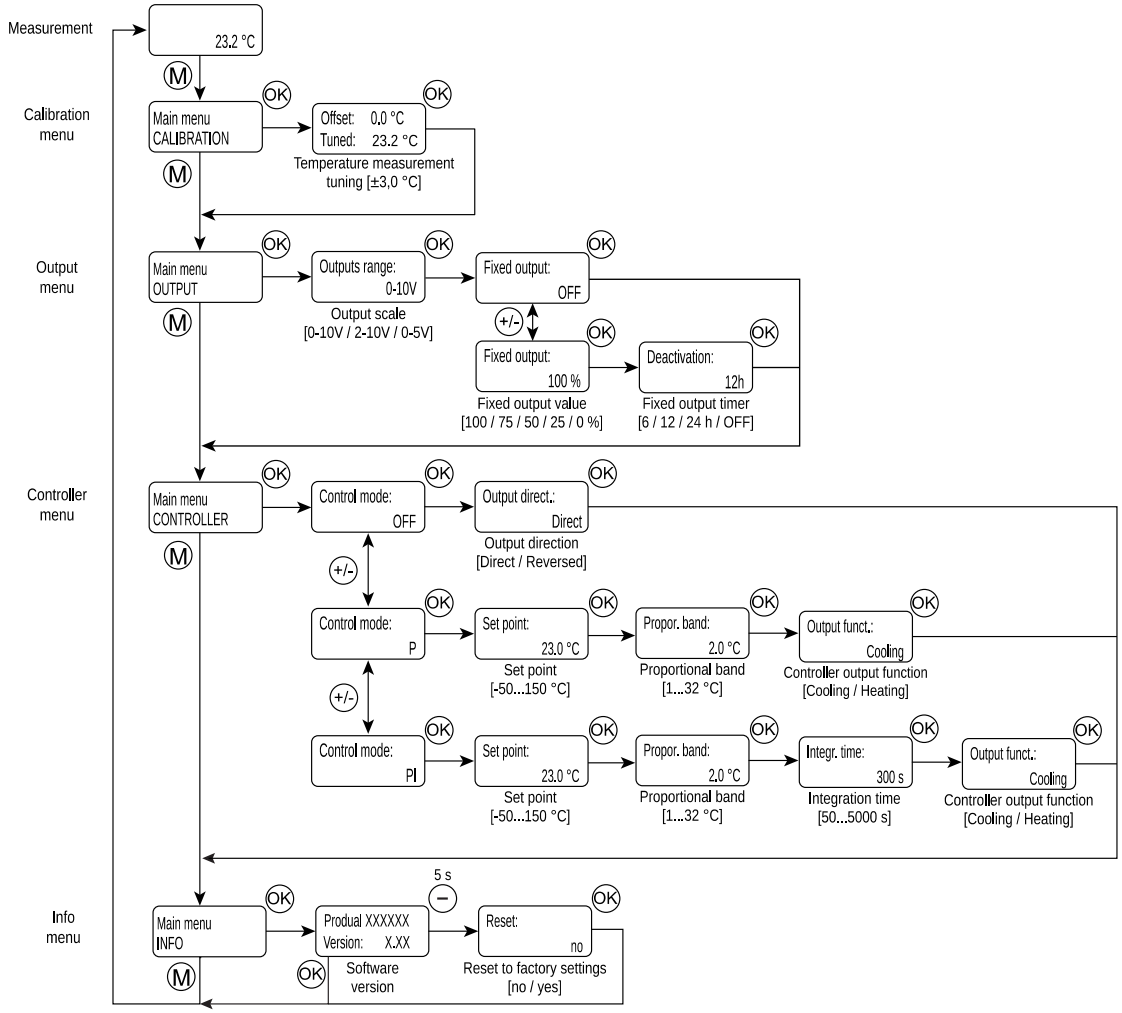
A. Display connector

Information is subject to change without prior notice.

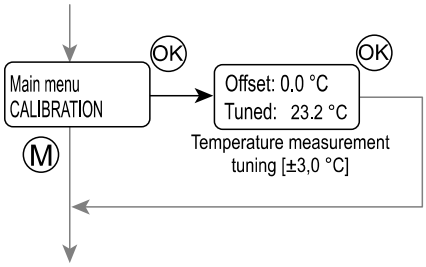
ML-SER menu

The transmitter settings can be changed by using the ML-SER tool. You can proceed in the menu by pressing the M and OK buttons. The values can be changed with the ”+” and “–“ buttons. The value is accepted with the OK button. The following menu structure contains the factory settings.

NOTE: Settings are saved when returning to main menu.



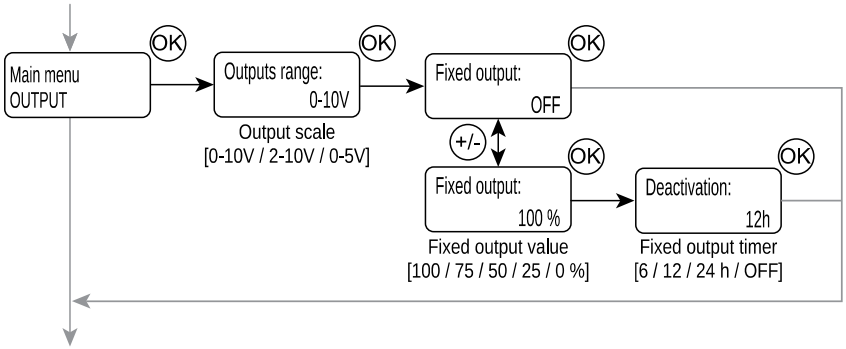
Calibration menu



The temperature measurement can be tuned through the calibration menu. The temperature value can be adjusted by 0,1 °C steps. ML-SER tool display shows the tuned value.

Information is subject to change without prior notice.

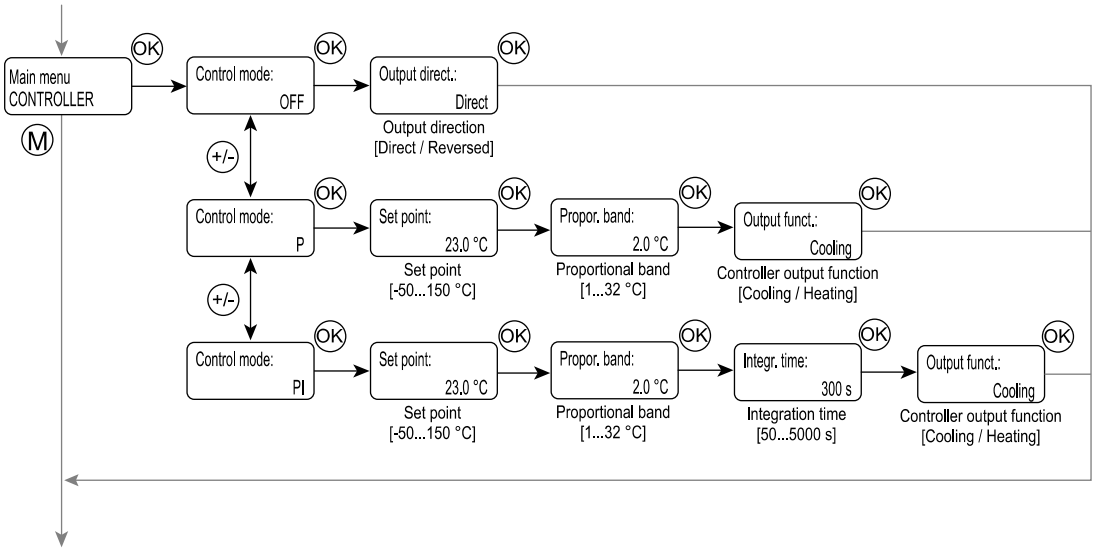
Output menu



You can change the output scaling through the output menu. Also, the fixed output value and duration can be selected through the menu.

NOTE: If you set the *Deactivation* time to “OFF”, the output stays on the fixed value until you deactivate the fixed output manually.

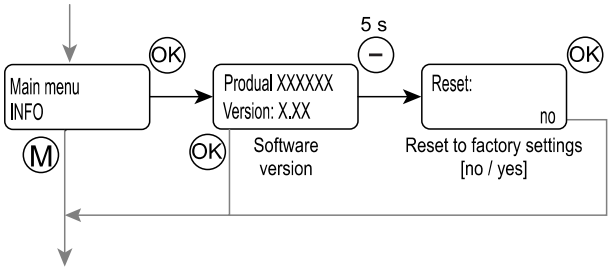
Controller menu



In controller menu the temperature output can be changed to controller output. You can also change the controller settings in the menu.

When the controller is not used the output direction can be selected via the controller menu.

Info menu



The info menu can be used for checking the software version and resetting to the factory settings.

Resetting to the factory settings

1. Press the “-“ button for five seconds in the *Software version* display.
2. Change the resetting dialog answer to “yes”.
3. Press OK button.

   The factory settings are now reset.

Information is subject to change without prior notice.