```
initTimeout = initTimeout - RAMP_DELAY;
      }
    }
  }
 // if no switch is pressed, timeout is cleared and initial timeout is set to initial value.
 else
    switchTimeout = 0;
    initTimeout = INIT_DELAY;
  }
 // when alarm tone is not 0, the alarm is on, decrement alarm tone to change the current tone
played.
 if(alarm tone != 0)
    if((milliseconds - prev_milliseconds) > TONE_TIME)
      prev_milliseconds = milliseconds;
      alarm_tone = ((alarm_tone <= 1) ? 7 : alarm_tone - 1);</pre>
    }
 }
 // move digit selection by one on each millisecond.
 digitSelect = (digitSelect < (1 << 3) ? digitSelect << 1 : 1);</pre>
}
/// @brief Keep track of time in seconds as precisely as possible.
void timer_isr (void) __interrupt (TF1_VECTOR)
{
 // reset timer overflow, though it does this anyways.
 TF1 = 0;
 // reset timer counters start point.
 TH1 = TH1 START;
 TL1 = TL1_START;
 // check if the time set switch is pressed. If so keep seconds at and hold.
 if(!SET_T_SWITCH)
    seconds = 0;
    return;
 // increment seconds on each timer overflow.
 seconds++;
 // once over 59 seconds, increment minutes and reset seconds
 if(seconds > 59)
    gs_timeKeeper.one_minutes++;
    seconds = 0;
  }
 // once over 9 minutes, increment ten minutes and reset minutes
 if(gs_timeKeeper.one_minutes > 9)
    gs_timeKeeper.ten_minutes++;
    gs_timeKeeper.one_minutes = 0;
```