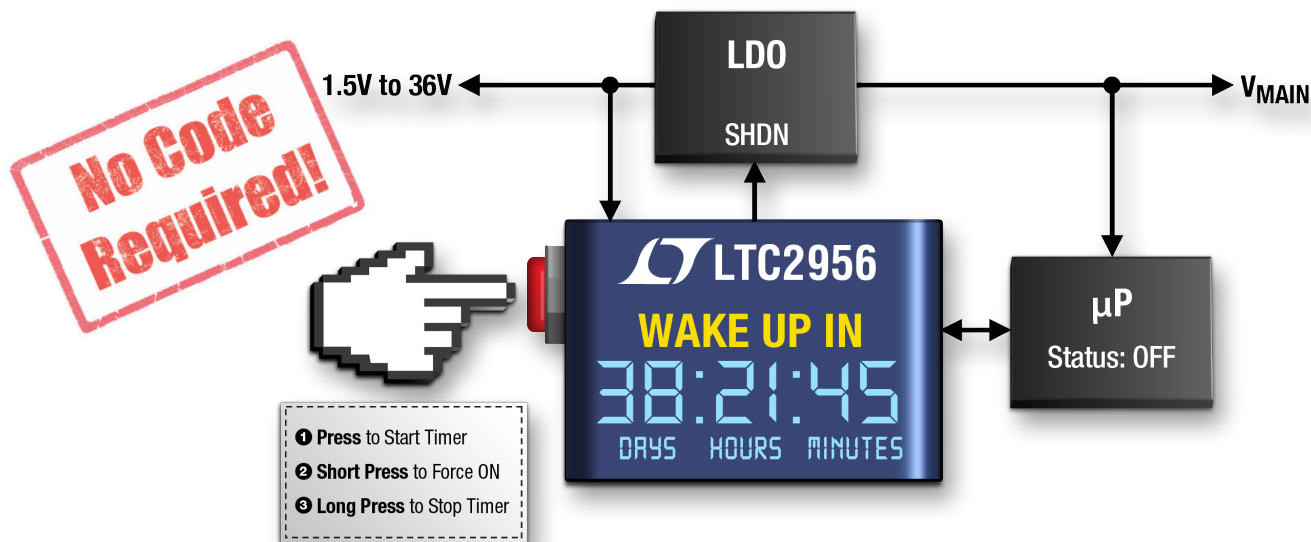


# Configurable Wake-Up Timer with Pushbutton Control



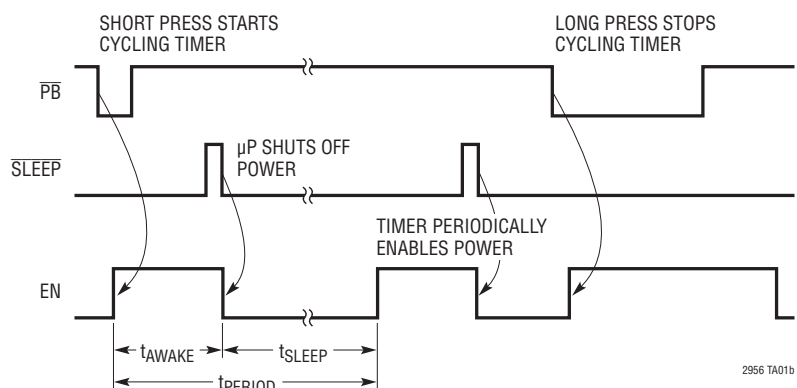
The LTC®2956 Wake-Up Timer provides a periodic on/off signal, waking up a system to perform routine tasks (such as measuring a sensor or capturing images) while keeping it off most of the time to save power. While “sleeping,” the LTC2956 sips only 800nA of quiescent current from a battery or rail.

An optional pushbutton starts the timer, and allows users to override the timer for early wake-up or give a long pushbutton press to stop the timer completely and shut down the entire system. The LTC2956 can also be configured to run automatically without a pushbutton. The wake-up period is resistor-adjustable from 250ms to 39 days, requires no software code and allows easy timer configuration via jumpers or switches.

## Features

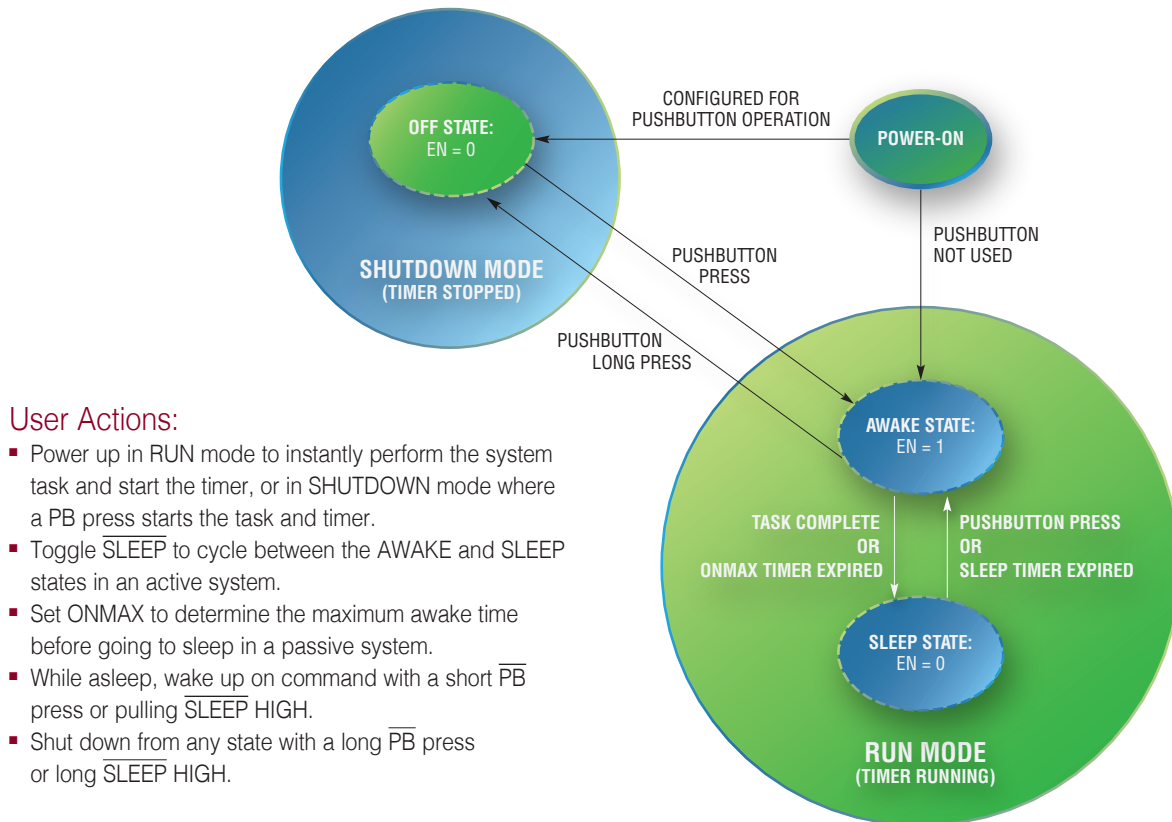
- Wide Input Supply Range: 1.5V to 36V
- Adjustable Wake-up Period: 250ms to 39 days
- 800nA Quiescent Current
- Low Leakage EN Output Allows DC/DC Converter Control (LTC2956-1)
- High Voltage/EN Output Allows Circuit Breaker Control (LTC2956-2)
- Debounced Pushbutton Status Output
- Pushbutton Interrupt
- Adjustable Power Off Timer
- ±25kV ESD HBM on  $\overline{\text{PB}}$  Input
- 12-Lead 3mm x 3mm QFN and MSOP Packages

## LTC2956 Timing Diagram Example



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## Simplified State Diagram



## Code-Free Operation Enables Adjustment of Device Countdown Timers Using Jumpers or Switches

