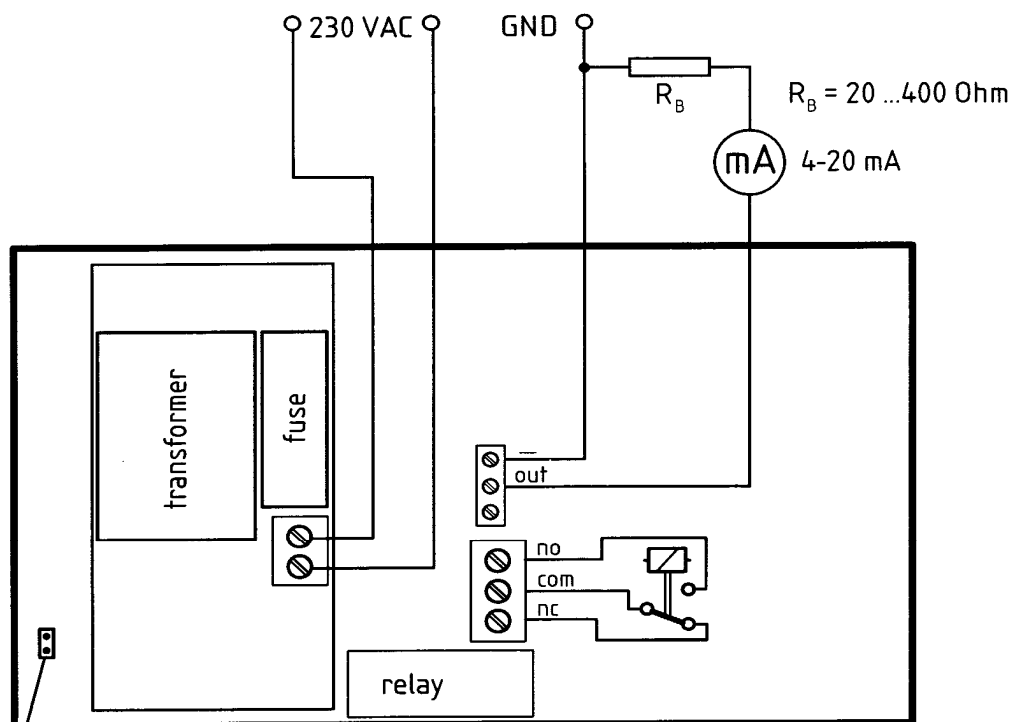


assembly instruction pressure transmitter type DMU4
with switching output, power supply 230 VAC and output 4-20 mA

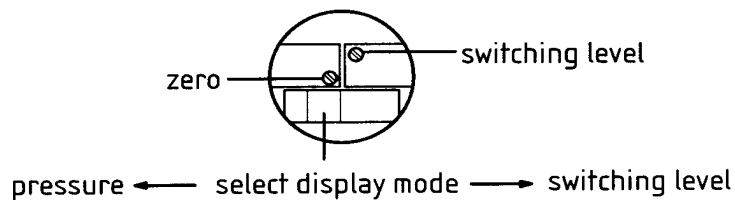
1. Take off the top after unscrew the four bolts.
2. Now you can attach the pressure transmitter by the four screw holes out of the insulated housing area.
3. Pull through the connection cable through the cable-thread joint and connect the stripped cable-ends with the screw-clamps corresponding to fig. 1.

fig. 1



insert jumper to delay switching output

adjust zero and switching level after removing the cover at the front



4. Fix the cable-thread joint and screw the four bolts on the top.

assembly instruction pressure transmitter type DMU 4 & 2

with switching output, power supply 230 VAC and output 4-20 mA

5. Adjustment of zero

Adjustment of zero will be performed by using the potentiometer placed on the left after removing the cover. After turn on the power supply you should wait ca. 15 minutes because thermal effects after power up are finished. The „P+“ and „P-“ tube connectors must be open to ensure the differential pressure is zero exactly. The switch for display- mode must be in the left position to display the differential pressure. This position is preselected by the manufacturer. Turning the adjust screw of the potentiometer to the right increases the zero value and vice versa.

6. Adjustment of switching output

To adjust the threshold value of the switching output please use the potentiometer placed on the right after removing the cover (see fig.1). To display the threshold value the display function selector must be switched to the right position. This position is not preselected by the manufacturer. Turn the adjustment screw of the potentiometer right, the threshold value will be increased and vice versa. The threshold value will be connected to the 4-20 mA- output in this case that means the DMU4 is usable as a signal source to start several external constructions. Note that the hysteresis is ca. 3 % f.s., the switching output turns on if the differential pressure is by hysteresis value higher than the adjusted threshold value and turns off if the pressure is lower than the adjusted threshold value. Additionally the user can delay the time between crossing the threshold value and turn on the switching output. The delay (60 sec. at turn on and 10 sec. to turn off) will be activated by insert the jumper referred fig. 1.

7. The Status-LED

Near the LC-Display in a right position you see the Status-LED. This LED can show two colours (red / green) they have two different functions. If the LED shows green the pressure value is higher than the threshold of the switching output. The switching output turns on. A red lighting LED indicates the overload of the DMU4. The maximum pressure was exceeded and the value at the LC-Display is not valid in this case. The red LED signals the exceeding of maximum pressure range in positive or negative direction. If the red LED turns on the pressure should be reduced quickly or the DMU4 should be separated from the pressure source. Exceeding of the maximum overpressure (depends on pressure range, see datasheet) may be damage the piezoresistive cell. Manufacturer's guarantee will be lost in this case.

attention !

Don't touch all potentiometers at the rear of the circuit-board because the accuracy will be reduced in this case and the transmitter must be calibrated again by manufacturer.