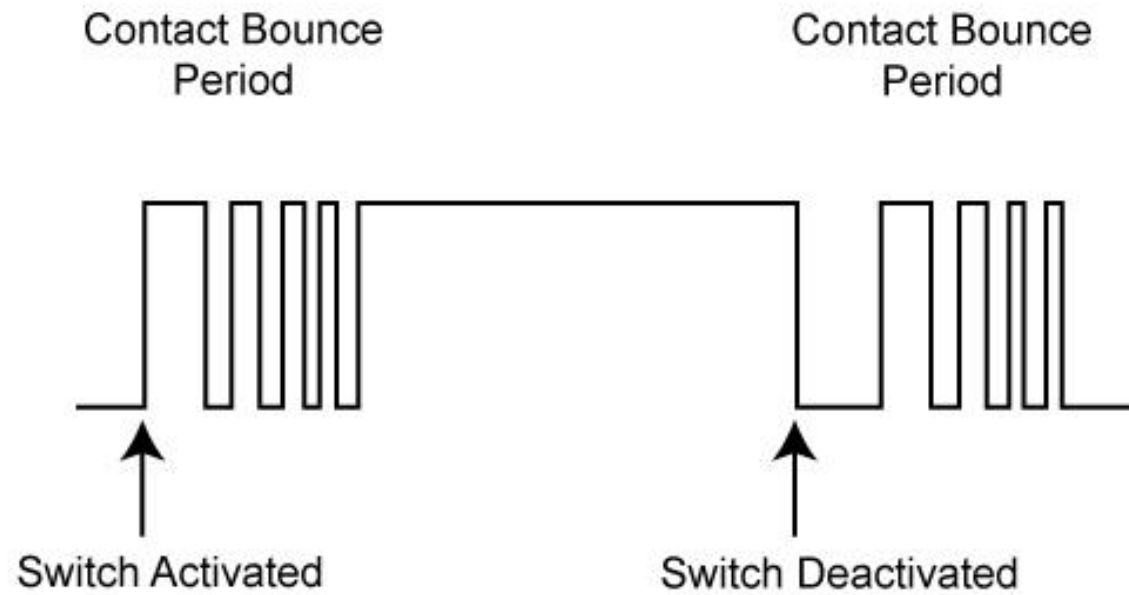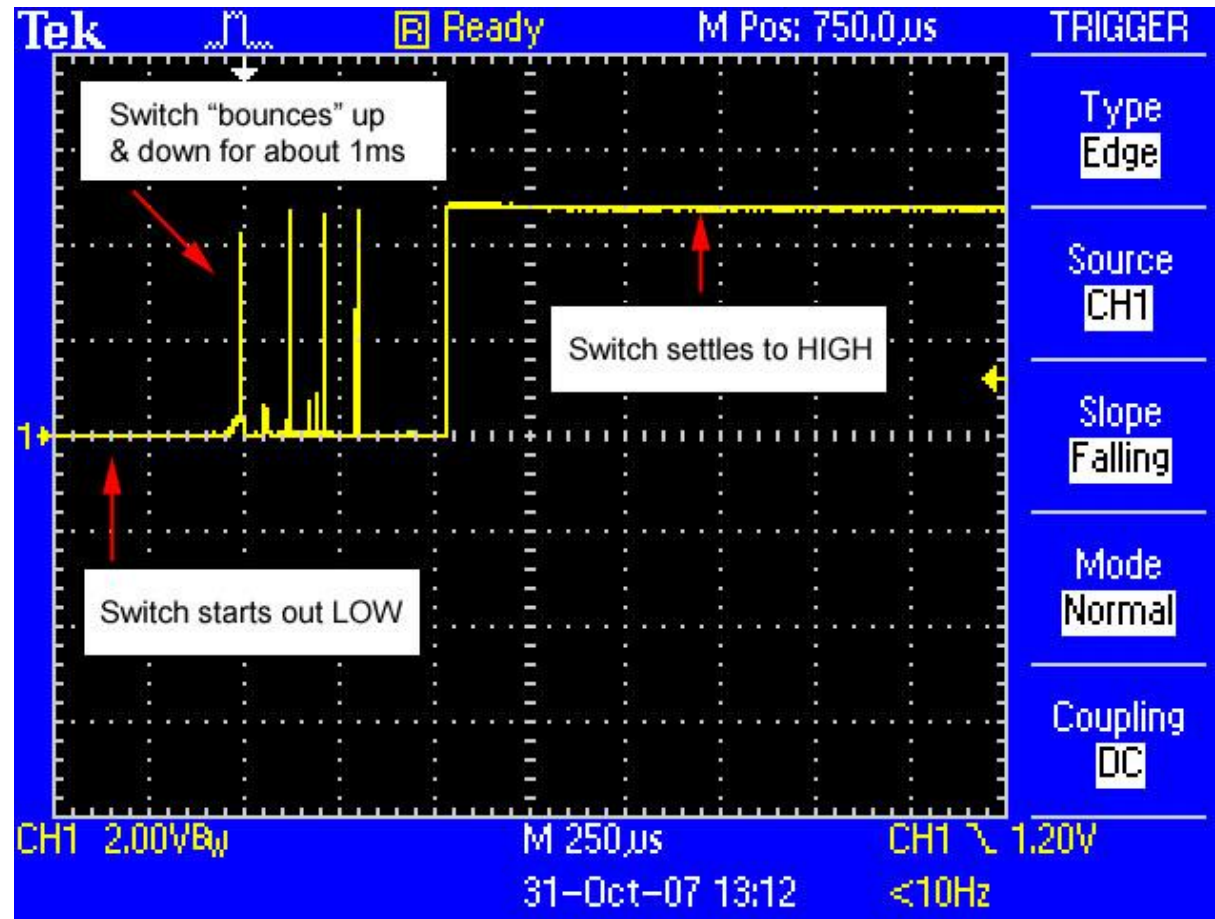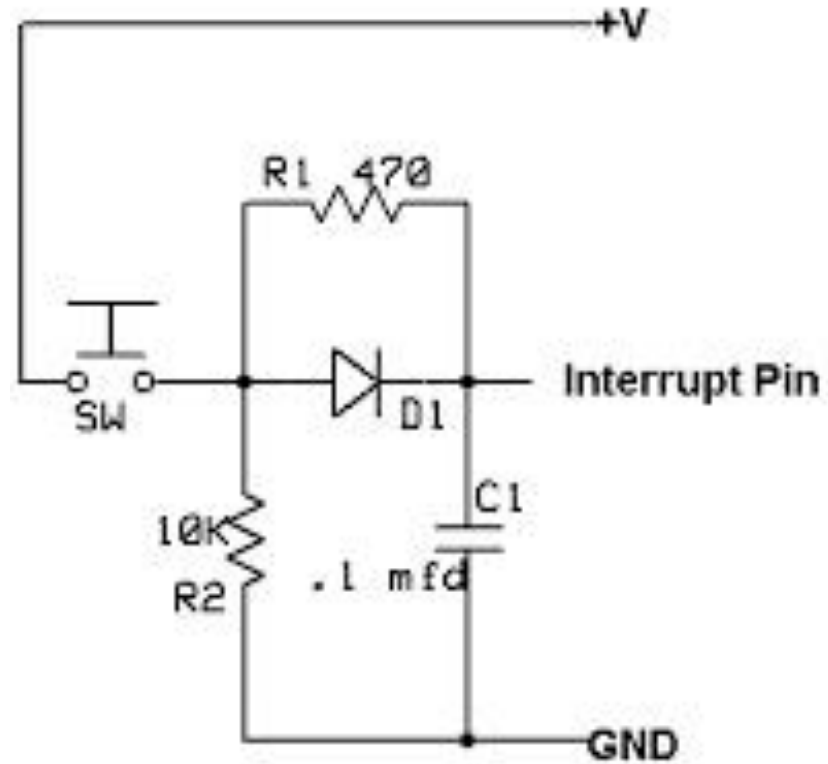# Switch Debouncing

Switch bouncing

Switch bouncing

Switch debouncing circuit

Switch debouncing in software

Setup a counter variable, initialize to zero.

Setup a regular sampling event, perhaps using a timer. Use a period of about 1ms.

On a sample event:
      if switch signal is low then
            Reset the counter variable to zero
            Set internal switch state to released
      else
            Increment the counter variable to a maximum of 10
      end if
      if counter=10 then
            Set internal switch state to pressed
      end if