

# Electronic Position Transducer RWG Calibration Instructions



## Scope

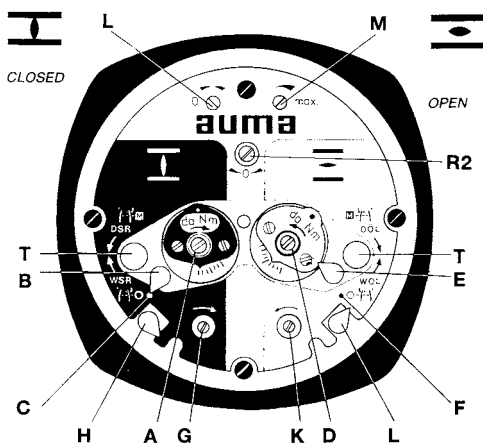
These instructions are for the calibration of the RWG 4-20 mA feedback card located in the actuator.

1. Ensure that the actuator limit switches have been adjusted per the Operation Instructions.
2. Run the actuator to the fully-closed position, and adjust the feedback potentiometer as follows:
  - SA - R2 - Rotate potentiometer clockwise to the full end position.
  - SG - F1 - Rotate potentiometer counter-clockwise to the full end position.

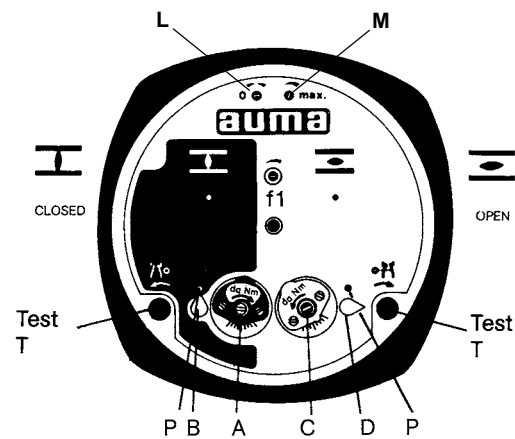
For clockwise-to-open applications, reverse above procedure.

3. Adjust zero potentiometer (L) clockwise until the desired current output for the closed position is obtained (normally 4 ma). Turn potentiometer clockwise to increase current output, counter-clockwise to decrease.
4. Run actuator to the fully open position.
5. Adjust max potentiometer (M) until the desired current output for the open position is obtained (normally 20 ma). Turn potentiometer clockwise to increase current output, counter-clockwise to decrease.
6. Run actuator to the fully-closed position to check the closed position current output.
7. If necessary, re-adjust the zero potentiometer to the value obtained in Step 3 and repeat Steps 4 through 6; otherwise, the procedure is complete.

**Note:** The adjustment of the zero and max potentiometers is an interactive process and may require that the potentiometers are adjusted a number of times.



SA/SG.1



SG

*All information in this document is subject to change without notice.*