



Notes:

The low-pass IIR filter time-averages the square of the feedback current so it roughly tracks motor temperature and can be used to prevent motor overheating. h_1 is a local static (initialized to zero) which saves the prior value of h_a . Constant "F" (range 0 to +0.999) adjusts the filter.

Values for *thermal cutoff limit* and *F* can be established empirically.