

Startup and Shutdown adjustment

These series have an ultra wide input voltage range, thus they can cover many nominal input voltages in one module. In order to prevent incorrect operation under different input conditions, they offer Under Voltage Lockout (UVLO) adjustment by connecting a resistor between UVLO and –Vin pin.

Connection

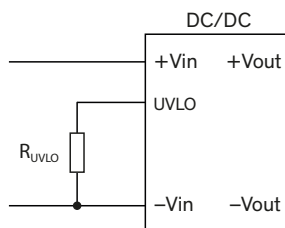


Table for Constants

Model	A	B	C
TEN 30-36xxUIR TEN 40-36xxUIR	14'804	144'000	16'500
TEN 30-72xxUIR TEN 40-72xxUIR	22'330	321'000	24'000

Startup equation

$$V_{Startup} = \left(0.8 + \frac{A \times R_{UVLO}}{A + R_{UVLO}} \times 5 \times 10^{-6}\right) \times \left(1 + B \times \frac{C + R_{UVLO}}{C \times R_{UVLO}}\right)$$

Shutdown equation

$$V_{Shutdown} = 0.785 \times \left(1 + B \times \frac{R_{UVLO} + C}{R_{UVLO} \times C}\right)$$