



Local display unit LLU-400 - operating instructions

1. NOTE

Read these operating instructions before unpacking and initial operation, and follow them carefully. The devices should only be used, serviced, and repaired by persons who are familiar with operating instructions and with valid regulations for safety and accident prevention.

2. SPECIFIC APPLICATION

The model LLU-400 is a universal local display suitable for use with various transmitters. The transmitter must be fitted with an analog output and a connector in accordance with DIN 43 650. The plug-on display is simply plugged in between connector plug and socket; it is then ready for operation. Having removed the cover, scaling, the position of the decimal point and damping may be set by two keys.

3. INSTRUMENT INSPECTION

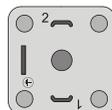
The devices are inspected before they are sent out; they are dispatched in perfect working order. In case of any visible damage of the device, we recommend to examine the delivery packing carefully. Then inform the forwarding agency in the event of a claim.

4. MECHANICAL CONNECTION

The LLU-400 is simply plugged in between connector plug and socket; it is then ready for operation. The fixing screw must be replaced with the longer screw that is a part of the delivery scope. The inner display can be rotated in 90° angle steps.

5. ELECTRIC CONNECTION

Connect the LLU as shown in the wiring diagram.



6. SETTING

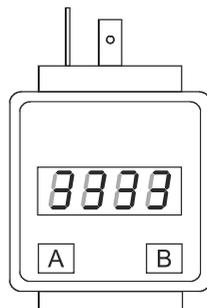
To make settings first loose the four screws and remove the cover lid.

Then appears two buttons: A and B (see picture).

A ⇒ Down menu select

B ⇒ Up menu select

A+ B ⇒ Select menu item for setting or confirmation the setting



6.1 DECIMAL POINT

Press button B until **d P** is displayed

⇒ press A + B to select the menu item for setting

⇒ A or B for down or up move

⇒ A + B to confirm the setting and return to menu (“dP” appears)

- - - -
- - - -

6.2 ZERO - POINT (value to be displayed for 4 mA)

Press button B until **Z P 4** is displayed

⇒ press A + B to select the menu item

⇒ A or B for down or up move of the value

⇒ A+B to confirm and return to menu (“ZP” appears)

0.0 0

for example 0.00 liter

6.3 SPAN (value to be displayed for 20 mA)

Press button B until **E P 2 0** is displayed

⇒ press A + B to select the menu item for setting

⇒ A or B for down or up move of the value - for example

⇒ A+B to confirm and return to menu (“EP” appears)

0.0 0
6 0.0 0 0

60.00 liters

6.4 DAMPING

Press button B until **F I L t** is displayed

⇒ press A + B to select the menu item for setting

(min. = 0.3s; max. = 20.0 s)

⇒ A or B for down or up move of the damping value in seconds

⇒ A+B to confirm and return to menu (“FILt” appears)

0.3

6.5 OVERRANGE (message if less than 4mA or greater than 20 mA)

Message „LO“ ⇒ overrange or „HI“ ⇒ underflow

Press button B until: **H I L O** is displayed

⇒ press A + B to select the menu item for setting

⇒ A or B to select **o F F** – message disabled or **o n** – message enabled

⇒ A + B to confirm and return to menu (“HILO” appears)

Message “HI” = the current is greater than 20 mA, “LO” = the current is lower than 4 mA

Note: When message “HILO” is disabled, error “Er06” appears when the scale range (-1999...+9999) is exceeded

6.6 RETURN TO MEASURING MODE

Press key A or B one to eight times depending on the selected menu item.