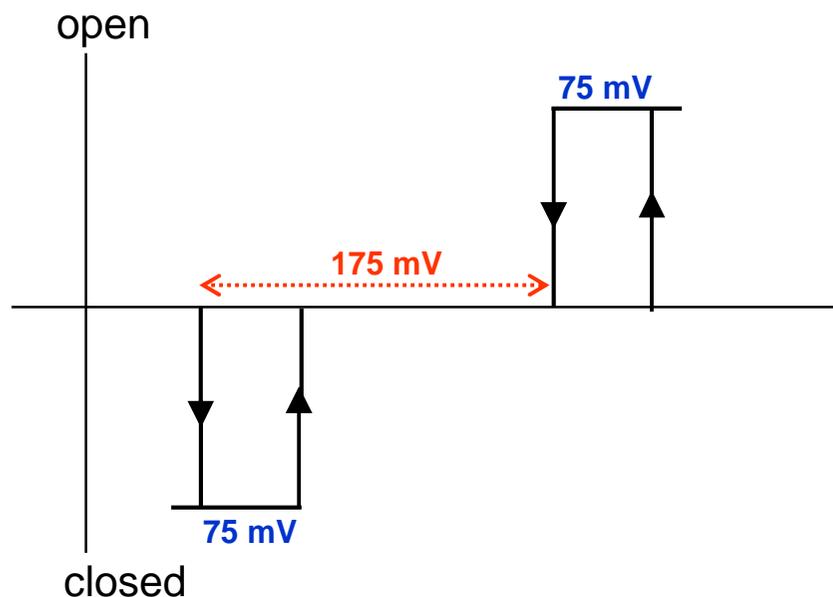


Modulating actuators

Hysteresis and response sensitivity



Reversal hysteresis:

The setpoint at input 3 must be changed back by at least 175 mV (MF/MP-actuators: 200 mV) so that the stationary actuator will start up again in the opposite direction.

Response sensitivity:

The setpoint at input 3 must be changed forward in the same direction by at least 75 mV (MF/MP-actuators: 80 mV) so that the stationary actuator will start up again in the same direction.

Due to the hysteresis behavior of our modulating actuators, the actuator follows even the smallest system deviations in an accurate way (response sensitivity).

Before reversing the direction of rotation, the actuators wait for a considerably greater change in the control signal and thus do not follow every unmotivated oscillating movement (reversal hysteresis).