

[illegible]

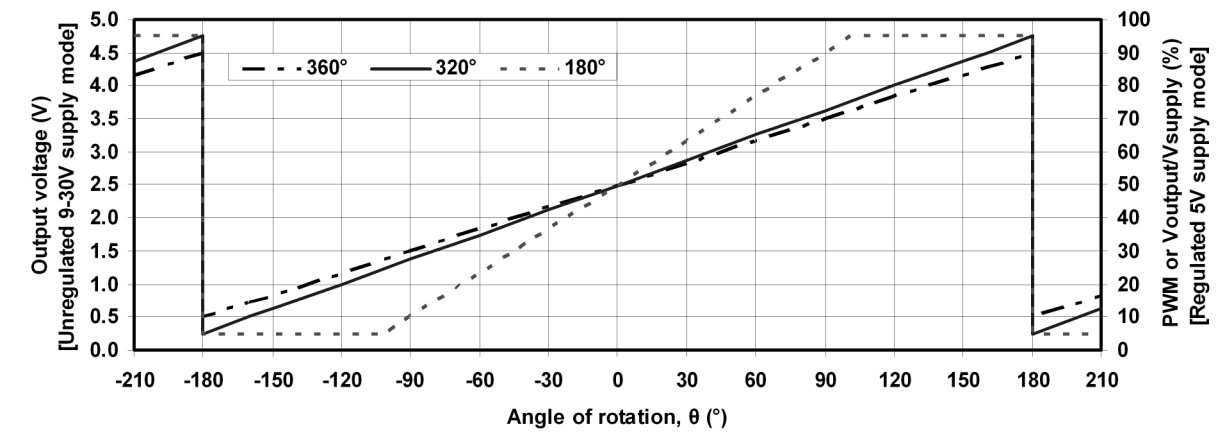
MID POINT OF ELECTRICAL ANGLE

OUTPUT INCREASES FOR ACW UNIT WHEN VIEWED ON SHAFT

OUTPUT INCREASES FOR CW UNIT WHEN VIEWED ON SHAFT



Examples of output laws for 3 different angles



The graph shows the relationship between supply voltage and temperature for the 741 op-amp. The y-axis represents Temperature in degrees Celsius, ranging from 90 to 150. The x-axis represents Supply Voltage in Volts, ranging from 0 to 30. The temperature is constant at 140°C for supply voltages between 4.5V and 5.5V. For supply voltages from 9V to 30V, the temperature decreases linearly from 137°C to 125°C.

Supply Voltage (Volts)	Temperature (°C)
4.5	140
5.5	140
9	137
30	125

FIG 4

t = pulse width
(Increases with shaft direction code)

5V

GND

D = duty cycle = t/T

T = periodic time = $1/f$

ACTUAL MEASURED OUTPUT ANGLE

SENSOR ELECTRICAL ANGLE (FROM ORDERING CODE)

$$= 1.25 \left(\frac{t}{T} - 0.5 \right) \times$$

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