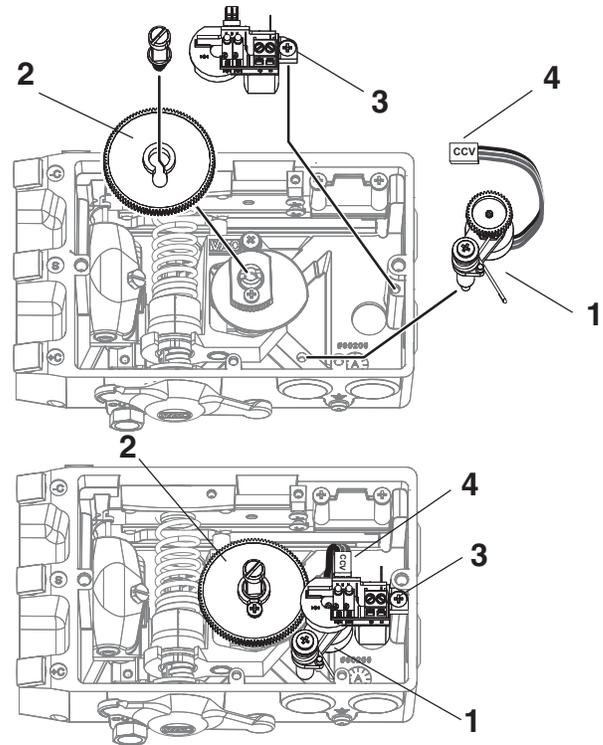




V200 4/20mA Installation

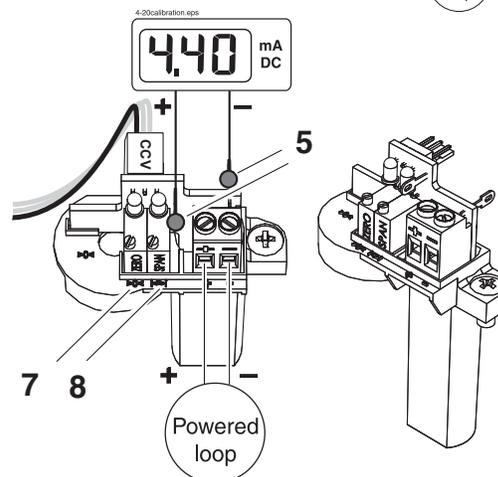
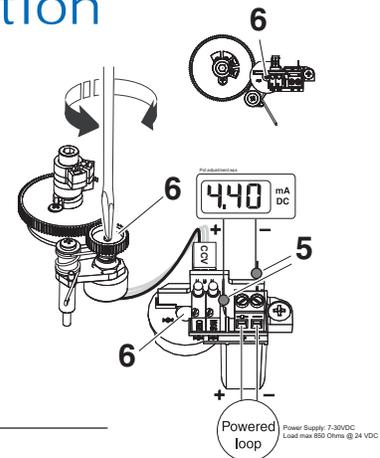
1. Install the potentiometer module(1) in the designed section of the unit as shown. Tighten the screw that secures the pot arm and spring. The pot gearwheel should be aligned and secured to the larger gearwheel(2).
2. Install the 4-20mA transmitter module(3) into the designed position and tighten the respective screws.
3. When used for the 4-20mA feedback, secure the potentiometer connector(4) to the transmitter (3).



V200 4/20mA Calibration

NOTE: Make sure V200E/P has first been properly calibrated!

1. Power up the current loop.
2. Connect a low ohmic ampere meter over the test points(5).
3. Set the valve/actuator to 4mA or the zero position.
4. Turn the feedback potentiometer shaft(6) with a screw driver until you read 3.5 - 4.5 mA on the meter.
5. Adjust the trim potentiometer(7) marked zero so that the meter reads 4mA.
6. Increase the input signal to a full 20mA or 100%.
7. Adjust the trim potentiometer(8) marked span until the meter reads 20mA.
8. Re-check the zero position (4mA) and make fine adjustments if necessary.



A very basic calibration can be accomplished without a meter, using the two LED's. Red LED lights up at 4mA, Green LED lights up at 20mA.



TROUBLE SHOOTING

4/20mA "Reset" and Calibration

If you are unable to properly zero and span the feedback, the potentiometers could be out of factory settings. In order to get back to factory settings please follow the steps 1-8 below.

NOTE: Make sure V200E/P has first been properly calibrated!

1. Turn the ZERO-pot(2) more than 30 turns clockwise.
2. Turn the SPAN-pot(3) more than 30 turns counter clockwise.
3. Turn the FEEDBACK-pot(1) until the lowest steady mA-value is achieved (approx. 12.5mA).
Turn back til 13.0-14.0mA
4. Adjust the ZERO-pot counter clockwise to 4mA.
5. Open the valve.
6. Adjust the SPAN-pot(3) clockwise to 20mA.
7. Close the valve.
8. Repeat (steps 4-7) until the unit is properly set.

